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DRAFT
FACILITY-WIDE GROUNDWATER MONITORING PROGRAM
ANNUAL REPORT FOR 2010

**RAVENNA ARMY AMMUNITION PLANT,
RAVENNA, OHIO**

**MARC Contract Number W912QR-04-D-0036
Delivery Order No. 0006**

Prepared for:

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December 10, 2010

FWGWMP Annual Report (Draft) 2010 Distribution List

<u>Organization</u>	<u>Number of Printed Copies</u>	<u>Number of Electronic Copies</u>
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NGB Cleanup Program Manager	0	1
EQM	1	1

Ohio EPA – Ohio EPA Twinsburg Office
OHARNG – Camp Ravenna/ENV – Ohio Army National Guard Site/Environmental
RVAAP – Ravenna Army Ammunition Plant
USACE – U.S. Army Corps of Engineers
USAEC – U.S. Army Environmental Center
NGB – National Guard Bureau
EQM – Environmental Quality Management, Inc.

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Plate 3	Potentiometric Surface of Bedrock – Homewood and Sharon Aquifer (January 2009)
Plate 4	Potentiometric Map of Sharon Conglomerate Wells

LIST OF GENERAL ACRONYMS

AGS	Above Ground Surface
amsl	Above Mean Sea Level
AOC	Area of Concern
BGS	Below Ground Surface
BTOC	Bottom of Casing
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
DOD	Department of Defense
EPA	Environmental Protection Agency
EQM	Environmental Quality Management, Inc.
°F	Degrees Fahrenheit
FWGWMP	Facility-wide Groundwater Monitoring Program
FWSAP	Facility-wide Sampling and Analysis Plan
GOCO	Government Owned, Contractor Operated
IRP	Installation Restoration Program
LCS	Laboratory Control Sample
LCG	Louisville Chemistry Guidelines
IDW	Investigation Derived Waste
µg/L	microgram per Liter
MARC	Multiple Award Remediation Contract
MCL	Maximum Contaminant Level
mw	Monitoring Well
NOAA	National Oceanographic and Atmospheric Administration
OHARNG	Ohio Army National Guard
PCB	Polychlorinated Biphenyl
PQLs	Practical Quantitation Limits
PRGs	Preliminary Remediation Goals
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigations
RL	Reporting Limits
RTLS	Ravenna Training and Logistics Site
RVAAP	Ravenna Army Ammunition Plant
SCF	Sharon Conglomerate Formation
SVOC	Semi-volatile Organic Compound
TA	TestAmerica
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USP&FO	United States Property and Fiscal Officer
VOC	Volatile organic compound

LIST OF AREA OF CONCERN ACRONYMS

1		
2		
3	B12	Building 1200
4	BKG	Background
5	CBL	C-Block
6	CBP	Central Burn Pits
7	CP	Cobbs Pond
8	DA2	Demolition Area #2
9	EBG	Erie Burning Grounds
10	FBQ	Fuze and Booster Quarry
11	LNW	Landfill North of Winklepeck
12	LL	Load Line
13	MBS	Mustard Burial Site
14	NACA	National Advisory Committee for Aeronautics
15	NTA	NACA Test Area
16	RQL	Ramsdell Quarry Landfill
17	WBG	Winklepeck Burning Grounds
18		

SECTION 1

INTRODUCTION

1.1 Facility Description

Past Department of Defense (DOD) activities at the Ravenna Army Ammunition Plant (RVAAP) date to 1940 and include the manufacturing, loading, handling and storage of military explosives and ammunition. Until 1999, the RVAAP was identified as a 21,419-acre installation. The property boundary was resurveyed by the Ohio Army National Guard (OHARNG) over a two year period from 2002 and 2003 and the actual total acreage of the property was found to be 21,683.289 acres. As of February 2006, a total of 20,403 acres of the former 21,683 acre RVAAP have been transferred to the United States Property and Fiscal Officer (USP&FO) for Ohio for use by the OHARNG as a military training site. The current RVAAP consists of 1,280 acres in several distinct parcels scattered throughout the confines of the OHARNG Camp Ravenna Joint Military Training Center (Camp Ravenna). The RVAAP and Camp Ravenna are collocated on contiguous parcels of property and Camp Ravenna perimeter fence completely encloses the remaining parcels of the RVAAP. Camp Ravenna is in northeastern Ohio within Portage and Trumbull Counties, approximately 4.8 kilometers (3 miles) east-northeast of the city of Ravenna and approximately 1.6 kilometers (1 mile) northwest of the city of Newton Falls (Figure 1-1). The RVAAP portions of the property are solely located within Portage County. Camp Ravenna (inclusive of the RVAAP) is a parcel of property approximately 17.7 kilometers (11 miles) long and 5.6 kilometers (3.5 miles) wide bounded by State Route 5, the Michael J. Kirwan Reservoir, and the CSX System Railroad on the south; Garret, McCormick, and Berry roads on the west; the Norfolk Southern Railroad on the north; and State Route 534 on the east (see Figures 1-1 and 1-2). Camp Ravenna is surrounded by several communities: Windham on the north; Garrettsville 9.6 kilometers (6 miles) to the northwest; Newton Falls 1.6 kilometers (1 mile) to the southeast; Charlestown to the southwest; and Wayland 4.8 kilometers (3 miles) to the south. When the RVAAP was operational Camp Ravenna did not exist and the entire 21,683-acre parcel was a government-owned, contractor-operated (GOCO) industrial facility. The RVAAP Installation Restoration Program (IRP) encompasses investigation and cleanup of past activities over the entire 21,683 acres of the former RVAAP and therefore references to the RVAAP in this document are considered to be inclusive of the historical extent of the RVAAP, which is inclusive of the combined acreages of the current Camp Ravenna and RVAAP, unless otherwise specifically stated.

1.2 Project Description

In 2004 the U.S. Army and the Ohio EPA finalized the Facility-Wide Groundwater Monitoring Program (FWGWMP) Plan which details the requirements of the program. The FWGWMP was initiated in 2005 with three consecutive quarters of FWGWMP well sampling. Quarterly sampling has continued through the current monitoring event (October 2010).

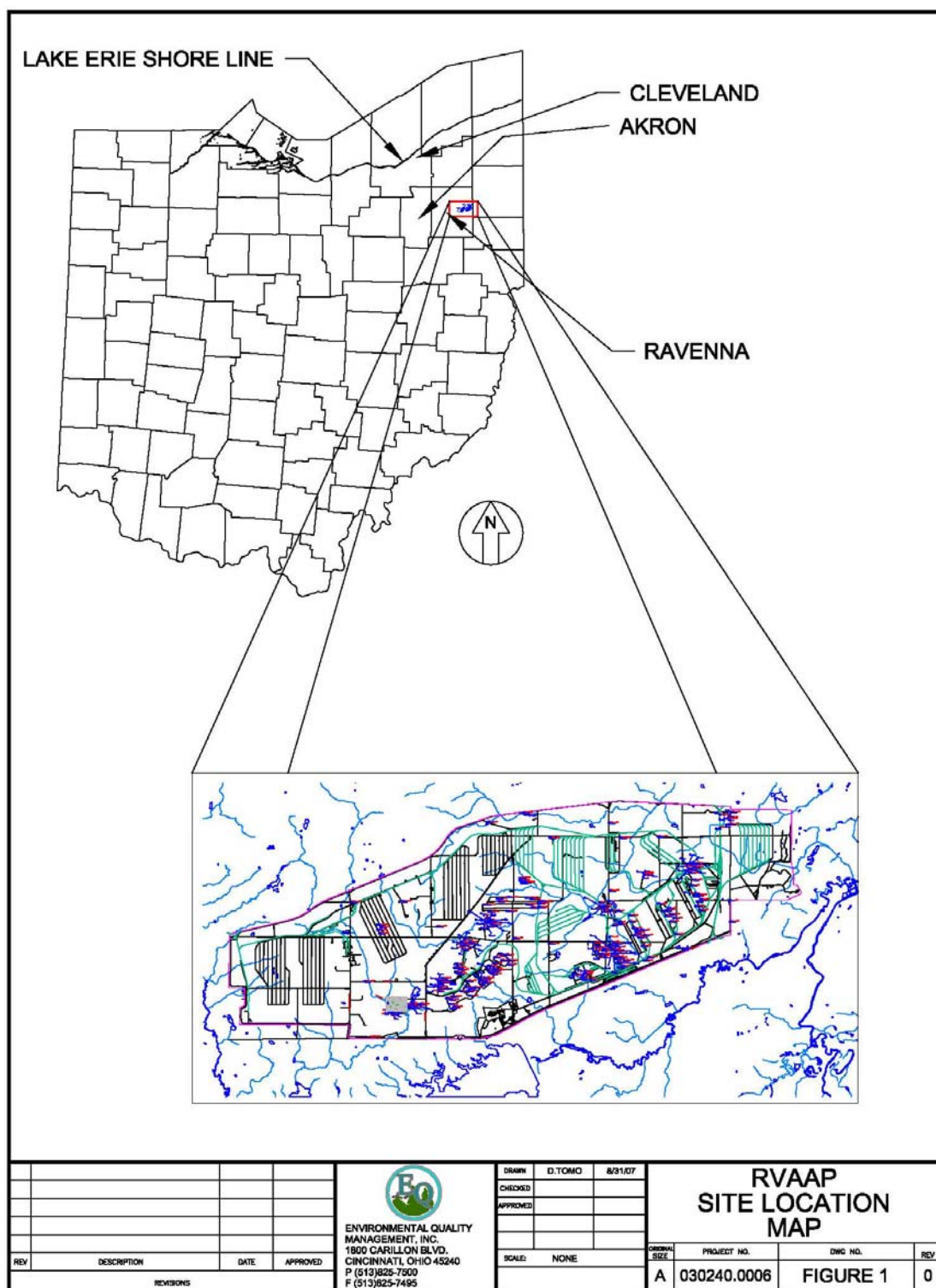
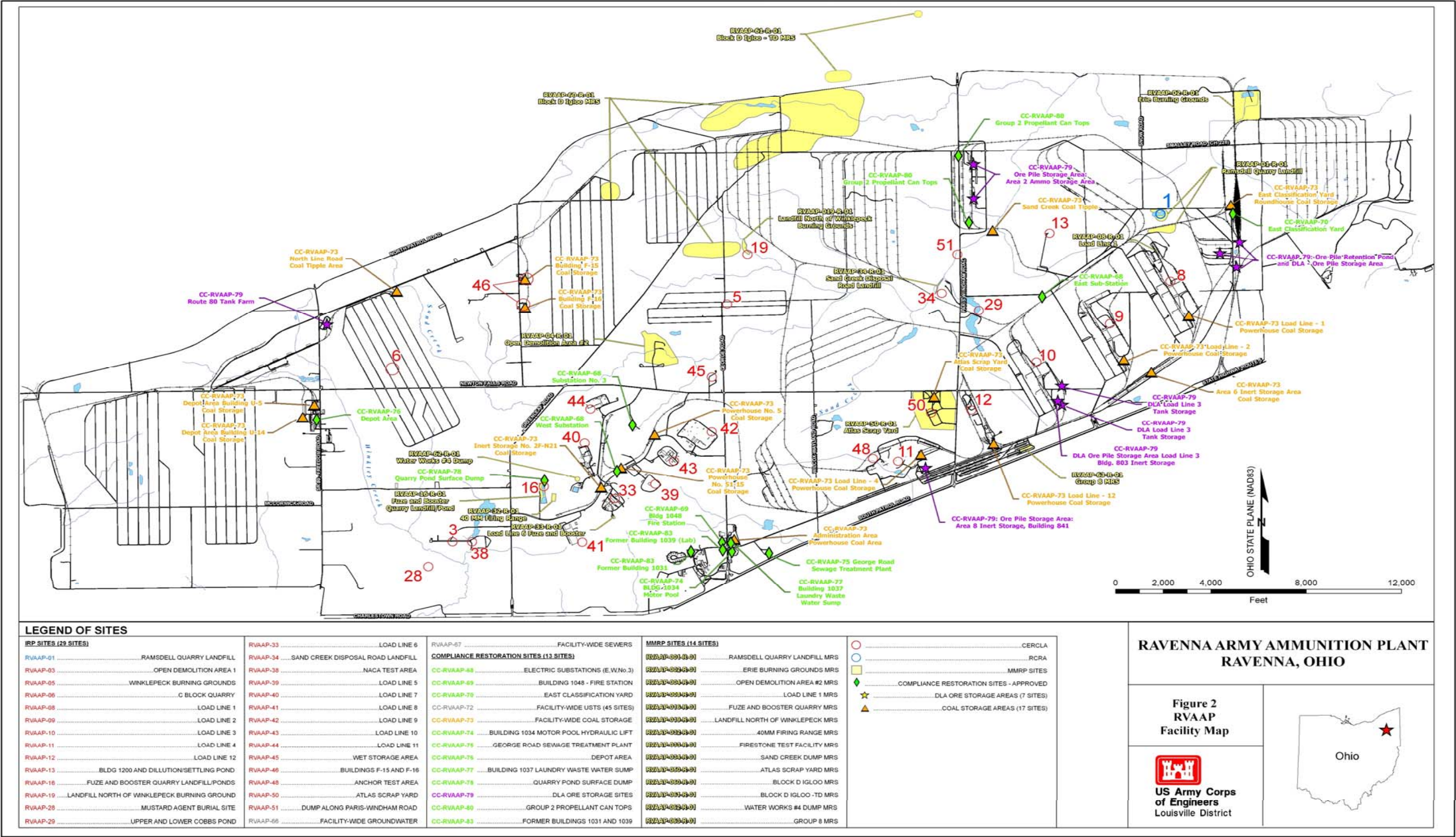


Figure 1-1 General Location Map



1
2 **Figure 1-2 RVAAP Facility Map**

The initial FWGWMP wells identified for monitoring were sampled once every quarter, with the exception of the 5 Resource Conservation and Recovery Act (RCRA) wells that include Ramsdell Quarry Landfill (RQL) wells RQLmw-007, -008, and -009, and two Demolition (DA) Area 2 wells, DA2mw-DETMw-003 and DETmw-004. The RQL and DA2 wells are sampled twice a year.

Details of the program design and requirements are contained in the *RVAAP Facility-Wide Groundwater Monitoring Program Plan*, Portage Environmental, September 2004. This document contains the Facility-Wide Sampling and Analysis Plan (FWSAP), Site Safety and Health Plan, and Quality Assurance Project Plan addenda that pertain to the proposed work. Additional details pertaining to performance of field and laboratory activities are contained in the *RVAAP Facility-Wide Sampling and Analysis Plan/Quality Assurance Project Plan (FWSAP)*, SAIC, March 2001. As detailed in the FWGWMP, the initial monitoring program consisted of the sampling of 36 wells specified in Table 4-1 of the FWGWMP. Fourteen of these wells were “Background Wells”; the remainder were wells situated at various Areas of Concern (AOCs) at RVAAP. The first sampling event for this project was conducted in April 2005. The final assessment monitoring event for the initial well sampling and analysis was completed in October 2007. The current monitoring schedule and list of wells is presented in Section 1.5.

1.2.1 Annual Report

By agreement with the U.S. Army and the Ohio EPA and in accordance with Amendment No. 1 to the FWGWMP Plan, the Annual Report for 2010 summarizes the October 2009, as well as the January and July, 2010 sampling events. Note that the April 2010 event was not conducted. Per agreement between the Army and the Ohio EPA the April event was suspended while the new sampling and analysis schedule for 2010-2011 was finalized. Correspondence documenting this agreement, as well as the well sampling schedule, are presented in Appendix A.

Amendment No. 1 changed the annual reporting period from 1 January – 31 December to 1 October – 30 September. The change to the program was made so that the Annual Report for 2006 would include monitoring activities performed in the 4th quarter of 2005, and the 1st, 2nd, and 3rd quarters of 2006. Subsequent annual monitoring periods would also follow this pattern, such as the 2007 annual report, which covers the fourth quarter of 2006 and the first, second, and third quarters of 2007. This change was made because it was discovered that requiring the 4th quarter data to be included in the current years’ Annual Report did not allow sufficient time to collect samples, analyze samples, verify and validate data, assess results and still make the December deadline (Milestone date) for including these results in the Annual Report.

The results of the sampling events covered under this Annual Report are presented in the following documents:

- *Facility- Wide Groundwater Monitoring Program, Report on the October 2009 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio* dated April 19, 2010.
- *Facility- Wide Groundwater Monitoring Program, Report on the January 2010 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio* dated July 6, 2010.
- *Facility- Wide Groundwater Monitoring Program, Report on the July 2010 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio* dated October 25, 2010.

The results for the October 2010 sampling event will be submitted in a separate document and will be summarized in the Annual Report for 2011.

1.3 Summary of the Scope of Work for 2009-10

Environmental Quality Management, Inc. (EQM) was contracted (MARC Contract Number W912QR-04-D-0036) by the U.S. Army Corps of Engineers, Louisville District (USACE) to conduct the 2007 FWGWMP monitoring program beginning in April 2007. The objective of this project is to continue quarterly monitoring under the RVAAP Facility-wide Groundwater Monitoring Program. The following tasks were performed in accordance with specifications contained in the FWGWMP Plan, the FWSAP, and the Scope of Work written by the USACE:

- Performed groundwater sampling of select wells for three quarters. The wells sampled are identified in Section 1.5.1 of this report. The wells were sampled by EQM. The RCRA wells at Ramsdell Quarry (RQLmw-007, RQLmw-008, and RQLmw-009), and Demolition Area 2 wells (DET-3 and DET-4) were also sampled during this timeframe.
- Water-level measurements from the 237 RVAAP monitoring wells were measured immediately prior to the January 2010 sampling event which were used to generate updated potentiometric maps. The next scheduled water level measurement event for all wells is October 2010 which will be reported in the 2011 Annual Report.
- Performed laboratory analyses and data validation for the collected samples.
- Reduced quarterly data and preparation of individual sampling event reports.
- Prepared the requisite Investigation Derived Waste (IDW) characterization, and disposal report.
- Prepared the 2010 Annual Report, including the overall program review requirement.

- Performed maintenance on selected groundwater monitoring wells.

1.4 Annual Report Requirements and Report Presentation

This report presents the FWGWMP 2010 Annual Report. The report is structured in the following way:

- Section 1 – Introduction
- Section 2 – Summary of Monitoring Wells Installed or Abandoned in 2010
- Section 3 – Summary of Annual FWGWMP Events
- Section 4 – Summary and Assessment of Annual FWGWMP Analytical Results
- Section 5 – FWGWMP Annual Recommendations/Review
- Section 6 – References

The appendices contain the following items:

- Appendix A – Correspondence Documenting the Change in Wells to be Sampled
- Appendix B – List of Wells Sampled
- Appendix C – Water Level Measurement Field Sheets
- Appendix D – Well Inspection Sheets
- Appendix E – Time-Trend Graphs
- Appendix F – Maps of FWGWMP Study Areas
- Appendix G - Reporting Limits that Currently Do Not Meet the RVAAP QAPP Practical Quantitation Limits (PQLs) and/or Region 9 Preliminary Remediation Goals (PRGs)

The following lists the information required for the annual report as detailed in Section 5.2 of the FWGWMP Plan, as well as where this information is presented in this report:

- An evaluation of the current groundwater flow direction(s) based on water-level elevation data collected in January 2010 is discussed in Section 3.1.
- An evaluation of the trends of contamination detected in groundwater, as well as an assessment of the effectiveness of any groundwater remediation activities is presented in Section 4.0.
- The plots of concentration trends are presented in Appendix E, and are discussed in Section 4.0
- The facility map is presented in Section 1.0. The monitoring well network map and groundwater flow maps are presented in Plates 1, 2, 3, and 4. Additional FWGWMP monitoring well locations are shown in Appendix F.

- The results of the monitoring well inspections are presented in Appendix D and summarized in Section 3.2.
- FWGWMP annual recommendations and review are presented in Section 5.0.

1.5 Changes to the FWGWMP in 2010

The following changes were made to the FWGWMP during sampling and analysis for the 2010 reporting period.

1.5.1 Changes to Wells Being Monitored

On October 22, 2007 the United State Army Corps of Engineers (USACE) submitted to the Ohio Environmental Protection Agency (EPA) the *Draft Proposal to Update the Facility-Wide Ground Water Monitoring Program* (USACE October 2007) at the Ravenna Army Ammunition Plant. This proposal presented recommendations for modifications to the FWGWMP, the Director's Final Findings and Orders, and the Conceptual Plan in Appendix F of the Findings and Orders as presented below.

Section 3.1.2.2 of the FWGWMP Plan establishes a protocol for adding and removing wells from the FWGWMP: "Future wells installed as part of individual AOC investigations conducted under the ongoing Comprehensive Environmental Response Compensation and Liability Act (CERCLA) process at RVAAP will be evaluated for incorporation into the FWGWMP upon completion of at least four quarterly groundwater sampling events to be conducted as part of the Remedial Investigation (RI) phase at each AOC. The frequency of the initial sampling events may be other than quarterly if agreed upon by the Army and Ohio EPA". Based on this protocol the USACE notified the Ohio EPA on December 12, 2007 that the wells to be sampled would be changed effective with the January 2008 monitoring event. The Ohio EPA provided concurrence with this change in an email dated January 8, 2008. The Ohio EPA was notified of an additional change on February 27, 2008 increasing the number of wells to be sampled for the April 2008 event. The Ohio EPA was notified on March 21, 2008 that the number of FWGWMP wells to be sampled in April 2008 (and the July 2008, October 2008, and January 2009 events) would be increased to 132 plus the 5 RCRA wells sampled semi-annually (in order to complete 4 quarters of sampling for each of the 132 wells).

Beginning with the April 2009 sampling event the remaining wells on the list contained in the *Draft Proposal to Update the Facility-Wide Ground Water Monitoring Program* (USACE October 2007) were sampled. This sampling was completed with the January 2010 monitoring event.

A revised list of wells to be sampled during 2010-2011 was submitted to the Ohio EPA in early 2010. The lists of wells to be sampled, as well as scheduling issues were discussed with the Ohio EPA in a telephone conference verified in a subsequent email on 26 May

1 2010. A copy of the email and the well sampling schedule for 2010-2011 is presented in
2 Appendix A.

3
4 The lists of FWGWMP wells monitored for each of the three quarters (October 2009,
5 January 2010, and July 2010) are presented in Appendix B.

6
7 No other changes to the FWGWMP were implemented during the 2009-10 reporting
8 period.

9
10
11 **1.6 Changes to the FWGWMP for 2011**

12
13 The existing well monitoring schedule as presented in Appendix A will be followed
14 going into 2011 through the April 2011 monitoring event. A meeting between the
15 USACE and RVAAP stakeholders was held on December 1-2, 2010 to present a revised
16 groundwater monitoring well schedule for future groundwater monitoring at the facility.
17 The proposed monitoring program includes a discussion of schedule, frequency, wells to
18 be sampled, and constituents to be monitored. The proposed groundwater monitoring
19 well schedule is currently subject to Ohio EPA review and approval.

SECTION 2

SUMMARY OF WELLS INSTALLED OR ABANDONED IN 2010

No FWGWMP wells were installed or abandoned during the 2010 reporting period

SECTION 3

SUMMARY OF 2009-10 FWGWMP EVENTS

3.1 Groundwater Elevation Monitoring

Groundwater elevations were measured at all 237 RVAAP monitoring wells between January 18 and 20, 2010. The locations of monitoring wells at RVAAP are shown on Plate 1. The water level measurement field sheets are presented in Appendix C. Additionally, groundwater elevation measurements are also collected each time a groundwater sample is collected as part of the FWGWMP, although those measurements from the quarterly sampling events are not used to produce the potentiometric maps.

Water-level measurements were measured in accordance with procedures in Section 4.3.3.1 of the RVAAP Facility-Wide Sampling and Analysis Plan (SAIC, 2001). Water-level measurements were made from the top of the inner casing to the top of the groundwater surface using an electronic measuring tape. The depth to the bottom of the well from the top of the inner casing also was measured with the electronic measuring tape. Depth-to-water and groundwater elevations for the RVAAP wells are presented in Table 3-1. Well construction details and depth to well bottom are presented in Table 3-2. Note that on Table 3-2 the well at LL1mw-085 indicates that there was a possible obstruction in the well resulting in a well depth measurement of 40.06 feet as compared to the reported bottom depth of 44.70 feet. Subsequent to the well measurement it was determined that there was a bailer in the well. The well depth was re-measured during 2010 and determined to be 45.19 feet.

Each monitoring well was inspected at the time of water-level measurement and the results are discussed in Section 3.2. The monitoring well inspection sheets are presented in Appendix D.

The potentiometric maps created from groundwater measurements from all RVAAP monitoring wells in January 2010 are presented on Plates 2, 3, and 4. The potentiometric maps were generated from the January 2010 water level measurements taken from all 237 facility wells and the six deep Sharon Conglomerate wells. Additionally, the groundwater elevations from the new Sharon Conglomerate wells were evaluated and determined not to be representative of either the Homewood aquifer or the upper portion of the Sharon aquifer. These wells were installed with their screened intervals positioned at the basal portion of the Sharon Conglomerate sandstone. Therefore the groundwater elevations collected from these wells were used to determine the potentiometric contours for a separate map (Plate 4) as described below.

Plate 2 represents facility-wide groundwater flow in wells completed into the unconsolidated aquifer. The unconsolidated aquifer includes glacial till, glacial outwash, alluvium, and soil. Plate 2 illustrates that the potentiometric surface (i.e., water table) of the unconsolidated aquifer is a subdued expression of the surface topography of the RVAAP. Groundwater potentiometric elevation decreases approximately 207 ft from

RVAAP Facility-Wide Groundwater Monitoring Program 2010 Annual Report

Table 3-1. Depth to Water and Potentiometric Elevation (January 2010)

RVAAP Area	Well ID	Monitored Zone	TOC Elevation (ft, amsl)	January 2010 Depth to Water (ft, BTOC)	Potentiometric Elevation January 2010 (ft, amsl)
Background	BKGmw-004	Unconsolidated	967.66	14.70	952.96
	BKGmw-005	Unconsolidated	1151.94	11.52	1140.42
	BKGmw-006	Sharon	1028.88	24.43	1004.45
	BKGmw-008	Sharon	972.90	19.34	953.56
	BKGmw-010	Sharon	1006.18	15.55	990.63
	BKGmw-012	Sharon	1000.07	8.80	991.27
	BKGmw-013	Unconsolidated	989.09	12.64	976.45
	BKGmw-015	Sharon	1040.40	49.25	991.15
	BKGmw-016	Unconsolidated	1100.92	4.02	1096.90
	BKGmw-017	Unconsolidated	1135.30	16.56	1118.74
	BKGmw-018	Sharon	1045.56	21.62	1023.94
	BKGmw-019	Unconsolidated	1110.74	7.85	1102.89
	BKGmw-020	Unconsolidated	1067.50	20.14	1047.36
	BKGmw-021	Unconsolidated	974.66	17.38	957.28
Load Line 1	LL1mw-063	Sharon	994.84	30.06	964.78
	LL1mw-064	Unconsolidated	935.10	3.14	931.96
	LL1mw-065	Unconsolidated	944.41	13.26	931.15
	LL1mw-067	Sharon	980.36	22.35	958.01
	LL1mw-078	Sharon	995.84	35.83	960.01
	LL1mw-079	Sharon	997.87	36.19	961.68
	LL1mw-080	Sharon	996.27	12.71	983.56
	LL1mw-081	Sharon	998.92	33.66	965.26
	LL1mw-082	Sharon	1006.45	36.77	969.68
	LL1mw-083	Sharon	995.20	36.97	958.23
	LL1mw-084	Sharon	998.73	32.56	966.17
	LL1mw-085	Sharon	996.84	38.40	958.44
Load Line 2	LL2mw-059	Sharon	966.67	15.16	951.51
	LL2mw-060	Sharon	961.57	11.31	950.26
	LL2mw-261	Sharon	1011.40	7.04	1004.36
	LL2mw-262	Sharon	1012.62	9.63	1002.99
	LL2mw-263	Sharon	1011.47	8.52	1002.95
	LL2mw-264	Sharon	1011.88	6.81	1005.07
	LL2mw-265	Sharon	961.24	11.30	949.94
	LL2mw-266	Sharon	1016.28	12.44	1003.84
	LL2mw-267	Sharon	1014.81	9.59	1005.22
	LL2mw-268	Sharon	1017.28	14.70	1002.58
	LL2mw-269	Sharon	1011.62	16.89	994.73
	LL2mw-270	Sharon	1010.18	7.95	1002.23
Load Line 3	LL3mw-232	Sharon	1000.41	23.06	977.35
	LL3mw-233	Sharon	1004.36	27.77	976.59
	LL3mw-234	Sharon	1006.56	9.87	996.69
	LL3mw-235	Sharon	1009.94	20.05	989.89
	LL3mw-236	Sharon	1011.17	18.72	992.45
	LL3mw-237	Sharon	1005.57	17.09	988.48
	LL3mw-238	Sharon	1006.91	15.34	991.57
	LL3mw-239	Sharon	1003.50	26.61	976.89
	LL3mw-240	Sharon	1007.52	28.81	978.71
	LL3mw-241	Sharon	994.65	10.31	984.34
	LL3mw-242	Sharon	999.32	17.53	981.79
	LL3mw-243	Sharon	991.16	16.83	974.33

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Table 3-1. Depth to Water and Potentiometric Elevation (January 2010)

RVAAP Area	Well ID	Monitored Zone	TOC Elevation (ft, amsl)	January 2010 Depth to Water (ft, BTOC)	Potentiometric Elevation January 2010 (ft, amsl)
Load Line 4	LL4mw-193	Unconsolidated	982.92	6.42	976.50
	LL4mw-194	Unconsolidated	983.76	8.22	975.54
	LL4mw-195	Unconsolidated	982.59	11.15	971.44
	LL4mw-196	Unconsolidated	984.55	13.57	970.98
	LL4mw-197	Unconsolidated	985.46	14.86	970.60
	LL4mw-198	Unconsolidated	983.42	9.82	973.60
	LL4mw-199	Unconsolidated	977.28	8.13	969.15
Load Line 5	LL4mw-200	Unconsolidated	987.93	18.81	969.12
	LL5mw-001	Homewood	1127.92	20.50	1107.42
	LL5mw-002	Homewood	1128.68	21.33	1107.35
	LL5mw-003	Unconsolidated	1127.70	20.32	1107.38
	LL5mw-004	Homewood	1125.81	18.33	1107.48
	LL5mw-005	Homewood	1129.42	22.03	1107.39
Load Line 6	LL5mw-006	Homewood	1128.00	20.61	1107.39
	LL6mw-001	Unconsolidated	1124.16	13.84	1110.32
	LL6mw-002	Unconsolidated	1129.36	21.25	1108.11
	LL6mw-003	Homewood	1125.38	16.89	1108.49
	LL6mw-004	Homewood	1125.39	17.48	1107.91
	LL6mw-005	Homewood	1120.47	12.25	1108.22
	LL6mw-006	Unconsolidated	1124.37	15.70	1108.67
Load Line 7	LL6mw-007	Homewood	1115.62	5.99	1109.63
	LL7mw-001	Homewood	1129.64	21.28	1108.36
	LL7mw-002	Homewood	1129.55	17.09	1112.46
	LL7mw-003	Homewood	1120.84	12.01	1108.83
	LL7mw-004	Homewood	1126.32	15.39	1110.93
	LL7mw-005	Homewood	1135.87	22.48	1113.39
Load Line 8	LL7mw-006	Homewood	1123.56	10.50	1113.06
	LL8mw-001	Unconsolidated	1121.46	11.99	1109.47
	LL8mw-002	Unconsolidated	1124.51	18.62	1105.89
	LL8mw-003	Unconsolidated	1119.05	13.09	1105.96
	LL8mw-004	Unconsolidated	1115.75	11.29	1104.46
	LL8mw-005	Homewood	1115.73	13.74	1101.99
Load Line 9	LL8mw-006	Homewood	1117.17	10.48	1106.69
	LL9mw-001	Homewood	1134.62	15.78	1118.84
	LL9mw-002	Homewood	1127.30	10.83	1116.47
	LL9mw-003	Homewood	1135.76	11.61	1124.15
	LL9mw-004	Homewood	1131.83	21.75	1110.08
	LL9mw-005	Homewood	1130.93	16.13	1114.80
Load Line 10	LL9mw-006	Homewood	1129.88	19.36	1110.52
	LL9mw-007	Homewood	1119.99	9.63	1110.36
	LL10mw-001	Homewood	1132.77	25.63	1107.14
	LL10mw-002	Homewood	1127.13	18.30	1108.83
	LL10mw-003	Homewood	1130.28	20.99	1109.29
	LL10mw-004	Homewood	1122.39	13.98	1108.41
Load Line 10	LL10mw-005	Homewood	1125.67	16.39	1109.28
	LL10mw-006	Unconsolidated	1123.83	12.78	1111.05

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Table 3-1. Depth to Water and Potentiometric Elevation (January 2010)

RVAAP Area	Well ID	Monitored Zone	TOC Elevation (ft, amsl)	January 2010 Depth to Water (ft, BTOC)	Potentiometric Elevation January 2010 (ft, amsl)
Load Line 11	LL11mw-001	Unconsolidated	1100.16	8.43	1091.73
	L L11mw-002	Unconsolidated	1080.00	0.72	1079.28
	LL11mw-003	Unconsolidated	1088.48	0.08	1088.40
	LL11mw-004	Unconsolidated	1084.72	0.08	1084.64
	LL11mw-005	Unconsolidated	1079.40	6.78	1072.62
	LL11mw-006	Unconsolidated	1086.50	2.88	1083.62
	LL11mw-007	Unconsolidated	1082.00	13.60	1068.40
	LL11mw-008	Unconsolidated	1087.74	0.08	1087.66
	LL11mw-009	Unconsolidated	1091.54	2.10	1089.44
	LL11mw-010	Unconsolidated	1082.68	3.53	1079.15
Load Line 12	LL12mw-088	Unconsolidated	981.06	7.77	973.29
	LL12mw-107	Unconsolidated	980.15	10.51	969.64
	LL12mw-113	Sharon Shale	980.18	5.34	974.84
	LL12mw-128	Unconsolidated	978.24	11.89	966.35
	LL12mw-153	Unconsolidated	977.85	6.68	971.17
	LL12mw-154	Unconsolidated	979.06	9.66	969.40
	LL12mw-182	Unconsolidated	984.42	10.95	973.47
	LL12mw-183	Sharon Shale	982.98	13.52	969.46
	LL12mw-184	Unconsolidated	983.16	13.64	969.52
	LL12mw-185	Unconsolidated	981.31	8.99	972.32
	LL12mw-186	Sharon Shale	978.31	5.72	972.59
	LL12mw-187	Unconsolidated	979.94	10.41	969.53
	LL12mw-188	Unconsolidated	980.63	4.10	976.53
	LL12mw-189	Sharon Shale	978.04	3.25	974.79
	LL12mw-242	Unconsolidated	981.20	9.19	972.01
	LL12mw-243	Unconsolidated	980.79	10.03	970.76
	LL12mw-244	Unconsolidated	980.65	11.00	969.65
	LL12mw-245	Unconsolidated	980.04	8.88	971.16
	LL12mw-246	Unconsolidated	984.83	18.21	966.62
Atlas Scrap Yard	ASYmw-001	Sharon	981.13	13.14	967.99
	ASYmw-002	Sharon	985.24	16.97	968.27
	ASYmw-003	Sharon	982.21	14.18	968.03
	ASYmw-004	Sharon	979.66	10.46	969.20
	ASYmw-005	Sharon	979.80	8.51	971.29
	ASYmw-006	Sharon	983.01	15.29	967.72
	ASYmw-007	Unconsolidated	984.16	16.36	967.80
	ASYmw-008	Unconsolidated	978.85	5.22	973.63
	ASYmw-009	Sharon	982.70	13.86	968.84
	ASYmw-010	Unconsolidated	981.05	13.51	967.54
Building 1200	B12mw-010	Sharon	1005.92	18.59	987.33
	B12mw-011	Sharon	1006.70	22.34	984.36
	B12mw-012	Sharon	1006.32	23.55	982.77
C-Block Quarry	CBLmw-001	Homewood	1181.08	46.62	1134.46
	CBLmw-002	Homewood	1175.24	41.01	1134.23
	CBLmw-003	Homewood	1175.06	39.45	1135.61
	CBLmw-004	Homewood	1174.84	38.94	1135.90

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Table 3-1. Depth to Water and Potentiometric Elevation (January 2010)

RVAAP Area	Well ID	Monitored Zone	TOC Elevation (ft, amsl)	January 2010 Depth to Water (ft, BTOC)	Potentiometric Elevation January 2010 (ft, amsl)
Central Burn Pits	CBPmw-001	Unconsolidated	975.84	14.03	961.81
	CBPmw-002	Unconsolidated	970.04	10.17	959.87
	CBPmw-003	Unconsolidated	974.67	12.74	961.93
	CBPmw-004	Unconsolidated	971.13	11.34	959.79
	CBPmw-005	Unconsolidated	971.59	12.53	959.06
	CBPmw-006	Unconsolidated	967.64	8.48	959.16
	CBPmw-007	Unconsolidated	976.37	16.45	959.92
	CBPmw-008	Unconsolidated	973.19	16.29	956.90
Cobbs Pond	CPmw-001	Unconsolidated	975.26	1.86	973.40
	CPmw-002	Unconsolidated	972.31	0.15	972.16
	CPmw-003	Unconsolidated	972.92	0.58	972.34
	CPmw-004	Unconsolidated	981.20	10.43	970.77
	CPmw-005	Unconsolidated	973.58	12.08	961.50
	CPmw-006	Unconsolidated	965.13	7.75	957.38
Demolition Area 2	DEtmw-001B	Unconsolidated	1065.85	23.53	1042.32
	DEtmw-002	Unconsolidated	1061.24	32.29	1028.95
	DEtmw-003	Unconsolidated	1036.81	9.15	1027.66
	DEtmw-004	Unconsolidated	1038.68	9.51	1029.17
	DA2mw-104	Unconsolidated	1073.89	22.23	1051.66
	DA2mw-105	Unconsolidated	1045.34	2.90	1042.44
	DA2mw-106	Unconsolidated	1043.79	7.75	1036.04
	DA2mw-107	Unconsolidated	1041.63	6.51	1035.12
	DA2mw-108	Unconsolidated	1032.36	5.78	1026.58
	DA2mw-109	Unconsolidated	1071.29	14.02	1057.27
	DA2mw-110	Unconsolidated	1063.78	7.61	1056.17
	DA2mw-111	Unconsolidated	1042.12	3.76	1038.36
	DA2mw-112	Unconsolidated	1037.44	6.55	1030.89
	DA2mw-113	Unconsolidated	1037.11	7.34	1029.77
Erie Burning Grounds	EBGmw-123	Unconsolidated	947.82	9.28	938.54
	EBGmw-124	Unconsolidated	941.39	2.90	938.49
	EBGmw-125	Unconsolidated	949.89	11.37	938.52
	EBGmw-126	Unconsolidated	940.61	1.91	938.70
	EBGmw-127	Unconsolidated	943.07	4.32	938.75
	EBGmw-128	Unconsolidated	945.13	6.21	938.92
	EBGmw-129	Unconsolidated	944.36	5.29	939.07
	EBGmw-130	Unconsolidated	944.00	5.93	938.07
Fuze and Booster Quarry	FBQmw-166	Unconsolidated	1108.86	5.57	1103.29
	FBQmw-167	Unconsolidated	1115.90	4.48	1111.42
	FBQmw-168	Homewood	1133.91	12.93	1120.98
	FBQmw-169	Homewood	1120.58	4.94	1115.64
	FBQmw-170	Homewood	1142.26	21.93	1120.33
	FBQmw-171	Homewood	1143.55	21.64	1121.91
	FBQmw-172	Homewood	1150.09	30.31	1119.78
	FBQmw-173	Homewood	1165.94	46.96	1118.98
	FBQmw-174	Homewood	1139.97	20.89	1119.08
	FBQmw-175	Homewood	1140.73	21.51	1119.22
	FBQmw-176	Unconsolidated	1131.91	10.45	1121.46
	FBQmw-177	Homewood	1128.57	13.88	1114.69

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Table 3-1. Depth to Water and Potentiometric Elevation (January 2010)

RVAAP Area	Well ID	Monitored Zone	TOC Elevation (ft, amsl)	January 2010 Depth to Water (ft, BTOC)	Potentiometric Elevation January 2010 (ft, amsl)
Landfill North of Winklepeck	LNWmw-024	Unconsolidated	1038.00	12.50	1025.50
	LNWmw-025	Unconsolidated	1029.13	4.98	1024.15
	LNWmw-026	Unconsolidated	1027.80	3.73	1024.07
	LNWmw-027	Unconsolidated	1027.13	7.05	1020.08
NACA Test Area	NTAmw-107	Unconsolidated	1080.30	12.92	1067.38
	NTAmw-108	Unconsolidated	1085.62	18.06	1067.56
	NTAmw-109	Unconsolidated	1079.84	12.10	1067.74
	NTAmw-110	Unconsolidated	1082.62	14.39	1068.23
	NTAmw-111	Unconsolidated	1080.94	3.20	1077.74
	NTAmw-112	Unconsolidated	1078.33	9.08	1069.25
	NTAmw-113	Unconsolidated	1075.68	7.02	1068.66
	NTAmw-114	Unconsolidated	1078.71	6.11	1072.60
	NTAmw-115	Unconsolidated	1089.65	13.74	1075.91
	NTAmw-116	Unconsolidated	1094.33	4.23	1090.10
	NTAmw-117	Unconsolidated	1094.54	13.13	1081.41
	NTAmw-118	Unconsolidated	1081.44	8.79	1072.65
Ramsdell Quarry Landfill	RQLmw-006	Sharon	995.39	38.12	957.27
	RQLmw-007	Sharon	965.91	9.86	956.05
	RQLmw-008	Sharon	966.08	9.42	956.66
	RQLmw-009	Sharon	964.58	7.54	957.04
	RQLmw-010	Sharon	982.14	29.01	953.13
	RQLmw-011	Sharon	976.57	25.56	951.01
	RQLmw-012	Sharon	977.65	25.13	952.52
	RQLmw-013	Sharon	980.71	28.65	952.06
	RQLmw-014	Sharon	973.49	22.91	950.58
	RQLmw-015	Sharon	991.26	34.92	956.34
	RQLmw-016	Sharon	996.60	38.54	958.06
	RQLmw-017	Sharon	991.23	32.58	958.65
Winklepeck Burning Grounds	WBGmw-005	Unconsolidated	1054.70	5.42	1049.28
	WBGmw-006	Unconsolidated	1014.66	6.44	1008.22
	WBGmw-007	Unconsolidated	1000.59	17.83	982.76
	WBGmw-008	Unconsolidated	1008.21	14.37	993.84
	WBGmw-009	Unconsolidated	1047.53	13.20	1034.33
	WBGmw-010	Unconsolidated	1069.85	8.80	1061.05
	WBGmw-011	Unconsolidated	1072.38	11.40	1060.98
	WBGmw-012	Unconsolidated	1079.11	27.51	1051.60
	WBGmw-013	Unconsolidated	1071.70	12.91	1058.79
	WBGmw-014	Unconsolidated	996.78	16.40	980.38
	WBGmw-015	Unconsolidated	1011.60	11.10	1000.50
	WBGmw-016	Unconsolidated	997.03	17.70	979.33
	WBGmw-017	Unconsolidated	1006.62	8.16	998.46
Suspected Mustard Agent Burial Site	MBS-001	Unconsolidated	1082.20	17.51	1064.69
	MBS-002	Unconsolidated	1083.22	18.11	1065.11
	MBS-003	Unconsolidated	1084.45	18.71	1065.74
	MBS-004	Unconsolidated	1081.80	16.74	1065.06
	MBS-005	Unconsolidated	1082.42	17.75	1064.67
	MBS-006	Unconsolidated	1081.83	17.20	1064.63

TOC = top of casing

amsl = above mean sea level

BTOC = below top of casing

Table 3-2. Well Construction Details, Including January 2010 Depth to Bottom Measurements

RVAAP Area	Well ID	Ohio State Plane Easting	Ohio State Plane Northing	Ground Level Elevation ^a	Total Drilled Depth ^b	TOC Elevation ^a	Well Head Type ^c	Monitored Zone	Top of Screen (ft, BGS)	Bottom of Screen (ft, BGS)	Bottom of Inner Casing Plug or End Cap (ft, BGS)	Stickup height (ft, AGS)	Reported Bottom of Inner Casing (ft, BTOC)	Jan 2010 Measured Bottom of Inner Casing (ft, BTOC)	Sediment Accumulation (ft)	Description of Bottom
Background	BKGmw-004	2368852.97	569464.76	965.16	19.5	967.66	A	Unconsolidated	9.2	19.2	19.5	2.50	22.0	22.22	-0.22	Hard
	BKGmw-005	2340835.86	562288.45	1,149.44	19.0	1,151.94	A	Unconsolidated	8.2	18.2	18.5	2.50	21.0	20.88	0.12	Hard
	BKGmw-006	2358643.96	571910.47	1,026.38	35.1	1,028.88	A	Sharon	24.7	34.7	35.1	2.50	37.6	37.50	0.10	Hard
	BKGmw-008	2372741.08	569654.23	970.40	25.0	972.90	A	Sharon	14.7	24.7	25.0	2.50	27.5	27.35	0.15	Hard
	BKGmw-010	2371372.86	565540.54	1,003.80	22.0	1,006.18	A	Sharon	8.9	18.9	19.2	2.38	21.6	21.96	-0.36	Hard
	BKGmw-012	2367795.23	563918.86	997.57	59.8	1,000.07	A	Sharon	38.6	59.6	59.8	2.50	62.3	62.11	0.19	Soft
	BKGmw-013	2361627.39	558269.16	986.59	25.5	989.09	A	Unconsolidated	15.2	25.2	25.5	2.50	28.0	28.09	-0.09	Hard
	BKGmw-015	2361482.22	569339.87	1,037.90	51.0	1,040.40	A	Sharon	30.1	50.1	50.4	2.50	52.9	52.97	-0.07	Hard
	BKGmw-016	2342407.08	553983.50	1,098.42	19.0	1,100.92	A	Unconsolidated	8.4	18.5	18.6	2.50	21.1	21.14	-0.04	Hard
	BKGmw-017	2346115.35	562452.04	1,132.80	34.8	1,135.30	A	Unconsolidated	23.2	33.3	33.6	2.50	36.1	35.92	0.18	Hard
	BKGmw-018	2354993.91	570873.35	1,043.06	24.7	1,045.56	A	Sharon	14.5	24.5	24.7	2.50	27.2	27.53	-0.33	Hard
	BKGmw-019	2349882.14	559864.55	1,108.24	34.0	1,110.74	A	Unconsolidated	23.0	33.0	33.2	2.50	35.7	35.61	0.09	Hard
Load Line 1	BKGmw-020	2357856.24	558756.24	1,065.00	30.7	1,067.50	A	Unconsolidated	20.5	30.5	30.7	2.50	33.2	33.32	-0.12	Hard
	BKGmw-021	2367622.95	571016.75	972.16	19.0	974.66	A	Unconsolidated	7.7	17.8	18.1	2.50	20.6	21.43	-0.83	Hard
	LL1mw-063	2376841.36	563650.53	992.20	27.4	994.84	A	Sharon	17.1	27.1	27.4	2.64	30.0	30.19	-0.19	Hard
	LL1mw-064	2380286.97	563118.74	932.32	18.4	935.10	A	Unconsolidated	8.0	18.0	18.4	2.78	21.1	21.20	-0.10	Hard
	LL1mw-065	2380452.00	560916.92	941.53	20.5	944.41	A	Unconsolidated	10.2	20.2	20.5	2.88	23.4	23.20	0.20	Hard
	LL1mw-067	2376545.30	565201.14	977.55	22.8	980.36	A	Sharon	12.8	22.5	22.8	2.81	25.6	25.82	-0.22	Hard
	LL1mw-078	2376275.85	564623.87	993.40	38.7	995.84	A	Sharon	28.7	38.2	38.7	2.44	41.1	41.22	-0.12	Medium
	LL1mw-079	2376228.31	563739.63	995.30	29.5	997.87	A	Sharon	29.5	38.9	39.5	2.57	42.0	41.85	0.15	Hard
	LL1mw-080	2376845.07	562479.73	993.70	19.5	996.27	A	Sharon	9.5	19.0	19.5	2.57	22.0	22.47	-0.47	Hard
	LL1mw-081	2376672.66	563462.73	996.40	39.4	998.92	A	Sharon	29.4	38.9	39.4	2.52	41.9	42.10	-0.20	Hard
	LL1mw-082	2376977.38	562956.86	1,003.70	39.0	1,006.45	A	Sharon	28.9	38.5	39.0	2.75	41.8	41.67	0.13	Medium
	LL1mw-083	2377074.80	563612.75	992.80	39.3	995.20	A	Sharon	29.1	38.6	39.3	2.40	41.7	41.52	0.18	Hard
Load Line 2	LL1mw-084	2377316.02	563160.44	996.40	37.0	998.73	A	Sharon	26.7	36.3	37.0	2.33	39.3	39.18	0.12	Hard
	LL1mw-085	2377246.94	562046.25	994.30	42.1	996.84	A	Sharon	32.2	41.6	42.1	2.54	44.7	40.06	4.64	Obstruction?
	LL2mw-059	2375453.00	558020.00	964.33	19.5	966.67	A	Sharon	9.3	19.1	19.5	2.34	21.8	21.98	-0.18	Soft
	LL2mw-060	2375978.00	558022.00	958.93	18.3	961.57	A	Sharon	8.1	17.9	18.3	2.64	20.9	20.91	-0.01	Hard
	LL2mw-261	2373317.81	561898.25	1,009.55	22.5	1,011.40	A	Sharon	9.8	19.8	20.0	1.85	21.9	22.56	-0.66	Hard
	LL2mw-262	2373970.79	562219.87	1,011.12	21.2	1,012.62	A	Sharon	10.6	20.6	20.8	1.50	22.3	22.75	-0.45	Hard
	LL2mw-263	2374289.51	561591.19	1,009.42	22.2	1,011.47	A	Sharon	10.8	20.8	21.0	2.05	23.0	23.53	-0.53	Hard
	LL2mw-264	2374532.00	561173.60	1,010.10	20.5	1,011.88	A	Sharon	9.8	19.8	20.0	1.78	21.7	22.48	-0.78	Hard
	LL2mw-265	2375594.06	557972.91	959.47	22.5	961.24	A	Sharon	11.8	21.8	22.0	1.77	23.8	24.53	-0.73	Hard
	LL2mw-266	2373744.03	561981.86	1,014.09	20.5	1,016.28	A	Sharon	9.8	19.8	20.0	2.19	22.2	22.82	-0.62	Hard
	LL2mw-267	2373715.04	561393.22	1,012.81	20.5	1,014.81	A	Sharon	9.8	19.8	20.0	2.00	22.0	22.82	-0.82	Hard
	LL2mw-268	2374157.30	560831.04	1,015.47	28.8	1,017.28	A	Sharon	17.3	27.3	27.5	1.81	29.3	30.00	-0.70	Medium
Load Line 3	LL2mw-269	2374756.07	559484.12	1,009.49	28.0	1,011.62	A	Sharon	17.1	27.1	27.3	2.13	29.4	30.39	-0.99	Hard
	LL2mw-270	2372858.41	562655.93	1,009.93	20.5	1,010.18	A	Sharon	9.8	19.8	20.0	0.25	20.3	22.51	-2.21	Medium
	LL3mw-232	2369862.96	561365.91	998.59	37.8	1,000.41	A	Sharon	26.8	36.8	37.0	1.82	38.8	39.94	-1.14	Soft
	LL3mw-233	2369934.52	560750.41	1,002.47	31.1	1,004.36	A	Sharon	20.1	30.1	30.3	1.89	32.2	32.89	-0.69	Hard
	LL3mw-234	2370297.47	560058.89	1,004.47	20.5	1,006.56	A	Sharon	9.8	19.8	20.0	2.09	22.1	22.74	-0.64	Hard
	LL3mw-235	2370642.47	559812.63	1,008.05	21.2	1,009.94	A	Sharon	10.1	20.1	20.3	1.89	22.2	23.02	-0.82	Hard
	LL3mw-236	2371178.58	559866.75	1,008.94	25.5	1,011.17	A	Sharon	13.8	23.8	24.0	2.23	26.2	26.68	-0.48	Hard
	LL3mw-237	2371475.00	559328.09	1,003.57	23.9	1,005.57	A	Sharon	12.7	22.7	22.9	2.00	24.9	25.65	-0.75	Hard
	LL3mw-238	2370625.34	559569.06	1,004.75	20.7	1,006.91	A	Sharon	10.5	20.5	20.7	2.16	22.9	23.44	-0.54	Hard
	LL3mw-239	2370895.01	559101.39	1,001.70	35.7	1,003.50	A	Sharon	24.9	34.9	35.0	1.80	36.8	36.76	0.04	Soft
	LL3mw-240	2371309.57	558204.34	1,005.60	35.5	1,007.52	A	Sharon	24.4	34.4	34.6	1.92	36.5	36.78	-0.28	Soft
	LL3mw-241	2370332.80	559298.09	992.41	23.8	994.65	A	Sharon	12.7	22.7	22.9	2.24	25.1	25.67	-0.57	Hard
	LL3mw-242	2371993.30	557034.21	997.39	20.5	999.32	A	Sharon	9.8	19.8	20.0	1.93	21.9	22.61	-0.71	Hard
	LL3mw-243	2371532.61	556688.92	989.36	24.5	991.16	A	Sharon	13.8	23.8	24.0	1.80	25.8	26.42	-0.62	Hard

Table 3-2. Well Construction Details, Including January 2010 Depth to Bottom Measurements

RVAAP Area	Well ID	Ohio State Plane Easting	Ohio State Plane Northing	Ground Level Elevation ^a	Total Drilled Depth ^b	TOC Elevation ^a	Well Head Type ^c	Monitored Zone	Top of Screen (ft, BGS)	Bottom of Screen (ft, BGS)	Bottom of Inner Casing Plug or End Cap (ft, BGS)	Stickup height (ft, AGS)	Reported Bottom of Inner Casing (ft, BTOC)	Jan 2010 Measured Bottom of Inner Casing (ft, BTOC)	Sediment Accumulation (ft)	Description of Bottom
Load Line 4	LL4mw-193	2364237.44	554959.74	980.88	21.9	982.92	A	Unconsolidated	11.3	21.3	21.5	2.04	23.5	24.38	-0.88	Soft
	LL4mw-194	2364584.76	555088.18	981.87	22.0	983.76	A	Unconsolidated	11.3	21.3	21.5	1.89	23.4	23.61	-0.21	Medium
	LL4mw-195	2365198.84	555045.69	980.83	21.0	982.59	A	Unconsolidated	10.3	20.3	20.5	1.76	22.3	22.91	-0.61	Soft
	LL4mw-196	2365297.28	555212.59	982.56	20.0	984.55	A	Unconsolidated	9.2	19.2	19.4	1.99	21.4	21.89	-0.49	Hard
	LL4mw-197	2365385.95	555396.55	983.79	21.7	985.46	A	Unconsolidated	10.8	20.8	21.0	1.67	22.7	23.69	-0.99	Hard
	LL4mw-198	2364991.12	555440.99	981.61	22.0	983.42	A	Unconsolidated	10.3	20.3	20.5	1.81	22.3	22.06	0.24	Soft
	LL4mw-199	2365421.66	554621.06	975.20	22.0	977.28	A	Unconsolidated	10.3	20.3	20.5	2.08	22.6	23.27	-0.67	Medium
	LL4mw-200	2365904.12	554579.72	985.97	23.5	987.93	A	Unconsolidated	12.6	22.6	23.0	1.96	25.0	25.28	-0.28	Medium
Load Line 5	LL5mw-001	2354625.07	554319.25	1,125.00	24.0	1,127.92	A	Homewood	14.0	24.0	24.0	2.92	26.9	26.98	-0.08	Hard
	LL5mw-002	2354571.52	554604.01	1,125.80	25.0	1,128.68	A	Homewood	15.0	25.0	25.0	2.88	27.9	27.49	0.41	Hard
	LL5mw-003	2354964.47	554535.41	1,124.70	21.0	1,127.70	A	Unconsolidated	11.0	21.0	21.0	3.00	24.0	23.93	0.07	Hard
	LL5mw-004	2355006.44	554073.73	1,122.90	22.4	1,125.81	A	Homewood	12.0	22.0	22.0	2.91	24.9	25.27	-0.37	Medium
	LL5mw-005	2354422.02	554152.73	1,126.50	27.8	1,129.42	A	Homewood	17.0	27.0	27.0	2.92	29.9	29.65	0.25	Soft
	LL5mw-006	2354730.78	553984.82	1,125.10	24.5	1,128.00	A	Homewood	14.0	24.0	24.0	2.90	26.9	27.05	-0.15	Hard
Load Line 6	LL6mw-001	2353153.23	554214.84	NA	18.0	1,124.16	F	Unconsolidated	7.0	17.0	17.0	0.00	17.0	17.59	-0.59	Hard
	LL6mw-002	2353820.09	553589.88	NA	23.0	1,129.36	F	Unconsolidated	12.5	22.5	22.5	0.00	22.5	24.45	-1.95	Hard
	LL6mw-003	2353048.68	553544.34	NA	23.4	1,125.38	A	Homewood	12.5	22.5	22.5	3.35	25.9	25.64	0.26	Medium
	LL6mw-004	2353368.79	553431.82	NA	23.0	1,125.39	A	Homewood	12.5	22.5	22.5	2.58	25.1	24.50	0.60	Hard
	LL6mw-005	2353194.52	553170.76	NA	19.9	1,120.47	A	Homewood	9.5	19.5	19.5	2.96	22.5	22.14	0.36	Hard
	LL6mw-006	2352419.15	553165.28	NA	20.0	1,124.37	A	Unconsolidated	7.0	17.0	17.0	0.00	17.0	17.56	-0.56	Hard
	LL6mw-007	2353354.89	552677.17	NA	20.0	1,115.62	F	Homewood	9.5	19.5	19.5	0.00	19.5	19.33	0.17	Hard
Load Line 7	LL7mw-001	2352192.91	554925.77	1,126.90	30.0	1,129.64	A	Homewood	19.5	29.5	29.5	2.74	32.2	33.04	-0.84	Hard
	LL7mw-002	2351918.23	555126.55	1,126.70	26.5	1,129.55	A	Homewood	15.0	25.0	25.0	2.85	27.8	27.14	0.66	Hard
	LL7mw-003	2352351.04	555417.04	1,118.23	31.5	1,120.84	A	Homewood	21.0	31.0	31.0	2.61	33.6	33.53	0.07	Hard
	LL7mw-004	2352035.20	555581.14	1,123.30	29.5	1,126.32	A	Homewood	19.5	29.5	29.5	3.02	32.5	32.22	0.28	Hard
	LL7mw-005	2351741.47	555581.80	1,133.30	28.2	1,135.87	A	Homewood	18.0	28.0	28.0	2.57	30.6	30.32	0.28	Hard
	LL7mw-006	2351879.92	555990.59	1,120.70	28.0	1,123.56	A	Homewood	17.5	27.5	27.5	2.86	30.4	30.30	0.10	Hard
Load Line 8	LL8mw-001	2351666.10	552607.06	1,118.69	24.0	1,121.46	A	Unconsolidated	14.0	24.0	24.0	2.77	26.8	27.40	-0.60	Soft
	LL8mw-002	2351010.33	552408.18	1,121.67	30.4	1,124.51	A	Unconsolidated	20.0	30.0	30.0	2.84	32.8	32.55	0.25	Hard
	LL8mw-003	2351359.25	552231.14	1,116.30	21.0	1,119.05	A	Unconsolidated	10.5	20.5	20.5	2.75	23.3	23.00	0.30	Hard
	LL8mw-004	2351261.83	551807.58	1,112.73	20.5	1,115.75	A	Unconsolidated	10.0	20.0	20.0	3.02	23.0	22.70	0.30	Hard
	LL8mw-005	2351748.32	551522.48	1,112.51	24.0	1,115.73	A	Homewood	14.0	24.0	24.0	3.22	27.2	27.08	0.12	Medium
	LL8mw-006	2351483.58	551296.77	1,114.33	24.2	1,117.17	A	Homewood	14.0	24.0	24.0	2.84	26.8	27.00	-0.20	Hard
Load Line 9	LL9mw-001	2355817.04	556125.81	NA	21.6	1,134.62	A	Homewood	10.5	20.5	20.5	2.78	23.3	23.27	0.03	Hard
	LL9mw-002	2355907.76	556755.11	NA	21.0	1,127.30	A	Homewood	10.0	20.0	20.0	2.42	22.4	22.82	-0.42	Hard
	LL9mw-003	2356635.21	556445.31	NA	22.0	1,135.76	A	Homewood	11.5	21.5	21.5	2.30	23.8	24.26	-0.46	Hard
	LL9mw-004	2357338.76	556002.00	NA	33.0	1,131.83	A	Homewood	22.0	32.0	32.0	2.91	34.9	34.74	0.16	Hard
	LL9mw-005	2356505.95	557063.36	NA	20.6	1,130.93	A	Homewood	10.0	20.0	20.0	3.30	23.3	23.57	-0.27	Hard
	LL9mw-006	2357446.67	556434.79	NA	26.8	1,129.88	A	Homewood	16.0	26.0	26.0	2.90	28.9	28.88	0.02	Hard
	LL9mw-007	2357024.34	557000.56	NA	19.0	1,119.99	F	Homewood	8.5	18.5	18.5	0.00	18.5	18.23	0.27	Hard
Load Line 10	LL10mw-001	2355272.22	555816.25	1,130.00	28.0	1,132.77	A	Homewood	17.0	27.0	27.0	2.77	29.8	29.54	0.26	Hard
	LL10mw-002	2355710.51	555523.36	1,124.40	28.0	1,127.13	A	Homewood	17.0	27.0	27.0	2.73	29.7	29.75	-0.05	Hard
	LL10mw-003	2355389.92	555494.71	1,127.40	26.4	1,130.28	A	Homewood	16.0	26.0	26.0	2.88	28.9	28.59	0.31	Hard
	LL10mw-004	2355438.20	555236.59	1,119.60	31.2	1,122.39	A	Homewood	21.0	31.0	31.0	2.79	33.8	33.49	0.31	Hard
	LL10mw-005	2355943.55	555380.53	1,122.90	27.0	1,125.67	A	Homewood	16.5	26.5	26.5	2.77	29.3	29.19	0.11	Hard
	LL10mw-006	2355654.80	554995.25	1,121.20	24.0	1,123.83	A	Unconsolidated	13.5	23.5	23.5	2.63	26.1	26.45	-0.35	Hard

Table 3-2. Well Construction Details, Including January 2010 Depth to Bottom Measurements

RVAAP Area	Well ID	Ohio State Plane Easting	Ohio State Plane Northing	Ground Level Elevation ^a	Total Drilled Depth ^b	TOC Elevation ^a	Well Head Type ^c	Monitored Zone	Top of Screen (ft, BGS)	Bottom of Screen (ft, BGS)	Bottom of Inner Casing Plug or End Cap (ft, BGS)	Stickup height (ft, AGS)	Reported Bottom of Inner Casing (ft, BTOC)	Jan 2010 Measured Bottom of Inner Casing (ft, BTOC)	Sediment Accumulation (ft)	Description of Bottom
Load Line 11	LL11mw-001	2352778.89	557505.03	1,097.46	23.0	1,100.16	A	Unconsolidated	11.4	21.4	21.4	2.70	24.1	23.31	0.79	Medium
	LL11mw-002	2353354.28	558310.52	1,080.29	20.0	1,080.00	F	Unconsolidated	6.3	16.3	16.3	-0.29	16.0	16.39	-0.39	Hard
	LL11mw-003	2352737.87	557999.62	1,088.45	17.0	1,088.48	F	Unconsolidated	5.9	15.9	15.9	0.03	15.9	16.05	-0.15	Hard
	LL11mw-004	2352737.24	558164.36	1,084.60	17.0	1,084.72	F	Unconsolidated	6.1	16.1	16.1	0.12	16.2	16.15	0.05	Hard
	LL11mw-005	2352847.56	558501.02	1,079.60	17.0	1,079.40	F	Unconsolidated	6.2	16.2	16.2	-0.20	16.0	16.37	-0.37	Hard
	LL11mw-006	2352521.36	558263.28	1,086.61	17.0	1,086.50	F	Unconsolidated	5.6	15.6	15.6	-0.11	15.5	15.68	-0.18	Hard
	LL11mw-007	2352094.81	558189.71	1,079.22	23.0	1,082.00	A	Unconsolidated	12.4	22.4	22.4	2.78	25.2	25.26	-0.06	Hard
	LL11mw-008	2352388.60	557981.17	1,087.90	17.0	1,087.74	F	Unconsolidated	5.6	15.6	15.6	-0.16	15.4	15.67	-0.27	Hard
	LL11mw-009	2352577.18	557901.18	1,088.38	17.0	1,091.54	F	Unconsolidated	6.7	16.7	16.7	-0.10	16.6	19.48	-2.88	Hard
Load Line 12	LL12mw-088	2368667.75	556393.79	978.94	29.0	981.06	A	Unconsolidated	14.8	24.8	25.0	2.12	27.1	27.50	-0.40	Hard
	LL12mw-107	2368595.67	556759.02	978.03	33.0	980.15	A	Unconsolidated	20.7	30.7	31.0	2.12	33.1	33.78	-0.68	Hard
	LL12mw-113	2368223.73	558345.37	977.67	23.0	980.18	A	Sharon Shale	12.3	22.3	22.5	2.51	25.0	21.56	3.44	Soft
	LL12mw-128	2368293.20	557371.54	976.21	34.0	978.24	A	Unconsolidated	21.1	31.1	31.3	2.03	33.3	34.16	-0.86	Soft
	LL12mw-153	2368138.87	557823.23	975.34	26.0	977.85	A	Unconsolidated	12.3	22.3	22.5	2.51	25.0	25.18	-0.18	Hard
	LL12mw-154	2368183.88	557754.56	977.00	29.0	979.06	A	Unconsolidated	16.4	26.4	26.6	2.06	28.7	28.72	-0.02	Hard
	LL12mw-182	2368853.20	555890.35	982.20	36.1	984.42	A	Unconsolidated	25.2	35.2	35.5	2.22	37.7	38.09	-0.39	Hard
	LL12mw-183	2369224.36	556068.15	980.59	36.0	982.98	A	Sharon Shale	23.3	33.3	33.6	2.39	36.0	36.41	-0.41	Hard
	LL12mw-184	2368997.48	556399.46	980.96	29.5	983.16	A	Unconsolidated	18.8	28.8	29.0	2.20	31.2	31.16	0.04	Hard
	LL12mw-185	2368829.86	556946.75	979.09	24.0	981.31	A	Unconsolidated	10.8	20.8	21.0	2.22	23.2	23.35	-0.15	Hard
	LL12mw-186	2367912.39	559065.95	976.34	23.0	978.31	A	Sharon Shale	8.8	18.8	19.0	1.97	21.0	20.82	0.18	Hard
	LL12mw-187	2368524.14	557633.10	977.90	29.0	979.94	A	Unconsolidated	17.2	27.2	27.4	2.04	29.4	29.71	-0.31	Hard
	LL12mw-188	2367908.82	558132.59	978.46	20.5	980.63	A	Unconsolidated	9.8	19.8	20.0	2.17	22.2	22.19	0.01	Soft
	LL12mw-189	2367945.92	558569.27	976.17	18.5	978.04	A	Sharon Shale	7.5	17.5	17.7	1.87	19.6	20.08	-0.48	Soft
	LL12mw-242	2368545.29	558020.51	978.40	26.3	981.20	A	Unconsolidated	15.5	25.5	25.5	2.80	28.3	28.81	-0.51	Soft
	LL12mw-243	2368190.04	557376.32	978.10	24.0	980.79	A	Unconsolidated	13.0	23.0	23.0	2.69	25.7	25.52	0.18	Soft
	LL12mw-244	2368751.42	557377.17	978.10	30.0	980.65	A	Unconsolidated	19.5	29.5	29.5	2.55	32.1	32.08	0.02	Soft
Atlas Scrap Yard	LL12mw-245	2368370.74	557044.55	977.50	29.0	980.04	A	Unconsolidated	18.0	28.0	28.0	2.54	30.5	30.29	0.21	Soft
	LL12mw-246	2369432.17	556658.89	982.00	32.0	984.83	A	Unconsolidated	21.5	31.5	31.5	2.83	34.3	35.10	-0.80	Hard
	ASYmw-001	2366260.85	558404.04	978.40	22.0	981.13	A	Sharon	11.0	21.0	21.0	2.73	23.7	23.05	0.65	Hard
	ASYmw-002	2366170.86	557887.86	982.00	20.0	985.24	A	Sharon	10.0	19.5	19.5	3.24	22.7	22.88	-0.18	Hard
	ASYmw-003	2366651.49	558015.94	979.70	21.5	982.21	A	Sharon	11.0	21.0	21.0	2.51	23.5	23.45	0.05	Hard
	ASYmw-004	2367166.04	557640.81	977.10	27.8	979.66	A	Sharon	17.0	27.0	27.0	2.56	29.6	29.73	-0.13	Hard
	ASYmw-005	2367448.16	557783.01	977.60	25.0	979.80	A	Sharon	14.0	24.0	24.0	2.20	26.2	27.12	-0.92	Hard
	ASYmw-006	2366746.73	557257.72	980.20	27.0	983.01	A	Sharon	16.0	26.0	26.0	2.81	28.8	28.83	-0.03	Hard
	ASYmw-007	2366834.49	556818.08	981.40	28.0	984.16	A	Unconsolidated	16.0	26.0	26.0	2.76	28.8	28.82	-0.02	Hard
	ASYmw-008	2367475.07	557087.66	976.20	26.0	978.85	A	Unconsolidated	15.0	25.0	25.0	2.65	27.7	26.25	1.45	Soft
Building 1200	ASYmw-009	2366631.94	557603.68	979.90	22.0	982.70	A	Sharon	11.5	21.5	21.5	2.80	24.3	24.30	0.00	Soft
	ASYmw-010	2366985.37	557270.61	978.20	28.0	981.05	A	Unconsolidated	17.0	27.0	27.0	2.85	29.8	31.05	-1.25	Hard
	B12mw-010	2371292.81	565827.43	1,002.72	21.0	1,005.92	A	Sharon	10.0	20.0	20.0	3.20	23.2	22.80	0.40	Hard
C-Block Quarry	B12mw-011	2371416.15	565687.82	1,003.76	24.7	1,006.70	A	Sharon	14.0	24.0	24.0	2.94	26.9	26.70	0.20	Hard
	B12mw-012	2371430.41	565828.01	1,003.43	22.3	1,006.32	A	Sharon	12.0	22.0	22.0	2.89	24.9	24.80	0.10	Hard
	CBLmw-001	2343657.08	559403.12	1,178.50	50.0	1,181.08	A	Homewood	39.0	49.0	49.0	2.58	51.6	51.60	0.00	Medium
Central Burn Pits	CBLmw-002	2343845.22	559044.48	1,172.50	45.3	1,175.24	A	Homewood	34.5	44.5	44.5	2.74	47.2	47.32	-0.12	Hard
	CBLmw-003	2343970.00	559695.52	1,172.22	44.0	1,175.06	A	Homewood	33.0	43.0	43.0	2.84	45.8	44.67	1.13	Medium
	CBLmw-004	2343688.76	559951.58	1,172.08	45.0	1,174.84	A	Homewood	34.0	44.0	44.0	2.76	46.8	47.01	-0.21	Hard
Central Burn Pits	CBPmw-001	2367095.37	561616.01	972.71	32.3	975.84	A	Unconsolidated	21.8	31.8	31.8	3.13	34.9	34.24	0.66	Soft
	CBPmw-002	2367295.66	561865.83	967.33	30.0	970.04	A	Unconsolidated	19.5	29.5	29.5	2.71	32.2	31.83	0.37	Soft
	CBPmw-003	2366768.68	561944.14	972.04	25.0	974.67	A	Unconsolidated	14.5	24.5	24.5	2.63	27.1	30.18	-3.08	Hard
	CBPmw-004	2366978.80	562123.80	968.58	27.5	971.13	A	Unconsolidated	17.0	27.0	27.0	2.55	29.5	29.61	-0.11	Medium
	CBPmw-005	2366919.66	562311.88	968.83	25.0	971.59	A	Unconsolidated	14.5	24.5	24.5	2.76	27.3	27.37	-0.07	Soft
	CBPmw-006	2367243.68	562311.87	965.01	23.0	967.64	A	Unconsolidated	12.5	22.5	22.5	2.63	25.1	25.20	-0.10	Soft
	CBPmw-007	2366512.62	562006.41	973.47	30.0	976.37	A	Unconsolidated	19.5	29.5	29.5	2.90	32.4	31.73	0.67	Hard
	CBPmw-008	2366757.21	562668.84	970.57	25.5	973.19	A	Unconsolidated	15.0	25.0	25.0	2.62	27.6	27.89	-0.29	Hard

Table 3-2. Well Construction Details, Including January 2010 Depth to Bottom Measurements

RVAAP Area	Well ID	Ohio State Plane Easting	Ohio State Plane Northing	Ground Level Elevation ^a	Total Drilled Depth ^b	TOC Elevation ^a	Well Head Type ^c	Monitored Zone	Top of Screen (ft, BGS)	Bottom of Screen (ft, BGS)	Bottom of Inner Casing Plug or End Cap (ft, BGS)	Stickup height (ft, AGS)	Reported Bottom of Inner Casing (ft, BTOC)	Jan 2010 Measured Bottom of Inner Casing (ft, BTOC)	Sediment Accumulation (ft)	Description of Bottom
Cobbs Pond	CPmw-001	2368948.81	560440.91	975.46	16.0	975.26	F	Unconsolidated	5.5	15.5	15.5	-0.20	15.3	14.85	0.45	Hard
	CPmw-002	2368239.23	560311.26	972.72	16.0	972.31	F	Unconsolidated	5.5	15.5	15.5	-0.41	15.1	14.99	0.11	Hard
	CPmw-003	2368796.49	560676.30	973.27	18.5	972.92	F	Unconsolidated	8.0	18.0	18.0	-0.35	17.6	17.83	-0.23	Hard
	CPmw-004	2368674.31	561843.46	978.51	20.0	981.20	A	Unconsolidated	9.5	19.5	19.5	2.69	22.2	22.53	-0.33	Hard
	CPmw-005	2367900.41	561846.78	970.71	40.0	973.58	A	Unconsolidated	29.5	39.5	39.5	2.87	42.4	43.15	-0.75	Hard
	CPmw-006	2367727.13	562830.13	962.97	18.5	965.13	A	Unconsolidated	8.0	18.0	18.0	2.16	20.2	20.61	-0.41	Hard
Demolition Area 2	DET-001B	2354959.47	560820.03	1,064.35	39.0	1,065.85	A	Unconsolidated	34.0	39.0	39.0	1.50	40.5	38.50	2.00	Hard
	DET-002	2355360.33	560664.71	1,060.24	39.0	1,061.24	A	Unconsolidated	34.0	39.0	39.0	1.00	40.0	41.93	-1.93	Soft
	DET-003	2355204.94	560456.10	1,035.81	15.0	1,036.81	A	Unconsolidated	7.0	12.0	12.0	1.00	13.0	16.01	-3.01	Hard
	DET-004	2355072.36	560454.22	1,037.68	11.0	1,038.68	A	Unconsolidated	6.0	11.0	11.0	1.00	12.0	13.80	-1.80	Hard
	DA2mw-104	2354773.79	561129.59	1,070.82	27.0	1,073.89	A	Unconsolidated	16.3	26.3	26.5	3.07	29.6	29.19	0.41	Hard
	DA2mw-105	2354557.62	560572.58	1,042.66	14.0	1,045.34	A	Unconsolidated	8.3	13.3	13.5	2.68	16.2	16.20	0.00	Hard
	DA2mw-106	2354848.85	560560.49	1,041.19	16.0	1,043.79	A	Unconsolidated	8.3	15.3	15.5	2.60	18.1	16.76	1.34	Hard
	DA2mw-107	2354924.29	560480.05	1,039.18	15.0	1,041.63	A	Unconsolidated	8.8	13.8	14.0	2.45	16.5	16.82	-0.32	Hard
	DA2mw-108	2355604.43	560181.78	1,029.92	15.0	1,032.36	A	Unconsolidated	9.3	14.3	14.5	2.44	16.9	17.13	-0.23	Hard
	DA2mw-109	2354793.14	559897.89	1,068.66	24.0	1,071.29	A	Unconsolidated	11.3	21.3	21.5	2.63	24.1	24.24	-0.14	Soft
	DA2mw-110	2355195.91	559927.02	1,061.39	20.0	1,063.78	A	Unconsolidated	9.3	19.3	19.5	2.39	21.9	22.34	-0.44	Hard
	DA2mw-111	2354728.33	560222.94	1,039.63	12.6	1,042.12	A	Unconsolidated	7.1	12.1	12.3	2.49	14.8	14.78	0.02	Hard
	DA2mw-112	2355018.98	560378.36	1,034.87	15.0	1,037.44	A	Unconsolidated	8.8	13.8	14.0	2.57	16.6	17.04	-0.44	Hard
	DA2mw-113	2355153.13	560394.81	1,034.51	14.0	1,037.11	A	Unconsolidated	8.3	13.3	13.5	2.60	16.1	16.28	-0.18	Hard
Erie Burning Grounds	EBGmw-123	2380049.21	571747.04	945.59	32.0	947.82	A	Unconsolidated	21.0	31.0	31.5	2.23	33.7	34.73	-1.03	Hard
	EBGmw-124	2380030.24	571618.07	939.02	32.0	941.39	A	Unconsolidated	20.0	30.0	30.5	2.37	32.9	32.63	0.27	Soft
	EBGmw-125	2379679.20	571655.63	947.55	25.0	949.89	A	Unconsolidated	14.0	24.0	24.5	2.34	26.8	27.43	-0.63	Hard
	EBGmw-126	2380307.31	572348.81	938.20	28.0	940.61	A	Unconsolidated	15.2	25.2	25.5	2.41	27.9	27.80	0.10	Medium
	EBGmw-127	2380172.16	571083.61	940.21	30.0	943.07	A	Unconsolidated	19.0	29.0	29.5	2.86	32.4	32.82	-0.42	Medium
	EBGmw-128	2379892.79	570970.32	942.47	28.0	945.13	A	Unconsolidated	15.0	25.0	25.3	2.66	28.0	28.19	-0.19	Hard
	EBGmw-129	2379240.52	572035.68	941.97	29.0	944.36	A	Unconsolidated	16.0	26.0	26.0	2.39	28.4	30.90	-2.50	Hard
	EBGmw-130	2379220.69	570695.61	941.18	26.0	944.00	A	Unconsolidated	15.2	25.2	25.5	2.82	28.3	28.38	-0.08	Hard
Fuze and Booster Quarry	FBQmw-166	2349584.33	553123.86	1,104.87	16.0	1,108.86	A	Unconsolidated	5.5	15.5	15.5	3.99	19.5	19.69	-0.19	Hard
	FBQmw-167	2349675.45	553556.12	1,112.05	18.0	1,115.90	A	Unconsolidated	5.0	15.0	15.0	3.85	18.9	18.95	-0.05	Hard
	FBQmw-168	2350066.87	553620.85	1,131.27	19.5	1,133.91	A	Homewood	9.0	19.0	19.0	2.64	21.6	21.21	0.39	Hard
	FBQmw-169	2349730.90	553681.21	1,117.36	16.0	1,120.58	A	Homewood	5.0	15.0	15.0	3.22	18.2	18.05	0.15	Hard
	FBQmw-170	2350102.41	553975.40	1,139.67	30.5	1,142.26	A	Homewood	20.0	30.0	30.0	2.59	32.6	32.66	-0.06	Hard
	FBQmw-171	2350072.44	554230.93	1,140.49	30.0	1,143.55	A	Homewood	18.0	28.0	28.0	3.06	31.1	31.38	-0.28	Hard
	FBQmw-172	2349907.37	554322.17	1,145.71	33.0	1,150.09	A	Homewood	20.0	30.0	30.0	4.38	34.4	34.36	0.04	Medium
	FBQmw-173	2350449.01	554491.35	1,162.43	50.0	1,165.94	A	Homewood	29.5	49.5	49.5	3.51	53.0	52.95	0.05	Medium
	FBQmw-174	2350289.81	554142.44	1,135.78	22.5	1,139.97	A	Homewood	12.0	22.0	22.0	4.19	26.2	22.99	3.21	Soft
	FBQmw-175	2350297.98	553989.24	1,137.16	22.5	1,140.73	A	Homewood	12.0	22.0	22.0	3.57	25.6	25.78	-0.18	Soft
	FBQmw-176	2350219.45	553273.33	1,129.57	21.5	1,131.91	A	Unconsolidated	11.0	21.0	21.0	2.34	23.3	23.60	-0.30	Soft
Landfill North of Winklepeck	LNWmw-024	2358403.21	564825.89	1,035.30	24.0	1,038.00	A	Unconsolidated	10.0	20.0	20.0	2.70	22.7	22.51	0.19	Hard
	LNWmw-025	2358417.06	565071.92	1,027.20	19.0	1,029.13	A	Unconsolidated	8.0	18.0	18.0	1.93	19.9	20.30	-0.40	Hard
	LNWmw-026	2358952.24	564658.16	1,025.00	24.0	1,027.80	A	Unconsolidated	13.0	23.0	23.0	2.80	25.8	25.94	-0.14	Hard
	LNWmw-027	2358628.75	564517.41	1,024.40	25.0	1,027.13	A	Unconsolidated	14.0	24.0	24.0	2.73	26.7	28.85	-2.15	Hard
NACA Test Area	NTAmw-107	2345433.40	551697.29	1,077.65	23.0	1,080.30	A	Unconsolidated	12.0	22.0	22.0	2.65	24.6	24.01	0.59	Soft
	NTAmw-108	2345781.60	551916.22	1,083.22	23.0	1,085.62	A	Unconsolidated	12.0	22.0	22.0	2.40	24.4	24.43	-0.03	Medium
	NTAmw-109	2345997.72	551293.25	1,076.89	19.0	1,079.84	A	Unconsolidated	8.0	18.0	18.0	2.95	20.9	20.88	0.02	Soft
	NTAmw-110	2346438.94	551351.46	1,080.03	28.0	1,082.62	A	Unconsolidated	17.0	27.0	27.0	2.59	29.6	29.74	-0.14	Hard
	NTAmw-111	2346638.01	551538.60	1,078.07	20.0	1,080.94	A	Unconsolidated	9.5	19.5	19.5	2.87	22.4	22.05	0.35	Hard
	NTAmw-112	2346889.48	551712.14	1,075.36	23.9	1,078.33	A	Unconsolidated	13.9	23.9	23.9	2.97	26.9	26.60	0.30	Hard
	NTAmw-113	2347082.83	551488.52	1,072.61	27.5	1,075.68	A	Unconsolidated	17.0	27.0	27.5	3.07	30.6	29.60	1.00	Hard
	NTAmw-114	2347301.57	551592.94	1,075.61	20.0	1,078.71	A	Unconsolidated	9.5	19.5	19.5	3.10	22.6	22.75	-0.15	Hard
	NTAmw-115	2347581.16	551791.78	1,086.91	24.0	1,089.65	A	Unconsolidated	12.5	22.5	22.5	2.74	25.2	25.25	-0.05	Hard
	NTAmw-116	2348196.39	551748.00	1,091.68	22.0	1,094.33	A	Unconsolidated	10.0	20.0	20.0	2.65	22.6	22.55	0.05	Hard
	NTAmw-117	2347994.83	551584.57	1,091.67	25.0	1,094.54	A	Unconsolidated	14.5	24.5	24.5	2.87	27.4	27.49	-0.09	Hard
	NTAmw-118	2347609.41	551335.04	1,078.86	22.5	1,081.44	A	Unconsolidated	12.0	22.0	22.0	2.58	24.6	24.69	-0.09	Hard

Table 3-2. Well Construction Details, Including January 2010 Depth to Bottom Measurements

RVAAP Area	Well ID	Ohio State Plane Easting	Ohio State Plane Northing	Ground Level Elevation ^a	Total Drilled Depth ^b	TOC Elevation ^a	Well Head Type ^c	Monitored Zone	Top of Screen (ft, BGS)	Bottom of Screen (ft, BGS)	Bottom of Inner Casing Plug or End Cap (ft, BGS)	Stickup height (ft, AGS)	Reported Bottom of Inner Casing (ft, BTOC)	Jan 2010 Measured Bottom of Inner Casing (ft, BTOC)	Sediment Accumulation (ft)	Description of Bottom
Ramsdell Quarry Landfill	RQLmw-006	2375927.71	566091.26	993.52	42.1	995.39	A	Sharon	19.4	39.4	39.6	1.87	41.4	41.96	-0.56	Hard
	RQLmw-007	2375872.56	566544.36	963.86	18.7	965.91	A	Sharon	6.0	16.0	16.2	2.05	18.2	18.56	-0.36	Hard
	RQLmw-008	2376011.08	566327.94	963.82	18.7	966.08	A	Sharon	6.0	16.0	16.2	2.26	18.5	18.60	-0.10	Hard
	RQLmw-009	2376253.65	566351.20	962.60	18.8	964.58	A	Sharon	5.9	15.9	16.4	1.98	18.4	18.76	-0.36	Hard
	RQLmw-010	2376048.58	566857.39	980.04	35.4	982.14	A	Sharon	12.5	32.5	33.0	2.10	35.1	35.25	-0.15	Hard
	RQLmw-011	2376398.19	566819.66	974.60	35.4	976.57	A	Sharon	12.4	32.4	32.6	1.97	34.6	35.29	-0.69	Hard
	RQLmw-012	2376558.19	566551.95	975.12	30.5	977.65	A	Sharon	19.8	29.8	30.0	2.53	32.5	32.60	-0.10	Hard
	RQLmw-013	2376204.93	566928.09	978.04	34.4	980.71	A	Sharon	23.7	33.7	33.9	2.67	36.6	36.40	0.20	Soft
	RQLmw-014	2376519.38	566941.29	970.83	29.4	973.49	A	Sharon	18.6	28.6	28.9	2.66	31.6	31.48	0.12	Hard
	RQLmw-015	2375490.96	566560.90	989.19	40.1	991.26	A	Sharon	29.2	39.2	39.5	2.07	41.6	41.96	-0.36	Hard
	RQLmw-016	2375649.55	566177.68	994.02	39.5	996.60	A	Sharon	28.5	38.5	39.0	2.58	41.6	41.63	-0.03	Hard
	RQLmw-017	2376124.18	565931.38	988.69	30.5	991.23	A	Sharon	19.8	29.8	30.0	2.54	32.5	32.84	-0.34	Hard
Winklepeck Burning Grounds	WBGmw-005	2357163.55	563037.18	1,052.20	19.0	1,054.70	A	Unconsolidated	8.3	18.3	18.6	2.50	21.1	21.25	-0.15	Hard
	WBGmw-006	2359087.79	563008.87	1,012.16	19.0	1,014.66	A	Unconsolidated	7.6	17.6	17.9	2.50	20.4	20.14	0.26	Hard
	WBGmw-007	2360420.44	562479.87	998.09	24.0	1,000.59	A	Unconsolidated	13.5	23.5	23.8	2.50	26.3	26.52	-0.22	Hard
	WBGmw-008	2359700.57	562010.35	1,005.71	18.5	1,008.21	A	Unconsolidated	8.1	18.2	18.5	2.50	21.0	20.95	0.05	Hard
	WBGmw-009	2357159.20	561603.54	1,045.03	24.0	1,047.53	A	Unconsolidated	11.4	21.4	21.5	2.50	24.0	24.41	-0.41	Hard
	WBGmw-010	2356051.96	562893.20	1,067.10	21.0	1,069.85	A	Unconsolidated	10.5	20.5	20.8	2.75	23.6	23.45	0.15	Soft
	WBGmw-011	2356187.29	562609.18	1,069.70	22.0	1,072.38	A	Unconsolidated	11.0	21.0	21.3	2.68	24.0	23.99	0.01	Soft
	WBGmw-012	2354810.65	562240.90	1,076.50	30.0	1,079.11	A	Unconsolidated	19.0	29.0	29.4	2.61	32.0	31.75	0.25	Hard
	WBGmw-013	2355223.25	561518.27	1,069.10	22.0	1,071.70	A	Unconsolidated	11.0	21.0	21.3	2.60	23.9	24.15	-0.25	Soft
	WBGmw-014	2360439.22	562061.26	994.10	23.0	996.78	A	Unconsolidated	12.0	22.0	22.3	2.68	25.0	25.13	-0.13	Soft
	WBGmw-015	2359182.41	562340.12	1,009.10	22.0	1,011.60	A	Unconsolidated	11.0	21.0	21.3	2.50	23.8	23.65	0.15	Hard
	WBGmw-016	2360645.88	562709.13	994.90	24.0	997.03	A	Unconsolidated	13.0	23.0	23.3	2.13	25.4	25.35	0.05	Soft
	WBGmw-017	2359603.84	562913.24	1,004.00	22.0	1,006.62	A	Unconsolidated	11.0	21.0	21.3	2.62	23.9	23.64	0.26	Soft
Suspected Mustard Agent Burial Site	MBS-001	2345323.00	550759.50	1,079.68	30.0	1,082.20	A	Unconsolidated	19	28.7	29	2.52	31.5	30.98	0.52	Hard
	MBS-002	2345322.30	550886.20	1,080.50	30.0	1,083.22	A	Unconsolidated	18	27.3	28	2.72	30.7	31.13	-0.43	Hard
	MBS-003	2345172.40	550922.80	1,082.45	30.0	1,084.45	A	Unconsolidated	18.5	28.2	28.5	2.00	30.5	30.70	-0.20	Hard
	MBS-004	2345134.20	550767.90	1,079.55	26.0	1,081.80	A	Unconsolidated	14.7	24.4	24.7	2.25	27.0	27.16	-0.16	Hard
	MBS-005	2345354.10	550800.70	1,080.50	30.0	1,082.42	A	Unconsolidated	18	28	28.08	1.92	30.2	30.00	0.20	Soft
	MBS-006	2345282.30	550726.10	1,080.29	28.0	1,081.83	A	Unconsolidated	16.5	26.5	26.56	1.54	28.2	28.10	0.10	Medium

a elevations are in feet above mean sea level (amsl)
b total drilled well borehole depth relative to ground surface.
c A = above grade completion; F = flush-mount completion
NA = Not available
AGS = above ground surface
BGS = below ground surface
BTOC = below top of casing

1 west to east across RVAAP; with a maximum measured elevation of 1,140.72 ft above
2 mean sea level (amsl) at well BKGmw-005 in the northwest portion of the facility and a
3 minimum measured elevation of 932.47 ft amsl southeast of Load Line 1 (well LL1mw-
4 065). At the watershed scale (e.g., Hinkley Creek, Sand Creek, and Eagle
5 Creek), groundwater flow patterns are influenced by topography and the drainage patterns
6 of the streams. The influence of surface topography on groundwater flow is especially
7 observed within the Hinkley Creek watershed (e.g., NACA Test Area, Suspected Mustard
8 Agent Burial Site, and Demolition Area 1 vicinity) where groundwater flow is toward the
9 southwestern RVAAP boundary.

10
11 Plate 3 represents facility-wide groundwater flow in wells completed into bedrock. Pre-
12 glacial erosion has resulted in bedrock highs (i.e., islands) surrounded and topped by
13 glacial and recent deposits (i.e., unconsolidated aquifer). At least three such islands have
14 been interpreted to exist at RVAAP. Two are topped by the Homewood Member and one
15 by the Sharon Member. These islands may not be in hydraulic communication with each
16 other but there is hydraulic communication with the unconsolidated aquifer. Plate 3
17 illustrates that groundwater in bedrock of the Sharon Member flows radially outward
18 from bedrock into the surrounding unconsolidated aquifer. The potentiometric high is
19 located beneath Load Line 2. Plate 3 indicates that groundwater in bedrock of the
20 Homewood Member flows through these bedrock islands from and to the unconsolidated
21 aquifer. Groundwater flow of the Homewood member is to the southeast toward the
22 Michael J. Kerwin Reservoir on the Mahoning River, which is a regional hydraulic sink.

23
24 Table 3-3 presents the water-level elevations taken between the October 2009 and July
25 2010 quarterly sampling events for all wells that have been sampled as a part of the
26 FWGWMP.

27
28 To determine if groundwater elevations of Sharon Conglomerate wells (as determined in
29 January 2010) are representative of the Sharon or Homewood Aquifers, the groundwater
30 elevation data are compared as indicated on Table 3-4.

31
32 As the table indicates the groundwater elevation of water in the Homewood Aquifer (well
33 LL10mw-003) is more than 78 feet higher than the Sharon Conglomerate well (well
34 SCFmw-1). This demonstrates that the Homewood Aquifer and Sharon Conglomerate
35 are not representative of the same hydraulic unit. If in the same hydraulic unit, the water
36 levels would be expected to be much the same.

37
38 There are five Sharon Conglomerate wells that are located through the Sharon
39 (Sandstone) Aquifer. The groundwater elevations of the five Sharon Aquifer wells are
40 1.28 to 24.57 feet higher than the Sharon Conglomerate groundwater elevations at the
41 same locations. The average elevation difference is over 9 feet. Again this groundwater
42 elevation difference indicates that the Sharon Conglomerate and the Sharon Aquifer are
43 not the same hydraulic unit.

44
45 It should be noted that the groundwater elevations from the deep wells are used for
46 purging and sampling purposes and not necessarily for deep aquifer flow direction,

Table 3-3 Groundwater Elevations

Well	Monitoring Zone	Top of Casing (TOC) Elevation ^a (ft)	2009 4th Quarter Groundwater Elevation (Oct/2009) (ft)	2010 1st Quarter Groundwater Elevation (Jan/2010) (ft)	2010 Quarterly Groundwater Elevation (Jul/2010) (ft)
LL1mw-064	Unconsolidated	935.1	NM	NM	932.61
LL1mw-065	Unconsolidated	944.41	NM	NM	931.62
LL1mw-067	Sharon	980.36	NM	NM	960.66
LL1mw-078	Sharon	995.84	NM	NM	962.60
LL1mw-080	Sharon	996.27	NM	NM	984.31
LL1mw-081	Sharon	998.92	NM	NM	968.48
LL1mw-082	Sharon	1006.45	NM	NM	977.76
LL1mw-083	Sharon	995.2	NM	NM	961.29
LL1mw-084	Sharon	998.73	NM	NM	969.30
LL1mw-085	Sharon	996.84	NM	NM	960.51
Loadline 2					
LL2mw-059	Sharon	966.67	NM	NM	952.74
LL2mw-060	Sharon	961.57	NM	NM	950.66
LL2mw-261	Sharon	1,011.40	NM	NM	1004.07
LL2mw-262	Sharon	1,012.62	NM	NM	1,003.71
LL2mw-263	Sharon	1,011.47	NM	NM	1,002.16
LL2mw-265	Sharon	961.24	NM	NM	950.70
LL2mw-266	Sharon	1,016.28	NM	NM	1,003.89
LL2mw-267	Sharon	1,014.81	NM	NM	1,004.43
LL2mw-269	Sharon	1,011.62	NM	NM	994.07
LL2mw-270	Sharon	1,010.18	NM	NM	1000.47
Loadline 3					
LL3mw-232	Sharon	1,000.41	NM	NM	980.88
LL3mw-234	Sharon	1,006.56	NM	NM	995.87
LL3mw-235	Sharon	1,009.94	NM	989.89	NM
LL3mw-236	Sharon	1,011.17	NM	NM	994.73
LL3mw-239	Sharon	1,003.50	NM	NM	978.28
Loadline 4					
LL4mw-196	Unconsolidated	984.55	NM	NM	970.77
LL4mw-197	Unconsolidated	985.46	NM	NM	970.72
Loadline 6					
LL6mw-005	Homewood	1120.47	1,106.67	NM	NM
LL6mw-006	Unconsolidated	1124.37	1,107.58	NM	NM
LL6mw-007	Homewood	1115.62	1,105.85	NM	NM
Loadline 7					
LL7mw-001	Homewood	1129.64	1,105.91	NM	NM
LL7mw-002	Homewood	1129.55	1,110.02	NM	NM
LL7mw-003	Homewood	1120.84	1,107.19	NM	NM
LL7mw-004	Homewood	1126.32	1,109.21	NM	NM
LL7mw-005	Homewood	1135.87	1,111.68	NM	NM
LL7mw-006	Homewood	1123.56	1,110.07	NM	NM
Loadline 8					
LL8mw-001	Unconsolidated	1121.46	1,107.26	NM	NM
LL8mw-002	Unconsolidated	1124.51	1,102.80	NM	NM
LL8mw-003	Unconsolidated	1119.05	1,103.11	NM	NM
LL8mw-004	Unconsolidated	1115.75	1,101.33	NM	NM
LL8mw-005	Homewood	1115.73	1,099.63	NM	NM
LL8mw-006	Homewood	1117.17	1,095.56	NM	NM
Loadline 9					
LL9mw-001	Homewood	1134.62	1,117.30	NM	NM
LL9mw-002	Homewood	1127.30	1,110.55	NM	NM
LL9mw-003	Homewood	1135.76	1,119.27	NM	NM
LL9mw-004	Homewood	1131.83	1,108.88	NM	NM
LL9mw-005	Homewood	1130.93	1,112.13	NM	NM
LL9mw-006	Homewood	1129.88	1,108.25	NM	NM
LL9mw-007	Homewood	1119.99	1,108.31	NM	NM
Loadline 10					
LL10mw-001	Homewood	1132.77	1,106.42	NM	NM
LL10mw-002	Homewood	1127.13	1,107.59	NM	NM
LL10mw-003	Homewood	1130.28	1,108.58	NM	NM
LL10mw-004	Homewood	1122.39	1,106.90	NM	NM
LL10mw-005	Homewood	1125.67	1,107.85	NM	NM
LL10mw-006	Unconsolidated	1123.83	1,108.63	NM	NM

Table 3-3 Groundwater Elevations

Well	Monitoring Zone	Top of Casing (TOC) Elevation ^a (ft)	2009 4th Quarter Groundwater Elevation (Oct/2009) (ft)	2010 1st Quarter Groundwater Elevation (Jan/2010) (ft)	2010 Quarterly Groundwater Elevation (Jul/2010) (ft)
Loadline 11					
LL11mw-001	Unconsolidated	1100.16	1,088.45	NM	NM
LL11mw-003	Unconsolidated	1088.48	1,085.56	NM	NM
LL11mw-004	Unconsolidated	1084.72	1,081.94	NM	NM
LL11mw-005	Unconsolidated	1079.40	1,068.42	NM	NM
LL11mw-006	Unconsolidated	1086.50	1,079.92	NM	NM
LL11mw-008	Unconsolidated	1087.74	1083.49	NM	NM
LL11mw-009	Unconsolidated	1091.54	1,086.83	1,089.44	NM
LL11mw-010	Unconsolidated	1082.68	1,076.38	NM	NM
Loadline 12					
LL12mw-088	Unconsolidated	981.06	NM	NM	974.64
LL12mw-107	Unconsolidated	980.15	NM	NM	971.26
LL12mw-113	Sharon Shale	980.18	NM	NM	973.47
LL12mw-128	Unconsolidated	978.24	NM	NM	968.50
LL12mw-153	Unconsolidated	977.85	NM	NM	971.85
LL12mw-154	Unconsolidated	979.06	NM	NM	970.35
LL12mw-182	Unconsolidated	984.42	NM	NM	974.44
LL12mw-183	Sharon Shale	982.98	NM	NM	970.80
LL12mw-184	Unconsolidated	983.16	NM	NM	970.80
LL12mw-185	Unconsolidated	981.31	NM	NM	974.36
LL12mw-186	Sharon Shale	978.31	NM	NM	971.06
LL12mw-187	Unconsolidated	979.94	NM	NM	970.29
LL12mw-188	Unconsolidated	980.63	NM	NM	974.94
LL12mw-189	Sharon Shale	978.04	NM	NM	971.84
LL12mw-242	Unconsolidated	981.20	NM	NM	971.95
LL12mw-243	Unconsolidated	980.79	NM	NM	972.29
LL12mw-244	Unconsolidated	980.65	NM	NM	970.40
LL12mw-245	Unconsolidated	980.04	NM	NM	972.40
LL12mw-246	Unconsolidated	984.83	NM	NM	968.49
Atlas Scrap Yard					
ASYmw-001	Sharon	981.13	967.29	967.99	NM
ASYmw-002	Sharon	985.24	968.78	968.27	NM
ASYmw-003	Sharon	982.21	957.46	968.03	NM
ASYmw-004	Sharon	979.66	967.73	969.20	NM
ASYmw-005	Sharon	979.8	968.75	971.29	NM
ASYmw-006	Sharon	983.01	967.47	967.72	NM
ASYmw-007	Unconsolidated	984.16	967.92	967.80	NM
ASYmw-008	Unconsolidated	978.85	972.24	973.63	NM
ASYmw-009	Sharon	982.7	968.31	968.84	NM
ASYmw-010	Unconsolidated	981.05	967.25	967.54	NM
Building 1200					
B12mw-012	Unconsolidated	1,006.32	985.57	NM	NM
Detonation Area 2					
DETmw-003	Unconsolidated	1036.81	1,027.03	NM	NM
DETmw-004	Unconsolidated	1038.68	1,027.71	NM	NM
Ramsdell Quarry					
RQLmw-007	Sharon	965.91	955.15	NM	NM
RQLmw-008	Sharon	966.08	955.68	NM	NM
RQLmw-009	Sharon	964.58	955.13	NM	NM
Sharon Conglomerate					
SCFmw-001	Sharon Conglomerate	1120.71	1,027.01	1,030.94	1,031.65
SCFmw-002	Sharon Conglomerate	984.56	963.38	964.17	965.39
SCFmw-003	Sharon Conglomerate	958.47	948.42	948.98	949.68
SCFmw-004	Sharon Conglomerate	944.17	942.47	943.47	943.46
SCFmw-005	Sharon Conglomerate	960.8	947.55	947.85	949.32
SCFmw-006	Sharon Conglomerate	965.92	946.98	947.43	957.92

^a = Elevations are in feet above mean sea level (amsl)

NM = New wells added to the sampling schedule, not measured in all quarter:

however a separate potentiometric map has been produced to show flow direction for the deep wells. This potentiometric map for the Sharon Conglomerate wells is included as Plate 4.

Table 3.4 Comparison of Groundwater Elevation, Sharon Conglomerate and Sharon and Homewood Aquifers

Well ID	Monitored Zone Groundwater Elevation (ft, msl)			Difference (ft)
	Sharon Conglomerate	Sharon Sandstone	Homewood	
SCFmw-1	1030.94	-	1109.29	+ 78.35
SCFmw-2	964.16	969.20	-	+ 5.04
SCFmw-3	948.98	950.26	-	+ 1.28
SCFmw-4	943.47	955.00 *	-	+ 11.53
SCFmw-5	947.85	952.52	-	+ 4.67
SCFmw-6	947.43	972.00 *	-	+ 24.57

All water-level elevations (ft, msl) are January 2010. Sharon Sandstone and Homewood water-level elevations are nearest well to physical location of Sharon Conglomerate Well except as noted (*). Elevation is from potentiometric map (Plate 3).

" + " indicates that Sharon Sandstone or Homewood elevation is higher

3.2 Monitoring Well Inspection/Repair Results

3.2.1 Inspection Results – January 2010

All Facility-Wide Groundwater Monitoring Program (FWGWMP) monitoring wells at RVAAP were inspected during the period January 18-20, 2010. Inspection of the physical condition of all existing facility monitoring wells was conducted at the same time potentiometric surface measurements were collected. The well inspection survey consisted of the following elements:

- Following collection of water level measurements at each well, the total depth of each monitoring well was sounded using the water level indicator. This data allows a determination of the degree of siltation and comparison of the constructed depths recorded in the well construction logs.
- Visual examination of the condition of the above-ground components of each well was performed. The examination included the condition of access roads to the well, well identification tags or markings, protective casing condition, traffic guard posts, protective covers and locks, protective pads, weep holes, and watertight inner casing caps.

- Recording of well inspection data and any maintenance needs were done using a well inspection/maintenance checklist.

The well inspections did not reveal irreparable damage to any specific monitoring wells. General well conditions include:

- Many of the outer well casings and guard posts are showing signs of rust and peeling paint. The following areas had a majority of the wells in need of painting:
 - Background Wells
 - LL's 5, 6, 7, 8, 9, 10
 - Atlas Scrap Yard
 - C-Block
 - Detonation Area 2
 - Landfill North of Winklepeck
 - NACA Test Area

Additionally several of the wells were identified as needing to have the well identification numbers reapplied due to weathering of the paint.

- All of the FWGWMP wells should be considered for repainting within the next 2 years. It should be noted that while a majority of the wells will require repainting the most recent inspection (January 2010) revealed no issues related to the paint that would affect the integrity of the wells (i.e. excessive rusting of the outer casing). It is suggested that repainting of the wells be delayed until the current monitoring regimen is completed. At that time it is anticipated that decisions may be made to close certain wells not used for long-term monitoring. Only wells used for continued monitoring would then be repainted.
- The vegetation around the wells was cleared in late June early July of 2009 [the Winklepeck Burning Ground wells were not cleared of vegetation at the request of the USACE, and the immediate (<3-foot area only) around the Demolition 2 Area wells were cleared]. Access roads were passable from a vegetation standpoint, however there was considerable snow (>1-foot) on the ground during the inspection period.
- At many of the wells (e.g., BKG 20, Central Burn Pit wells, Building 1200 wells, and Winklepeck Burning Ground wells) the guard posts were missing the concrete plugs at the top of the post. This does not appear to affect the integrity or life of the posts. Additionally as presented in the attached Table 1 several well posts were loose or leaning although stable.
- Overall the locks associated with the wells were in good condition with the few exceptions noted on the attached table. Lock caps on some of the wells were missing. The lock cap is the small rubber covering at the bottom of the lock over the locking mechanism where the key is inserted. Over time some of these covers have been broken off. There is no way to replace the cover without replacing the lock. There is no structural or operating damage to the locks without covers.

Since there is no damage to the lock as a result of the missing lock caps no action is planned at this time to replace the missing lock caps. The working condition of all locks at the facility is closely monitored and any locks not in good working condition will be replaced.

- As detailed in Table 3-5 several wells had pads that were either cracked or had stability issues (wobbling). The integrity of the wells did not appear to be compromised however replacement of several of the concrete pads is recommended.

Table 3-5 presents a list of specific wells that had conditions potentially requiring attention.

3.2.2 Well Repair and Maintenance - 2010

The following well maintenance/repair activities were conducted during 2010 based on the January 2010 well inspections:

- Locks for several wells were replaced because they were becoming difficult to open.
- Well caps for several of the wells were replaced.
- Cracks in the pad at LL8mw-006, LL10mw-006 were repaired using caulk. Commercial concrete patch and crack sealer were applied to seal the cracks and prevent further deterioration. It should be noted that these pads had originally been identified on Table 3-5 for replacement. However during the maintenance activities conducted it was noted that although cracked, the pads are still stable and the integrity of the well casing was not compromised. Therefore it was decided to seal the cracks and re-inspect the pads in the spring of 2011.
- The top of the outer casing at RQLmw-006, was replaced with a new square top. The original top had become rusted and the hinge was broken. The top of the outer casing for BKGmw-021 was had also been identified for replacement however it was found to be rusted but functional. Therefore no action was taken.
- Soil has eroded away at the concrete pads surrounding several of the wells other pads were wobbly. The pads at RQLmw-011 and CPMw-002 were stabilized using a combination of gravel, concrete and soil.
- Several wells had the seal around the outer casing and the pad repaired by sealing with silicone caulk.
- Two of the flush mount wells were missing bolts for the outer casing. New bolts were installed at CPMw-001 LL6mw-006, and LL6mw-007.

Table 3-5. Well Inspection Summary (January 2010)

Area	Well Number	Well Condition/Issue	Recommendation
Background	BKGmw-004	Lock cap is missing.	Lock is in good working condition. No action at this time.
	BKGmw-012	Lock cap is missing.	Lock is in good working condition. No action at this time.
	BKGmw-016	Well cap is hard to close - no seal.	Replace well cap.
	BKGmw-015	1. Seal around outer casing is cracked. 2. Lock cap is missing	1. Repair cracked seal with silicone caulking. 2. Lock is in good working condition. No action at this time.
	BKGmw-019	1. One of guard posts is leaning, but secure. 2. Outer casing is badly corroded but still structurally sound.	1. No action at this time. Monitor guard post in future inspections. 2. Monitor during future inspections.
	BKGmw-021	Hinge on the top of the outer casing is badly corroded.	Replace top of outer casing.
Load Line 1	LL1mw-084	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LL1mw-080	Lock cap is missing.	Lock is in good working condition. No action at this time.
Load Line 3	LL3mw-233	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LL3mw-238	Lock cap is missing.	Lock is in good working condition. No action at this time.
Load Line 5	LL5mw-003	Lock cap is missing.	Lock is in good working condition. No action at this time.
Load Line 6	LL6mw-003	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LL6mw-004	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LL6mw-006	1. Flush mount well - one of the bolts to the casing lid is missing. 2. Well number on casing has chipped away.	1. Install new bolt in lid. 2. Repaint well number on the post.
	LL6mw-007	Flush mount well - one of the bolts to the casing lid is missing.	Install new bolt in lid.
Load Line 8	LL8mw-003	The steel outer casing is dented but does not appear to be damaged. One of the guard posts has damaged concrete. The concrete is cracked and wobbles but is still stable.	There does not appear to be any structural damage to the inner casing or well - no action at this time.
Load Line 8	LL8mw-005	Concrete around one of the guard posts is broken. Post is stable.	Monitor post during subsequent inspections.
	LL8mw0006	Concrete pad is cracked. Pad was repaired in 2009 but has cracked again.	Replace concrete pad.
Load Line 9	LL9mw-001	No Packing (sand) between inner and outer casings.	Replace the packing.
Load Line 10	LL10mw-006	Concrete pad cracked.	Replace concrete pad.
Load Line 11	LL11mw-004	No lock on well - flush mount.	Install new lock.
	LL11mw-007	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LL11mw-010	Lock cap is missing.	Lock is in good working condition. No action at this time.

Table 3-5. Well Inspection Summary (January 2010)

Area	Well Number	Well Condition/Issue	Recommendation
Load Line 12	LL12mw-246	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LL12mw-186	Lock cap is missing.	Lock is in good working condition. No action at this time.
Building 1200	B12mw-012	Well number number on casing has chipped away.	Repaint well number on the well casing.
C-Block	CBLmw-004	Concrete pad is spalling.	Monitor at future inspections for further signs of deterioration.
Central Burn Pits	CBPmw-001	No Packing (sand) between inner and outer casings.	Replace the packing.
	CBPmw-002	1. No Packing (sand) between inner and outer casings. 2. Lock cap is missing	1. Replace the packing. 2. Lock is in good working condition. No action at this time.
	CBPmw-003	Well cap is hard to open.	Replace well cap
	CBPmw-004	No Packing (sand) between inner and outer casings.	Replace the packing.
	CBPmw-005	Lock cap is missing.	Lock is in good working condition. No action at this time.
	CBPmw-008	No Packing (sand) between inner and outer casings.	Replace the packing.
	CPmw-001	1. Flush mount well - one of the bolts to the casing lid is missing. 2. No lock.	1. Install new bolt in lid. 2. Replace lock.
Cobbs Pond	CPmw-002	Concrete pad is not secure (wobbles).	Stabilize pad using bentonite/gravel/concrete as necessary.
	CPmw-003	1. Flush mount well - one of the bolts to the casing lid is missing. 2. No lock.	1. Install new bolt in lid. 2. Replace lock.
	CPmw-005	Soil is eroded away from the concrete pad. Pad is stable at this time.	Monitor pad during future inspections for signs of instability.
	CPmw-006	Lock cap is missing.	Lock is in good working condition. No action at this time.
Detonation Area 2	DA2mw-104	Lock cap is missing.	Lock is in good working condition. No action at this time.
	DA2mw-110	Lock cap is missing.	Lock is in good working condition. No action at this time.
	DA2mw-112	Well number number on casing has chipped away.	Repaint well number on the well casing.
Erie Burning Grounds	EBGmw-126	This well is consistently under water due to low topography and marshy conditions. The integrity of the pad and casing do not appear to be compromised.	Monitor the water during subsequent inspections for signs of deterioration of the pad. Additionally, monitor water levels inside the casing for evidence of infiltration of surface water.
Atlas Scrap Yard	ASYmw-004	Lock cap is missing.	Lock is in good working condition. No action at this time.
Fuze and Booster Quarry	FBQmw-167	Well number on casing has chipped away.	Repaint well number on the well casing.
	FBQmw-176	Concrete around one of the guard posts is broken. Post is stable.	Monitor post during subsequent inspections.

Table 3-5. Well Inspection Summary (January 2010)

Area	Well Number	Well Condition/Issue	Recommendation
Winklepeck Burning Grounds	WBGmw-006	Lock cap is missing.	Lock is in good working condition. No action at this time.
	WBGmw-012	One of the guard posts is leaning and appears to have been hit.	Post is secure. Monitor during future inspections.
Landfill North of Winklepeck	LNWmw-024	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LNWmw-025	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LNWmw-026	Lock cap is missing.	Lock is in good working condition. No action at this time.
	LNWmw-027	Lock cap is missing.	Lock is in good working condition. No action at this time.
Ramsdell Quarry Landfill	RQLmw-007	Lock cap is missing.	Lock is in good working condition. No action at this time.
	RQLmw-006	1. Lock cap is missing. 2. Hinge on the top of the outer casing is corroded.	1. Lock is in good working condition. No action at this time. 2. Replace top of outer casing.
	RQLmw-008	Seal around outer casing is cracked.	Repair cracked seal with silicone caulking.
	RQLmw-009	1. Seal around outer casing is cracked. 2. Well number on casing has chipped away. 3. Lock cap is missing.	1. Repair cracked seal with silicone caulking. 2. Repaint well number on the well casing. 3. Lock is in good working condition. No action at this time.
	RQLmw-011	Pad is "wobbly" evidence of some soil erosion around pad.	Stabilize pad using bentonite/gravel/concrete as necessary.
	RQLmw-012	Lock cap is missing.	Lock is in good working condition. No action at this time.
Mustard Agent Burial Site	MBSmw-001	This well is consistently under water due to low topography and marshy conditions. The integrity of the pad and casing do not appear to be compromised.	Monitor the water during subsequent inspections for signs of deterioration of the pad. Additionally, monitor water levels inside the casing for evidence of infiltration of surface water.
	MBSmw-002	This well was under water during the January 2010 inspection. It is not usually under water. The integrity of the pad and casing do not appear to be compromised.	Monitor the water during subsequent inspections for signs of deterioration of the pad. Additionally, monitor water levels inside the casing for evidence of infiltration of surface water.

- The numbers painted on the wells were reapplied at RQLmw-009, FBQmw-167, B12mw-012, and LL6mw-006.
- The sand packing between the inner and outer casing was replaced at LL9mw-001, CBPmw-001, CBPmw-002, CBPmw-004, and CBPmw-008
- The pads at three wells have been noted as being consistently under water. These wells (EBGmw-126, MBSmw-001, and MBSmw-002) are monitored for signs of deterioration. The pads for the wells that are underwater will be visually inspected during sampling/well inspection events to confirm that they are still intact and that the integrity of the wells is not compromised. Additionally, the water levels in the well will be closely monitored. If the water levels are found to be at ground surface it may be indicative of water entering the casing. Currently the water levels in these wells range between 2- and 7-feet below ground surface. It should also be noted that neither of these wells are flush-mounts, and the risers are well above the water level.

3.3 Sedimentation/Turbidity and Redevelopment of Wells - 2010

EQM has reviewed the historical sediment accumulation footages and the description of bottom for the wells currently being sampled. The majority of wells at RVAAP indicate a <0.20-foot accumulation of sediment with a hard well bottom indicated. However, some wells indicated a >0.20-foot of sediment accumulation and/or soft well bottoms. Based on this evaluation a number of wells were identified for redevelopment. There were two different redevelopment events during 2010 – one in July and one in October. Redevelopment activities included surging and pumping using a surge block, and a centrifugal and/or submersible pump. This was performed to remove fines accumulating as sediment in the bottom well cap. Each well was developed by at least two methods (surge and pump) with the attempt to reach stability of hydraulic conditions according to the *Technical Guidance Manual for Hydraulic Investigations and Groundwater Monitoring OEPA*, February 1995.

It should be noted that in order to minimize turbid samples, low flow purging and sampling techniques are used. The pumps are suspended at least one foot above the bottom of the well to avoid agitation of the sediment potentially accumulating in the well sump. EQM will continue to monitor any high turbidity readings and make a determination for future redevelopment and other evaluation of any affected wells.

3.3.1 July 2010 Redevelopment

The following wells were redeveloped during the during the July 2010 timeframe:

LL12mw-113	LL12mw-245	LL12mw-186
LL12mw-243		LL12mw-244

The results of the redevelopment activities are presented in Table 3-6. The wells never visibly cleared or had turbidity readings less than 999 ntu. However the sediment levels in the wells were reduced such that the well depths were restored to the reported construction depths. The problem of high turbidity is an ongoing issue at Load Line 12. Several of the wells have been redeveloped more than once. While the wells continue to exhibit high turbidity even after redevelopment it should be noted that high turbidity readings are not necessarily an indicator of nonrepresentative (i.e., formation) groundwater as stated in the Ohio EPA Technical Guidance Manual for groundwater *“Turbidity, which is the visible presence of suspended mineral and organic particles in a ground water sample, also is not an indicator of ground water chemical stabilization and does not distinguish between stagnant casing water and formation water.”*

3.3.2 October 2010 Redevelopment

During the October 2010 timeframe the following wells were redeveloped:

LL4mw-198	LL11mw-001
CBLmw-001	CBLmw-003
CBPmw-001	CBPmw-007
FBQmw-174	NACAmw-113
DETMw-001	DA2mw-106
ASYmw-008	

The results of the redevelopment activities are presented in Table 3-6. The following summarizes the results of the redevelopment activities:

- Five wells were redeveloped to remove significant (>0.10 feet) of sediment from the bottom of the wells. Of these two of them were redeveloped to depths equal to or greater than the reported construction depth (LL4mw-198 and CBPmw-001). The other wells (LL11mw-001, CBPmw-007, and ASYmw-008) were redeveloped and reported to have a hard bottoms, but the current (post redevelopment) depth of these wells were all shallower than the reported construction depth. Based on the redevelopment activities conducted and the presence of hard well bottoms following redevelopment EQM believes there is no significant sediment accumulation in these wells.
- Five of the wells (C-Blockmw-003, FBQmw-174, NACAmw-113, ASYmw-008, DETmw-001, DA2mw-106) were redeveloped with no significant change in the well depth measurement, and with reported hard bottoms. These wells were all however 0.48 to 3.15 feet shallower than the reported construction depth. Based on the lack of sediment removed, and the reported hard bottom of the wells, EQM believes there is no significant sediment accumulation in those wells.

Table 3-6 Well Redevelopment**July 2010 Redevelopment Results**

Well ID	Reported Construction Depth (ft)	January 2009 Well Depth Measurement (ft)	January 2010 Well Depth Measurement (ft)	July 2010 Well Depth Measurement Pre-Redevelopment (ft)	July 2010 Well Depth Measurement Post-Redevelopment (ft)	Current Description of Bottom/Comments
LL12mw-113	25.0	19.62	21.42	21.41	25.15	gray silt, high turbidity
LL12mw-186	21.0	20.99	20.68	20.8	21.11	brown then gray silt, pumps dry but fast recharge
LL12mw-243	25.7	24.65	25.38	25.54	25.86	hard, pumps dry, gray silt, high turbidity
LL12mw-244	32.1	29.34	31.94	31.92	32.2	gray silt, high turbidity
LL12mw-245	30.5	29.98	30.15	30.1	30.48	pumps dry, gray silt, high turbidity

October 2010 Redevelopment Results

Well ID	Reported Construction Depth (ft)	January 2009 Well Depth Measurement (ft)	January 2010 Well Depth Measurement (ft)	October 2010 Well Depth Measurement Pre-Redevelopment (ft)	October 2010 Well Depth Measurement Post-Redevelopment (ft)	Current Description of Bottom/Comments
LL4mw-198	22.3	20.72	21.92	22.02	22.36	brown silt, high turbidity, hard bottom
LL11mw-001	24.1	21.45	23.31	23.31	23.43	hard bottom, tan , sandy high turbidity
CBLmw-001	51.6	51.14	51.6	51.14	50.45	soft bottom, purging appeared to be pulling sand into casing - purging discontinued
CBLmw-003	45.8	44.71	44.67	44.86	44.86	water was clear, low turbidity, hard bottom
CBPmw-001	34.9	32.68	34.24	34.16	34.9	water started out turbid, cleared hard bottom
CBPmw-007	32.4	31.74	31.73	31.82	32.01	hard bottom, gray silt initially turned clear/low turbidity
FBQmw-174	26.2	22.84	22.99	23.05	23.05	clear water low turbidity, hard bottom
NACAmw-113	30.1	29.30	29.60	29.60	29.62	water started out turbidity, gray silt, cleared hard bottom
ASYmw-008	27.7	27.49	26.25	26.34	27.32	gray silt, high turbidity, water never cleared, hard bottom
DETMw-001	40.5	38.48	38.5	38.51	38.51	hard bottom, water clear/low turbidity
DA2mw-106	18.1	16.78	16.76	16.78	16.78	hard bottom, water clear/low turbidity

- One well, (C-Blockmw-001) was redeveloped with the result being that the well began to become shallower as the redevelopment activities progressed. It appeared that the well redevelopment was pulling sand into the well casing, therefore redevelopment activities were discontinued. The depth of the well will be monitored during future monitoring events.

3.4 Summary of Groundwater Sampling Results

Section 1.5.1 of this report addresses the wells sampled during this reporting period. The list of FWGWMP wells monitored for the October 2009 through July 2010 events are presented in Appendix B.

3.4.1 October 2009

The October 2009 FWGWMP sampling event was performed between October 12 through 15, 2009. Fifty-one wells, including the 5 RCRA wells, were sampled for this event. The results of this sampling event are reported in the *Facility-Wide Groundwater Monitoring Program, Report on the October 2009 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*, dated April 19 2010 (EQM). The results of this sampling event are summarized in Section 4.0 of this report.

Groundwater pH values of less than 5 have been noted in several wells over the past four sampling events. EQM has reviewed the historical purge records for these wells. The pH readings are presented below for these wells. The low pH in some of the wells could be indicative of groundwater contamination, however a full evaluation of the conditions at these wells will be conducted once all of the wells have been sampled.

pH Levels for Selected Wells

Well ID	January 2009 pH Range	April 2009 pH Range	July 2009 pH Range	October 2009 pH Range
LL11mw-005	5.09 – 5.76	4.91 - 4.97	4.52 – 4.62	5.03 – 5.83
LL6mw-007	7.85 – 8.05	4.12 - 4.13	6.34 – 7.39	6.57 – 6.95
LL9mw-006	4.6 – 5.21	4.73 – 6.61	4.30 – 5.57	4.41 – 4.64
LL7mw-006	5.20 – 5.40	5.37 – 5.60	4.69 – 4.75	5.27 – 5.31
LL9mw-007	4.8 – 5.6	5.74 - 8.31	4.78 – 5.28	5.83 – 5.88
LL9mw-002	4.9 – 5.1	5.0 – 5.05	4.75 – 4.87	5.27 – 5.4

As noted above, there does not seem to be a trend toward decreasing pH levels in these wells. A complete discussion of the pH values can be found in the *Facility-Wide Groundwater Monitoring Program, Report on the October 2009 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*, dated April 2010 (EQM).

1 In conjunction with the October 2009 groundwater monitoring event, metals sampling
2 was conducted at the remaining 186 additional wells at the facility. These wells were
3 each sampled for filtered and unfiltered metals in support of a future geochemical
4 evaluation to be conducted to further evaluate groundwater conditions at the facility. The
5 data collected from this sampling was presented in a separate, stand alone document
6 entitled *Report on the 2009 Metals Sampling Event* and is not discussed in this report.

7 8 **3.4.2 January 2010**

9
10 The January 2010 FWGWMP sampling event was performed on January 20 and 21,
11 2010. Eleven wells were sampled for this event. The results of this sampling event are
12 reported in the *Facility-Wide Groundwater Monitoring Program, Report on the January*
13 *2009 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*, dated July 6
14 2010 (EQM). The results of this sampling event are summarized in Section 4.0 of this
15 report.

16
17 Additionally during this event depth to water from the top of the inner casing was
18 measured in the 237 FWGWMP wells during January 18-20, 2010. Water level
19 measurements were taken with a Herron Dipper-T or Enviro Inspector electronic water-
20 level indicator. The depth to the bottom of the well from the top of the inner casing was
21 also measured with the electronic water level indicator. The results of the well
22 inspections and the associated potentiometric map are included in this report as discussed
23 in Section 3.2.

24 25 **3.4.3 July 2010**

26
27 The July 2009 FWGWMP sampling event was performed between July 8 and 15, 2010.
28 Fifty-one wells were sampled for this event. The results of this sampling event are
29 reported in the Draft *Facility-Wide Groundwater Monitoring Program, Report on the*
30 *July 2010 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*, dated
31 October 25, 2010 (EQM). The results of this sampling event are summarized in Section
32 4.0 of this report.
33

SECTION 4

SUMMARY/ASSESSMENT OF ANNUAL FWGWMP ANALYTICAL RESULTS

4.1 Introduction

A summary of the constituents detected above background levels or above RLs at each of the FWGWMP wells during the 2009-10 monitoring period is discussed in the following subsections. Table 4-1 presents the Chemicals of Potential Concern (COPCs) at the RVAAP Facility. Samples were collected on the following dates:

- October 12 through 15, 2009
- January 20 and 21, 2010
- July 5 through 15, 2010

A summary of all compounds detected in 2009 are presented in Tables 4-2 and 4-3. The Sharon Conglomerate wells were separated out in a separate table (Table 4-3) in order to present all 5 quarters of data collected prior to the 2010 Annual Report preparation (April 2009, July 2009, October 2009, January 2010, and July 2010). The Maximum Contaminant Levels (MCLs) are provided, where applicable, in the following sections. MCLs and United States EPA Region 9 Preliminary Remediation Goals (PRGs) are also provided where applicable in Tables 4-2 and 4-3. RVAAP facility-wide background levels are presented in Table 4-4.

Table 4-1 Primary COPCs at the RVAAP Facility

Dinitrotoluene-2,4	Dinitrotoluene-2,6
Trinitrotoluene-2,4,6	RDX (cyclotrimethylenetrinitramine)
Composition B [RDX + Trinitrotoluene (TNT)]	HMX [high melting point explosive (octogen)]
Nitrocellulose	Nitroglycerine
Nitroguanidine	Perchlorate
Aluminum	Arsenic
Barium	Cadmium
Chromium	Lead
Mercury	Selenium
Silver	Zinc
Other COPCs at the Facility	
1,3,5-trinitrobenzene	1,3-Dinitrobenzene
Nitrobenzene	o-Nitrotoluene
n-nitrotoluene	p-Nitrotoluene
Manganese	VOCs
SVOCs	PCBs

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Table 4-2 Summary of Constituents Detected October 2009-July 2010

Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Atlas Scrap Yard	ASYmw-001	Bedrock	Aluminum	46.1 J	50.0 U	NT	200	36000	0
			Barium	15.7	16.6	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	10 U	1.0 J	NT	NS	4.8	*
			Calcium	144000	170000	NT	NS	NS	53100
			Iron	637 J	50.0 U	NT	300	11000	1430
			Magnesium	47100	55400	NT	NS	NS	15000
			Manganese	1040	1140	NT	50	880	1340
			Nickel	2.8 J	10.0 U	NT	NS	730	83.4
			Potassium	1190	1120	NT	NS	NS	5770
			Sodium	6340	7020	NT	NS	NS	51400
Atlas Scrap Yard	ASYmw-002	Bedrock	Zinc	7.6 JB	10.0 U	NT	5000	11000	52.3
			Acetone	1.7 JB	10.0 UJ	NT	NS	5500	*
			Aluminum	50.0 U	67.3	NT	200	36000	0
			Barium	12.3	14.7	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	10 U	0.97 J	NT	NS	4.8	*
			Calcium	94800	96800	NT	NS	NS	53100
			Magnesium	19800	20000	NT	NS	NS	15000
			Manganese	10 U	4 J	NT	50	880	1340
			Sodium	2260	2130	NT	NS	NS	51400
			Zinc	3.3 JB	10.0 U	NT	5000	11000	52.3
Atlas Scrap Yard	ASYmw-003	Bedrock	Acetone	2.1 JB	10.0 UJ	NT	NS	5500	*
			Arsenic	8.6	5.0 U	NT	10	0.045	0
			Barium	15.4	18.9	NT	2000	2600	256
			Calcium	196000	175000	NT	NS	NS	53100
			Iron	2580	50.0 U	NT	300	11000	1430
			Magnesium	68900	55800	NT	NS	NS	15000
			Manganese	529	45	NT	50	880	1340
			Potassium	1730	1070	NT	NS	NS	5770
			Sodium	21700	29000	NT	NS	NS	51400
			Zinc	2.4 JB	10.0 U	NT	5000	11000	52.3
Atlas Scrap Yard	ASYmw-004	Bedrock	Acetone	10 U	1.2 JB	NT	NS	5500	*
			Arsenic	28	23.2	NT	10	0.045	0
			Barium	12.7	12.7	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	1.3 J	0.9 J	NT	NS	4.8	*
			Calcium	163000	157000	NT	NS	NS	53100
			Iron	1940 J	1490 J	NT	300	11000	1430
			Magnesium	81600	79600	NT	NS	NS	15000
			Manganese	207	217	NT	50	880	1340
			Potassium	3480	2850	NT	NS	NS	5770
			Sodium	52300	51600	NT	NS	NS	51400
Atlas Scrap Yard	ASYmw-005	Bedrock	Zinc	7 JB	10.0 U	NT	5000	11000	52.3
			2,6-Dinitrotoluene	5.0 U	0.06 J	NT	NS	36	*
			Acetone	1.5 JB	10 UJ	NT	NS	5500	*
			Aluminum	43.6 J	50.0 U	NT	200	36000	0
			Barium	32.7	28.5	NT	2000	2600	256
			beta-BHC	0.017 J	0.030 UJ	NT	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	10 U	1 J	NT	NS	4.8	*
			Calcium	153000	146000	NT	NS	NS	53100
			Cobalt	3.4 J	5.0 U	NT	NS	730	0
			Iron	289	50.0 U	NT	300	11000	1430
			Magnesium	45100	42600	NT	NS	NS	15000
			Manganese	618	207	NT	50	880	1340
			Nickel	2.2 J	10.0 U	NT	NS	730	83.4
			Potassium	2580	1740	NT	NS	NS	5770
			Sodium	42100	32300	NT	NS	NS	51400

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Atlas Scrap Yard	ASYmw-006	Bedrock	1,3,5-Trinitrobenzene	0.099 U	0.032 JB	NT	NS	1100	*
			Acetone	2.3 JB	10 UJ	NT	NS	5500	*
			Arsenic	17	16.1	NT	10	0.045	0
			Barium	14.3	14.8	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	1.6 J	1.1 J	NT	NS	4.8	*
			Calcium	113000	116000	NT	NS	NS	53100
			Iron	1360	1120 J	NT	300	11000	1430
			Magnesium	71500	72300	NT	NS	NS	15000
			Manganese	177	169	NT	50	880	1340
			Potassium	3240	2860	NT	NS	NS	5770
			Sodium	38000	39900	NT	NS	NS	51400
Atlas Scrap Yard	ASYmw-007	Unconsolidated	Zinc	3 JB	10.0 U	NT	5000	11000	52.3
			Barium	20.6	18.5	NT	2000	2600	82.1
			Calcium	138000	126000	NT	NS	NS	115000
			Magnesium	54500	47300	NT	NS	NS	43300
			Manganese	205	188	NT	50	880	1020
			Potassium	1450	1170	NT	NS	NS	2890
			Sodium	36400	33500	NT	NS	NS	45700
			Zinc	4.1 JB	10.0 U	NT	5000	11000	60.9
Atlas Scrap Yard	ASYmw-008	Unconsolidated	1,3,5-Trinitrobenzene	0.098 JB	0.033 JB	NT	NS	1100	*
			3-Nitrotoluene	0.49 U	0.16 J	NT	NS	120	*
			Acetone	1.2 JB	10 UJ	NT	NS	5500	*
			Aluminum	6300	1160 J	NT	200	36000	0
			Arsenic	26.4	10.3 J	NT	10	0.045	11.7
			Barium	45.3	18.8	NT	2000	2600	82.1
			Calcium	208000	167000	NT	NS	NS	115000
			Chromium	9.3	2.7 J	NT	100	110	7.3
			Cobalt	8.7	1.6 UJ	NT	NS	730	0
			Copper	15	5.0 U	NT	1300	1500	0
			Iron	17000 J	3210 J	NT	300	11000	279
			Lead	5.8	3.0 U	NT	15	NS	0
			Magnesium	97900	78100	NT	NS	NS	43300
			Manganese	412	64.7	NT	50	880	1020
			Nickel	16.9 B	4.4 J	NT	NS	730	0
			Phenol	1.0 U	1.1	NT	NS	11000	*
			Potassium	5410	3660	NT	NS	NS	2890
			Sodium	36300	31000	NT	NS	NS	45700
			Vanadium	10.7	10.0 U	NT	NS	36	0
			Zinc	36.5 J	11.5 B	NT	5000	11000	60.9
Atlas Scrap Yard	ASYmw-009	Bedrock	1,3,5-Trinitrobenzene	0.10 U	0.033 JB	NT	NS	1100	*
			Aluminum	142	496	NT	200	36000	0
			Barium	26.9	27.1	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	10 U	0.95 J	NT	NS	4.8	*
			Calcium	196000	188000	NT	NS	NS	53100
			Iron	323 J	811 J	NT	300	11000	1430
			Magnesium	72700	69900	NT	NS	NS	15000
			Manganese	607	624	NT	50	880	1340
			Potassium	1560	1500	NT	NS	NS	5770
			Sodium	23400	22500	NT	NS	NS	51400
			Zinc	3.5 JB	5 JB	NT	5000	11000	52.3

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Atlas Scrap Yard	ASYmw-010	Unconsolidated	1,3,5-Trinitrobenzene	0.1 U	0.044 JB	NT	NS	1100	*
			Aluminum	50.0 U	1160	NT	200	36000	0
			Arsenic	49.8	148	NT	10	0.045	11.7
			Barium	56.1	56.4	NT	2000	2600	82.1
			beta-BHC	0.014 J	0.030 UJ	NT	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	10.0 U	1.2 J	NT	NS	4.8	*
			Calcium	119000	94400	NT	NS	NS	115000
			Iron	2530	6760 J	NT	300	11000	279
			Magnesium	86700	80300	NT	NS	NS	43300
			Manganese	139	96.2	NT	50	880	1020
			Nickel	10.0 U	2.6 J	NT	NS	730	0
			Potassium	2730	2760	NT	NS	NS	2890
			Sodium	45900	43800	NT	NS	NS	45700
			Zinc	2.6 JB	12.3 B	NT	5000	11000	60.9
Demolition Area 2	DETmw-003	Unconsolidated	1,3,5-Trinitrobenzene	0.099 JB	NT	NT	NS	1100	*
			Arsenic	11.5	NT	NT	10	0.045	11.7
			Barium	48.5	NT	NT	2000	2600	82.1
			Calcium	87900	NT	NT	NS	NS	115000
			Iron	1440	NT	NT	300	11000	279
			Magnesium	32800	NT	NT	NS	NS	43300
			Manganese	266	NT	NT	50	880	1020
			Potassium	1780	NT	NT	NS	NS	2890
			Sodium	12000	NT	NT	NS	NS	45700
			Zinc	5.4 JB	NT	NT	5000	11000	60.9
Demolition Area 2	DETmw-004	Unconsolidated	Acetone	2.2 JB	NT	NT	NS	5500	*
			Barium	63.4	NT	NT	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	0.9 J	NT	NT	NS	4.8	*
			Calcium	145000	NT	NT	NS	NS	115000
			HMX	1.5	NT	NT	NS	1800	*
			Magnesium	28600	NT	NT	NS	NS	43300
			Manganese	21.9	NT	NT	50	880	1020
			Potassium	1820	NT	NT	NS	NS	2890
			RDX	0.43 J	NT	NT	NS	0.61	*
			Sodium	3100	NT	NT	NS	NS	45700
			Zinc	10.6 B	NT	NT	5000	11000	60.9
Load Line 10	LL10mw-001	Bedrock	Aluminum	53.7	NT	NT	200	36000	0
			Calcium	66100	NT	NT	NS	NS	53100
			Carbon tetrachloride	1.6 J	NT	NT	5	0.17	*
			Chloroform	0.26 J	NT	NT	NS	0.17	*
			Iron	133	NT	NT	300	11000	1430
			Magnesium	23800	NT	NT	NS	NS	15000
			Manganese	2.6 J	NT	NT	50	880	1340
			Potassium	1030	NT	NT	NS	NS	5770
			RDX	0.078 J	NT	NT	NS	0.61	*
			Sodium	8320	NT	NT	NS	NS	51400
			Zinc	3 JB	NT	NT	5000	11000	52.3
Load Line 10	LL10mw-002	Bedrock	Barium	17.3	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	8.1 J	NT	NT	NS	4.8	*
			Calcium	36300	NT	NT	NS	NS	53100
			Magnesium	10700	NT	NT	NS	NS	15000
			Potassium	910 J	NT	NT	NS	NS	5770
			Sodium	6320	NT	NT	NS	NS	51400

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Load Line 10	LL10mw-003	Bedrock	Calcium	51200	NT	NT	NS	NS	53100
			Carbon tetrachloride	2.8	NT	NT	5	0.17	*
			Chloroform	0.26 J	NT	NT	NS	0.17	*
			Magnesium	14500	NT	NT	NS	NS	15000
			Nitrocellulose	0.13 JB	NT	NT	NS	4.8	*
			Sodium	10300	NT	NT	NS	NS	51400
Load Line 10	LL10mw-004	Bedrock	Barium	3.1 J	NT	NT	2000	2600	256
			Calcium	68400	NT	NT	NS	NS	53100
			Magnesium	20200	NT	NT	NS	NS	15000
			Manganese	24.4	NT	NT	50	880	1340
			Sodium	4270	NT	NT	NS	NS	51400
			Zinc	4.2 JB	NT	NT	5000	11000	52.3
Load Line 10	LL10mw-005	Bedrock	Barium	3.3 J	NT	NT	2000	2600	256
			Calcium	62200	NT	NT	NS	NS	53100
			Magnesium	14500	NT	NT	NS	NS	15000
			Manganese	15.8	NT	NT	50	880	1340
			Sodium	3400	NT	NT	NS	NS	51400
			Zinc	2.5 JB	NT	NT	5000	11000	52.3
Load Line 10	LL10mw-006	Unconsolidated	Barium	12.2	NT	NT	2000	2600	82.1
			Calcium	17800	NT	NT	NS	NS	115000
			Magnesium	6980	NT	NT	NS	NS	43300
			Manganese	4.5 J	NT	NT	50	880	1020
			Potassium	1020	NT	NT	NS	NS	2890
			Sodium	2730	NT	NT	NS	NS	45700
			Zinc	3.9 JB	NT	NT	5000	11000	60.9
Load Line 11	LL11mw-001	Unconsolidated	Barium	76.1	NT	NT	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	350	NT	NT	NS	4.8	*
			Calcium	88500	NT	NT	NS	NS	115000
			Magnesium	29000	NT	NT	NS	NS	43300
			Manganese	960	NT	NT	50	880	1020
			Potassium	954 J	NT	NT	NS	NS	2890
			Sodium	12400	NT	NT	NS	NS	45700
			Zinc	2.9 JB	NT	NT	5000	11000	60.9
Load Line 11	LL11mw-003	Unconsolidated	Barium	29.9	NT	NT	2000	2600	82.1
			beta-BHC	0.012 J	NT	NT	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	8.6 J	NT	NT	NS	4.8	*
			Calcium	101000	NT	NT	NS	NS	115000
			Iron	143 J	NT	NT	300	11000	279
			Magnesium	30500	NT	NT	NS	NS	43300
			Manganese	498	NT	NT	50	880	1020
			Potassium	981 J	NT	NT	NS	NS	2890
			Sodium	10800	NT	NT	NS	NS	45700
			Zinc	5.6 JB	NT	NT	5000	11000	60.9
Load Line 11	LL11mw-004	Unconsolidated	Barium	53.3	NT	NT	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	1.8 J	NT	NT	NS	4.8	*
			Cadmium	1.7	NT	NT	5	18	0
			Calcium	78900	NT	NT	NS	NS	115000
			Magnesium	25700	NT	NT	NS	NS	43300
			Manganese	272	NT	NT	50	880	1020
			Potassium	1100	NT	NT	NS	NS	2890
			Sodium	12700	NT	NT	NS	NS	45700

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Load Line 11	LL11mw-005	Unconsolidated	Aluminum	102	NT	NT	200	36000	0
			Barium	28.1	NT	NT	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	1.5 J	NT	NT	NS	4.8	*
			Cadmium	0.26 J	NT	NT	5	18	0
			Calcium	8580	NT	NT	NS	NS	115000
			Cobalt	1.5 J	NT	NT	NS	730	0
			Iron	225	NT	NT	300	11000	279
			Magnesium	4510	NT	NT	NS	NS	43300
			Manganese	43.8	NT	NT	50	880	1020
			Nickel	12.2	NT	NT	NS	730	0
			Sodium	3030	NT	NT	NS	NS	45700
Load Line 11	LL11mw-006	Unconsolidated	Zinc	22.4 B	NT	NT	5000	11000	60.9
			Barium	28.3	NT	NT	2000	2600	82.1
			Calcium	81100	NT	NT	NS	NS	115000
			Magnesium	17300	NT	NT	NS	NS	43300
			Potassium	860 J	NT	NT	NS	NS	2890
			Selenium	5.3	NT	NT	50	180	0
Load Line 11	LL11mw-008	Unconsolidated	Sodium	7890	NT	NT	NS	NS	45700
			Aluminum	25.3 J	NT	NT	200	36000	0
			Barium	49.4	NT	NT	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	0.83 J	NT	NT	NS	4.8	*
			Calcium	115000	NT	NT	NS	NS	115000
			Iron	26.6 J	NT	NT	300	11000	279
			Magnesium	33800	NT	NT	NS	NS	43300
			Manganese	29.4	NT	NT	50	880	1020
			Potassium	1130	NT	NT	NS	NS	2890
			Sodium	4920	NT	NT	NS	NS	45700
Load Line 11	LL11mw-009	Unconsolidated	Zinc	3.7 JB	NT	NT	5000	11000	60.9
			1,3,5-Trinitrobenzene	0.098 U	0.036 JB	NT	NS	1100	*
			2,6-Dinitrotoluene	0.098 JB	0.1 U	NT	NS	36	*
			Aluminum	41.7 J	26	NT	200	36000	0
			Barium	66.3	76.4	NT	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	0.95 J	10	NT	NS	4.8	*
			Calcium	82400	85400	NT	NS	NS	115000
			Magnesium	28500	27800	NT	NS	NS	43300
			Manganese	706	856	NT	50	880	1020
			Nickel	2.3 J	10.0 U	NT	NS	730	0
			Nitrobenzene	0.098 U	0.064 J	NT	NS	3.4	*
			Potassium	956 J	905 J	NT	NS	NS	2890
			Sodium	12800	11600	NT	NS	NS	45700
			Tetrachloroethene	4.1	3.8	NT	5	0.1	*
			Zinc	2.9 JB	10.0 U	NT	5000	11000	60.9
Load Line 11	LL11mw-010	Unconsolidated	Aluminum	26.3 J	NT	NT	200	36000	0
			Barium	66.3	NT	NT	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	0.88 J	NT	NT	NS	4.8	*
			Calcium	80200	NT	NT	NS	NS	115000
			Chromium	1.7 J	NT	NT	100	110	7.3
			Iron	249 J	NT	NT	300	11000	279
			Magnesium	31300	NT	NT	NS	NS	43300
			Manganese	430	NT	NT	50	880	1020
			Potassium	1380	NT	NT	NS	NS	2890
			Sodium	27600	NT	NT	NS	NS	45700

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Load Line 6	LL6mw-005	Bedrock	1,3,5-Trinitrobenzene	0.039 J	NT	NT	NS	1100	*
			Arsenic	14.4	NT	NT	10	0.045	0
			Barium	64.2	NT	NT	2000	2600	256
			Calcium	78300	NT	NT	NS	NS	53100
			Iron	946 J	NT	NT	300	11000	1430
			Magnesium	24400	NT	NT	NS	NS	15000
			Manganese	501	NT	NT	50	880	1340
			Potassium	1040	NT	NT	NS	NS	5770
Load Line 6	LL6mw-006	Unconsolidated	Sodium	8640	NT	NT	NS	NS	51400
			1,3,5-Trinitrobenzene	0.037 J	NT	NT	NS	1100	*
			2,6-Dinitrotoluene	0.09 J	NT	NT	NS	36	*
			Aluminum	180 J	NT	NT	200	36000	0
			Barium	26.5	NT	NT	2000	2600	82.1
			Cadmium	0.47 J	NT	NT	5	18	0
			Calcium	73100	NT	NT	NS	NS	115000
			Iron	363 J	NT	NT	300	11000	279
			Magnesium	29100	NT	NT	NS	NS	43300
			Manganese	72.4	NT	NT	50	880	1020
			Potassium	1850	NT	NT	NS	NS	2890
Load Line 6	LL6mw-007	Bedrock	Sodium	8220	NT	NT	NS	NS	45700
			Zinc	3.9 JB	NT	NT	5000	11000	60.9
			Aluminum	117 J	NT	NT	200	36000	0
			Barium	15.4	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	1 J	NT	NT	NS	4.8	*
			Cadmium	0.46 J	NT	NT	5	18	0
			Calcium	55400	NT	NT	NS	NS	53100
			Iron	185 J	NT	NT	300	11000	1430
			Magnesium	22700	NT	NT	NS	NS	15000
			Manganese	394	NT	NT	50	880	1340
Load Line 7	LL7mw-001	Bedrock	Potassium	869 J	NT	NT	NS	NS	5770
			Sodium	7790	NT	NT	NS	NS	51400
			Zinc	2.4 JB	NT	NT	5000	11000	52.3
			1,1,1-Trichloroethane	11	NT	NT	NS	3200	*
			1,1-Dichloroethane	3.3	NT	NT	NS	810	*
			1,1-Dichloroethene (total)	8.4	NT	NT	7	340	*
			Barium	22.1	NT	NT	2000	2600	256
			Calcium	33600	NT	NT	NS	NS	53100
			Cobalt	7	NT	NT	NS	730	0
			Iron	8360 J	NT	NT	300	11000	1430
			Magnesium	11600	NT	NT	NS	NS	15000
			Manganese	460	NT	NT	50	880	1340
Load Line 7	LL7mw-002	Bedrock	Nickel	9.6 J	NT	NT	NS	730	83.4
			Potassium	1020	NT	NT	NS	NS	5770
			Sodium	5800	NT	NT	NS	NS	51400
			Zinc	50.2 J	NT	NT	5000	11000	52.3
			Barium	51.7	NT	NT	2000	2600	256
			Cadmium	0.4 J	NT	NT	5	18	0
			Calcium	37100	NT	NT	NS	NS	53100
			Magnesium	7830	NT	NT	NS	NS	15000
			Manganese	311	NT	NT	50	880	1340
			Nickel	8.4 J	NT	NT	NS	730	83.4
Load Line 7	LL7mw-002	Bedrock	Potassium	1830	NT	NT	NS	NS	5770
			Sodium	2590	NT	NT	NS	NS	51400
			Zinc	8 JB	NT	NT	5000	11000	52.3

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Load Line 7	LL7mw-003	Bedrock	1,3,5-Trinitrobenzene	0.042 J	NT	NT	NS	1100	*
			Barium	48.7	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	10	NT	NT	NS	4.8	*
			Calcium	15800 J	NT	NT	NS	NS	53100
			Cobalt	4.6 J	NT	NT	NS	730	0
			Iron	17200	NT	NT	300	11000	1430
			Magnesium	5700	NT	NT	NS	NS	15000
			Manganese	1340	NT	NT	50	880	1340
			Nickel	5.8 J	NT	NT	NS	730	83.4
			Nitrobenzene	0.13 J	NT	NT	NS	3.4	*
			Potassium	1160	NT	NT	NS	NS	5770
			Sodium	5240	NT	NT	NS	NS	51400
			Thallium	0.41 JB	NT	NT	2	2.4	0
			Zinc	14.3 B	NT	NT	5000	11000	52.3
Load Line 7	LL7mw-004	Bedrock	1,3,5-Trinitrobenzene	0.035 J	NT	NT	NS	1100	*
			Barium	40.5	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	2.3 J	NT	NT	NS	4.8	*
			Calcium	8400	NT	NT	NS	NS	53100
			Cobalt	5.5	NT	NT	NS	730	0
			HMX	0.048 J	NT	NT	NS	1800	*
			Iron	17000 J	NT	NT	300	11000	1430
			Magnesium	6260	NT	NT	NS	NS	15000
			Manganese	1230	NT	NT	50	880	1340
			Nickel	5.3 J	NT	NT	NS	730	83.4
			Potassium	1390	NT	NT	NS	NS	5770
			Sodium	15100	NT	NT	NS	NS	51400
			Zinc	14.4 B	NT	NT	5000	11000	52.3
Load Line 7	LL7mw-005	Bedrock	1,3,5-Trinitrobenzene	0.032 J	NT	NT	NS	1100	*
			Aluminum	81.1 J	NT	NT	200	36000	0
			Barium	150	NT	NT	2000	2600	256
			beta-BHC	0.014 J	NT	NT	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	1.9 J	NT	NT	NS	4.8	*
			Calcium	9040	NT	NT	NS	NS	53100
			Cobalt	8.2	NT	NT	NS	730	0
			Iron	1290 J	NT	NT	300	11000	1430
			Magnesium	5150	NT	NT	NS	NS	15000
			Manganese	2320	NT	NT	50	880	1340
			Nickel	10.6	NT	NT	NS	730	83.4
			Nitrobenzene	0.051 J	NT	NT	NS	3.4	*
			Potassium	1120	NT	NT	NS	NS	5770
			Sodium	2070	NT	NT	NS	NS	51400
			Zinc	8.9 JB	NT	NT	5000	11000	52.3
Load Line 7	LL7mw-006	Bedrock	1,3,5-Trinitrobenzene	0.039 J	NT	NT	NS	1100	*
			Barium	15.5	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	2.2 J	NT	NT	NS	4.8	*
			Cadmium	0.3 J	NT	NT	5	18	0
			Calcium	8070	NT	NT	NS	NS	53100
			HMX	0.085 J	NT	NT	NS	1800	*
			Iron	2880 J	NT	NT	300	11000	1430
			Magnesium	5070	NT	NT	NS	NS	15000
			Manganese	1240	NT	NT	50	880	1340
			Nickel	7.3 J	NT	NT	NS	730	83.4
			Potassium	902 J	NT	NT	NS	NS	5770
			RDX	0.78 J	NT	NT	NS	0.61	*
			Sodium	7650	NT	NT	NS	NS	51400
			Zinc	12.6 B	NT	NT	5000	11000	52.3

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Load Line 8	LL8mw-001	Unconsolidated	Aluminum	65	NT	NT	200	36000	0
			Barium	33.6	NT	NT	2000	2600	82.1
			Calcium	87900	NT	NT	NS	NS	115000
			Iron	942	NT	NT	300	11000	279
			Magnesium	43600	NT	NT	NS	NS	43300
			Manganese	125	NT	NT	50	880	1020
			Potassium	1670	NT	NT	NS	NS	2890
			Sodium	29100	NT	NT	NS	NS	45700
Load Line 8	LL8mw-002	Unconsolidated	Arsenic	6.6 J	NT	NT	10	0.045	11.7
			Barium	38.9	NT	NT	2000	2600	82.1
			Calcium	95300	NT	NT	NS	NS	115000
			Iron	3850	NT	NT	300	11000	279
			Magnesium	38600	NT	NT	NS	NS	43300
			Manganese	333	NT	NT	50	880	1020
			Potassium	2070	NT	NT	NS	NS	2890
			Sodium	29400	NT	NT	NS	NS	45700
Load Line 8	LL8mw-003	Unconsolidated	Aluminum	47.5 J	NT	NT	200	36000	0
			Arsenic	4.1 J	NT	NT	10	0.045	11.7
			Barium	24.3	NT	NT	2000	2600	82.1
			Calcium	129000	NT	NT	NS	NS	115000
			Iron	929	NT	NT	300	11000	279
			Magnesium	46000	NT	NT	NS	NS	43300
			Manganese	677	NT	NT	50	880	1020
			Nitrocellulose	0.15 JB	NT	NT	NS	4.8	*
Load Line 8	LL8mw-004	Unconsolidated	Potassium	2520	NT	NT	NS	NS	2890
			Sodium	45400	NT	NT	NS	NS	45700
			Aluminum	23.3 J	NT	NT	200	36000	0
			Arsenic	3.3 J	NT	NT	10	0.045	11.7
			Barium	10.7	NT	NT	2000	2600	82.1
			Calcium	88900	NT	NT	NS	NS	115000
			Chromium	1.4 J	NT	NT	100	110	7.3
			Magnesium	43500	NT	NT	NS	NS	43300
Load Line 8	LL8mw-005	Bedrock	Manganese	31.5	NT	NT	50	880	1020
			Potassium	1290	NT	NT	NS	NS	2890
			Sodium	23300	NT	NT	NS	NS	45700
			Aluminum	170	NT	NT	200	36000	0
			Barium	11.7	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	2.8 J	NT	NT	NS	4.8	*
			Calcium	64400	NT	NT	NS	NS	53100
			Iron	1180	NT	NT	300	11000	1430
Load Line 8	LL8mw-006	Bedrock	Magnesium	21600	NT	NT	NS	NS	15000
			Manganese	2690	NT	NT	50	880	1340
			Nickel	2.6 J	NT	NT	NS	730	83.4
			Sodium	11000	NT	NT	NS	NS	51400
			Zinc	3 JB	NT	NT	5000	11000	52.3
			Barium	15.5	NT	NT	2000	2600	256
			Calcium	70700	NT	NT	NS	NS	53100
			Magnesium	28800	NT	NT	NS	NS	15000
Load Line 8	LL8mw-006	Bedrock	Nitrocellulose	0.13 JB	NT	NT	NS	4.8	*
			Potassium	1620	NT	NT	NS	NS	5770
			Sodium	4760	NT	NT	NS	NS	51400

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Load Line 9	LL9mw-001	Bedrock	Acetone	1.7 JB	NT	NT	NS	5500	*
			Barium	8.1 J	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	5.3 J	NT	NT	NS	4.8	*
			Calcium	37100	NT	NT	NS	NS	53100
			Magnesium	11300	NT	NT	NS	NS	15000
			Manganese	3.6 J	NT	NT	50	880	1340
			Potassium	888 J	NT	NT	NS	NS	5770
			Sodium	2940	NT	NT	NS	NS	51400
			Aluminum	38 J	NT	NT	200	36000	0
			Barium	3.3 J	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	5.6 J	NT	NT	NS	4.8	*
			Calcium	17400	NT	NT	NS	NS	53100
			Magnesium	7520	NT	NT	NS	NS	15000
			Manganese	9.2 J	NT	NT	50	880	1340
			Nickel	5.5 J	NT	NT	NS	730	83.4
			Potassium	1300	NT	NT	NS	NS	5770
			Sodium	1940	NT	NT	NS	NS	51400
			Zinc	4.5 JB	NT	NT	5000	11000	52.3
			Aluminum	357	NT	NT	200	36000	0
			Barium	12.9	NT	NT	2000	2600	256
			Calcium	18100	NT	NT	NS	NS	53100
			Iron	3240	NT	NT	300	11000	1430
			Magnesium	5220	NT	NT	NS	NS	15000
			Manganese	111	NT	NT	50	880	1340
			Nickel	6.6 J	NT	NT	NS	730	83.4
			Potassium	2180	NT	NT	NS	NS	5770
			Sodium	2770	NT	NT	NS	NS	51400
			Zinc	21.2 B	NT	NT	5000	11000	52.3
			Barium	31	NT	NT	2000	2600	256
			Calcium	12000	NT	NT	NS	NS	53100
			Cobalt	4.9 J	NT	NT	NS	730	0
			Iron	10600	NT	NT	300	11000	1430
			Magnesium	9850	NT	NT	NS	NS	15000
			Manganese	2290	NT	NT	50	880	1340
			Nickel	6.9 J	NT	NT	NS	730	83.4
			Sodium	4650	NT	NT	NS	NS	51400
			Thallium	0.33 J	NT	NT	2	2.4	0
			Zinc	12.9 B	NT	NT	5000	11000	52.3
			Aluminum	50.5	NT	NT	200	36000	0
			Calcium	9220	NT	NT	NS	NS	53100
			Iron	157	NT	NT	300	11000	1430
			Magnesium	4710	NT	NT	NS	NS	15000
			Manganese	24.8	NT	NT	50	880	1340
			Nickel	5.3 J	NT	NT	NS	730	83.4
			Sodium	3870	NT	NT	NS	NS	51400
			Zinc	58.1 J	NT	NT	5000	11000	52.3

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Load Line 9	LL9mw-006	Bedrock	Aluminum	23.5 J	NT	NT	200	36000	0
			Barium	43.6	NT	NT	2000	2600	256
			bis(2-Ethylhexyl) phthalate	1.7 J	NT	NT	NS	4.8	*
			Calcium	5280	NT	NT	NS	NS	53100
			Iron	1930	NT	NT	300	11000	1430
			Magnesium	5800	NT	NT	NS	NS	15000
			Manganese	677	NT	NT	50	880	1340
			Nickel	11.2	NT	NT	NS	730	83.4
			Potassium	1130	NT	NT	NS	NS	5770
			Sodium	2660	NT	NT	NS	NS	51400
Load Line 9	LL9mw-007	Bedrock	Zinc	10.8 B	NT	NT	5000	11000	52.3
			2,6-Dinitrotoluene	0.098 JB	NT	NT	NS	36	*
			Barium	14.8	NT	NT	2000	2600	256
			Calcium	12000	NT	NT	NS	NS	53100
			Cobalt	9.3	NT	NT	NS	730	0
			Iron	9900	NT	NT	300	11000	1430
			Magnesium	6450	NT	NT	NS	NS	15000
			Manganese	1050	NT	NT	50	880	1340
			Nickel	19.2	NT	NT	NS	730	83.4
			Potassium	1270	NT	NT	NS	NS	5770
Ramsdell Quarry Landfill	RQLmw-007	Bedrock	Sodium	3090	NT	NT	NS	NS	51400
			Zinc	25.9 B	NT	NT	5000	11000	52.3
			Arsenic	71.4	NT	NT	10	0.045	0
			Barium	51.8	NT	NT	2000	2600	256
			beta-BHC	0.015 J	NT	NT	NS	0.037	*
			Calcium	144000	NT	NT	NS	NS	53100
			Cobalt	6.2	NT	NT	NS	730	0
			HMX	1.5	NT	NT	NS	1800	*
			Iron	23900 J	NT	NT	300	11000	1430
			Magnesium	86600	NT	NT	NS	NS	15000
Ramsdell Quarry Landfill	RQLmw-008	Bedrock	Manganese	1740	NT	NT	50	880	1340
			Nickel	12.6	NT	NT	NS	730	83.4
			Potassium	7220	NT	NT	NS	NS	5770
			RDX	0.43 J	NT	NT	NS	0.61	*
			Sodium	9590	NT	NT	NS	NS	51400
			Zinc	16.8 B	NT	NT	5000	11000	52.3
			alpha-BHC	0.023 J	NT	NT	NS	0.011	*
			Arsenic	29.9	NT	NT	10	0.045	0
			Barium	89	NT	NT	2000	2600	256
			beta-BHC	0.0095 J	NT	NT	NS	0.037	*
Ramsdell Quarry Landfill	RQLmw-008	Bedrock	Calcium	57700	NT	NT	NS	NS	53100
			Chromium	1.5 J	NT	NT	100	110	0
			delta-BHC	0.025 J	NT	NT	NS	NS	*
			Iron	49600 J	NT	NT	300	11000	1430
			Magnesium	62900	NT	NT	NS	NS	15000
			Manganese	408	NT	NT	50	880	1340
			Potassium	3690	NT	NT	NS	NS	5770
			Sodium	8350	NT	NT	NS	NS	51400
			Zinc	18.5 B	NT	NT	5000	11000	52.3

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Ramsdell Quarry Landfill	RQLmw-009	Bedrock	1,3,5-Trinitrobenzene	0.1 JB	NT	NT	NS	1100	*
			Arsenic	8.9	NT	NT	10	0.045	0
			Barium	36.1	NT	NT	2000	2600	256
			Calcium	22600	NT	NT	NS	NS	53100
			Chromium	1.8 J	NT	NT	100	110	0
			Cobalt	4.6 J	NT	NT	NS	730	0
			Iron	5280 J	NT	NT	300	11000	1430
			Magnesium	20200	NT	NT	NS	NS	15000
			Manganese	1260	NT	NT	50	880	1340
			Potassium	3900	NT	NT	NS	NS	5770
Load Line 1	LL1mw-064	Unconsolidated	Sodium	1870	NT	NT	NS	NS	51400
			Zinc	6.9 JB	NT	NT	5000	11000	52.3
			Barium	NT	NT	44.5	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	0.88 JB	NS	4.8	*
			Calcium	NT	NT	54300	NS	NS	115000
			Iron	NT	NT	517	300	11000	279
			Magnesium	NT	NT	9330	NS	NS	43300
			Manganese	NT	NT	112	50	880	1020
			PETN	NT	NT	1.3	NS	NS	*
			Sodium	NT	NT	4890	NS	NS	45700
Load Line 1	LL1mw-065	Unconsolidated	Barium	NT	NT	48.6	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	1.4 JB	NS	4.8	*
			Calcium	NT	NT	79300	NS	NS	115000
			Iron	NT	NT	127	300	11000	279
			Magnesium	NT	NT	19900	NS	NS	43300
			Manganese	NT	NT	256	50	880	1020
			Potassium	NT	NT	845 J	NS	NS	2890
			Sodium	NT	NT	10700	NS	NS	45700
Load Line 1	LL1mw-067	Bedrock	1,3,5-Trinitrobenzene	NT	NT	0.038 JB	NS	1100	*
			Barium	NT	NT	11.2	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	2.1 JB	NS	4.8	*
			Calcium	NT	NT	29400	NS	NS	53100
			Magnesium	NT	NT	10400	NS	NS	15000
			Manganese	NT	NT	13.1	50	880	1340
			Nickel	NT	NT	21.5	NS	730	83.4
			Sodium	NT	NT	1590	NS	NS	45700
Load Line 1	LL1mw-078	Bedrock	1,3,5-Trinitrobenzene	NT	NT	0.047 JB	NS	1100	*
			Aluminum	NT	NT	110	200	36000	0
			Barium	NT	NT	16.2	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	1.5 JB	NS	4.8	*
			Calcium	NT	NT	47300	NS	NS	53100
			Di-n-butyl phthalate	NT	NT	0.8 J	NS	NS	*
			Magnesium	NT	NT	7390	NS	NS	15000
			Manganese	NT	NT	71	50	880	1340
			Nickel	NT	NT	4.5 J	NS	730	83.4
			Potassium	NT	NT	3100	NS	NS	5770
			RDX	NT	NT	0.095 J	NS	0.61	*
			Sodium	NT	NT	3770	NS	NS	45700

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Load Line 1	LL1mw-080	Bedrock	1,3,5-Trinitrobenzene	NT	NT	1.3 J	NS	1100	*
			1,3-Dinitrobenzene	NT	NT	0.93	NS	3.6	*
			2,4,6-Trinitrobenzene	NT	NT	0.92	NS	2.2	*
			2,4-Dinitrotoluene	NT	NT	0.71	NS	73	*
			2,6-Dinitrotoluene	NT	NT	0.89	NS	36	*
			2-Amino-4,6-dinitrotoluene	NT	NT	5.6	NS		*
			4-Amino-2,6-Dinitrotoluene	NT	NT	7.9	NS		*
			Aluminum	NT	NT	45.2 J	200	36000	0
			Barium	NT	NT	26.5	2000	2600	256
			beta-BHC	NT	NT	0.048 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	4.2 JB	NS	4.8	*
			Calcium	NT	NT	130000	NS	NS	53100
			delta-BHC	NT	NT	0.019 J	NS	NS	*
			HMX	NT	NT	14	NS	1800	*
			Magnesium	NT	NT	9180	NS	NS	15000
			Manganese	NT	NT	25.5	50	880	1340
			Potassium	NT	NT	3310	NS	NS	5770
			RDX	NT	NT	88 J	NS	0.61	*
			Sodium	NT	NT	4320	NS	NS	51400
Load Line 1	LL1mw-081	Bedrock	2,4-Dinitrotoluene	NT	NT	0.058 JB	NS	73	*
			2-Amino-4,6-dinitrotoluene	NT	NT	1.6	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	2.2	NS	NS	*
			Barium	NT	NT	18.2	2000	2600	256
			beta-BHC	NT	NT	0.011 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	1.6 JB	NS	4.8	*
			Calcium	NT	NT	54300	NS	NS	53100
			Cobalt	NT	NT	6.2	NS	730	0
			HMX	NT	NT	0.44 B	NS	1800	*
			Iron	NT	NT	4200	300	11000	1430
			Magnesium	NT	NT	12000	NS	NS	15000
			Manganese	NT	NT	1830	50	880	1340
			Nickel	NT	NT	11	NS	730	83.4
			Potassium	NT	NT	2350	NS	NS	5770
			RDX	NT	NT	1	NS	0.61	*
			Sodium	NT	NT	2050	NS	NS	51400
			Zinc	NT	NT	48.5	5000	11000	52.3
Load Line 1	LL1mw-082	Bedrock	Barium	NT	NT	9.9 J	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	2 JB		4.8	*
			Cadmium	NT	NT	0.18 J	5	18	0
			Calcium	NT	NT	29800	NS	NS	53100
			Cobalt	NT	NT	8.2	NS	730	0
			Iron	NT	NT	5150	300	11000	1430
			Magnesium	NT	NT	12300	NS	NS	15000
			Manganese	NT	NT	1080	50	880	1340
			Nickel	NT	NT	17.9	NS	730	83.4
			Potassium	NT	NT	1460	NS	NS	5770
			Sodium	NT	NT	1190	NS	NS	51400
			Zinc	NT	NT	49.1	5000	11000	52.3

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Load Line 1	LL1mw-083	Bedrock	1,3,5-Trinitrobenzene	NT	NT	9.2 J	NS	1100	*
			2,4,6-Trinitrobenzene	NT	NT	5 J	NS	2.2	*
			2,4-Dinitrotoluene	NT	NT	3.1 J	NS	73	*
			2,4-Dinitrotoluene	NT	NT	1.5 J	NS	73	*
			2,6-Dinitrotoluene	NT	NT	1.3 J	NS	36	*
			2-Amino-4,6-dinitrotoluene	NT	NT	16 J	NS	NS	*
			2-Nitrotoluene	NT	NT	0.18 J	NS	0.049	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	36 J	NS	NS	*
			Aluminum	NT	NT	813	200	36000	0
			Barium	NT	NT	15.8	2000	2600	256
			Beryllium	NT	NT	0.33 J	4	73	0
			bis(2-Ethylhexyl) phthalate	NT	NT	0.96 JB	NS	4.8	*
			Cadmium	NT	NT	0.7	5	18	0
			Calcium	NT	NT	23200	NS	NS	53100
			Cobalt	NT	NT	11.1	NS	730	0
			HMX	NT	NT	0.061 JB	NS	1800	*
			Magnesium	NT	NT	4970	NS	NS	15000
			Manganese	NT	NT	497	50	880	1340
			Nickel	NT	NT	34.7	NS	730	83.4
			Potassium	NT	NT	2230	NS	NS	5770
			Sodium	NT	NT	9730	NS	NS	51400
			Zinc	NT	NT	40.1	5000	11000	52.3
Load Line 1	LL1mw-084	Bedrock	1,3,5-Trinitrobenzene	NT	NT	5.9 J	NS	1100	*
			1,3-Dinitrobenzene	NT	NT	0.37 J	NS	3.6	*
			2,4,6-Trinitrobenzene	NT	NT	9.2 J	NS	2.2	*
			2,4-Dinitrotoluene	NT	NT	1.8 J	NS	73	*
			2,6-Dinitrotoluene	NT	NT	0.82 J	NS	36	*
			2-Amino-4,6-dinitrotoluene	NT	NT	14 J	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	32 J	NS	NS	*
			4-Nitrotoluene	NT	NT	0.18 J	NS	0.66	*
			Aluminum	NT	NT	335	200	36000	0
			Barium	NT	NT	14	2000	2600	256
			beta-BHC	NT	NT	0.26 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	3.4 JB	ns	4.8	*
			Cadmium	NT	NT	1.6	5	18	0
			Calcium	NT	NT	45600	NS	NS	53100
			Cobalt	NT	NT	15.7	NS	730	0
			Copper	NT	NT	5.4	1300	1500	0
			HMX	NT	NT	0.25 JB	NS	1800	*
			Magnesium	NT	NT	2770	NS	NS	15000
			Manganese	NT	NT	196	50	880	1340
			Nickel	NT	NT	26.8	NS	730	83.4
			Potassium	NT	NT	2260	NS	NS	5770
			RDX	NT	NT	0.76 J	NS	0.61	*
			Sodium	NT	NT	2630	NS	NS	51400
			Zinc	NT	NT	58.5	5000	11000	52.3

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Load Line 1	LL1mw-085	Bedrock	Barium	NT	NT	13.4	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	2.5 JB	NS	4.8	*
			Calcium	NT	NT	64600	NS	NS	53100
			Cobalt	NT	NT	2.8 J	NS	730	0
			Iron	NT	NT	435	300	11000	1430
			Magnesium	NT	NT	18300	NS	NS	15000
			Manganese	NT	NT	564	50	880	1340
			Nickel	NT	NT	11.4	NS	730	83.4
			Potassium	NT	NT	1690	NS	NS	5770
			Sodium	NT	NT	1380	NS	NS	51400
			Zinc	NT	NT	4.1 J	5000	11000	52.3
Load Line 12	LL12mw-088	Unconsolidated	Arsenic	NT	NT	29.4	10	0.045	11.7
			Barium	NT	NT	383	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	2.4 JB	NS	4.8	*
			Calcium	NT	NT	159000	NS	NS	115000
			Iron	NT	NT	3890	300	11000	279
			Magnesium	NT	NT	55700	NS	NS	43300
			Manganese	NT	NT	428	50	880	1020
			Potassium	NT	NT	2820 J	NS	NS	2890
			Sodium	NT	NT	13500	NS	NS	45700
			Zinc	NT	NT	5.6 JB	5000	11000	60.9
Load Line 12	LL12mw-107	Unconsolidated	1,3,5-Trinitrobenzene	NT	NT	0.058 J	NS	1100	*
			Arsenic	NT	NT	9.7	10	0.045	11.7
			Barium	NT	NT	24.2	2000	2600	82.1
			beta-BHC	NT	NT	0.018 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	3 JB	NS	4.8	*
			Calcium	NT	NT	162000	NS	NS	115000
			Cobalt	NT	NT	1.8 J	NS	730	0
			Iron	NT	NT	2640 J	300	11000	279
			Magnesium	NT	NT	67100	NS	NS	43300
			Manganese	NT	NT	242	50	880	1020
			Potassium	NT	NT	2230 J	NS	NS	2890
			Sodium	NT	NT	17300	NS	NS	45700
			Tetryl	NT	NT	0.074 J	NS	360	*
Load Line 12	LL12mw-113	Unconsolidated	Aluminum	NT	NT	103000	200	36000	0
			Antimony	NT	NT	1.1 J	6	15	0
			Arsenic	NT	NT	249	10	0.045	11.7
			Barium	NT	NT	381	2000	2600	82.1
			Beryllium	NT	NT	5	4	73	0
			bis(2-Ethylhexyl) phthalate	NT	NT	1.9 JB	NS	4.8	*
			Cadmium	NT	NT	0.54	5	18	0
			Calcium	NT	NT	284000	NS	NS	115000
			Chromium	NT	NT	163	100	110	7.3
			Cobalt	NT	NT	121	NS	730	0
			Copper	NT	NT	257	1300	1500	0
			Iron	NT	NT	354000	300	11000	279
			Lead	NT	NT	127	15	NS	0
			Magnesium	NT	NT	151000	NS	NS	43300
			Manganese	NT	NT	5730	50	880	1020
			Nickel	NT	NT	283	NS	730	0
			Nitrate-Nitrite ¹	NT	NT	0.2	1	1	*
			Phenol	NT	NT	0.83 J	NS	11000	*
			Potassium	NT	NT	23700 J	NS	NS	2890
			Sodium	NT	NT	24800	NS	NS	45700
			Thallium	NT	NT	1.9	2	2.4	0
			Vanadium	NT	NT	179	NS	36	0
			Zinc	NT	NT	656 J	5000	11000	60.9

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Load Line 12	LL12mw-128	Unconsolidated	Aluminum	NT	NT	1960	200	36000	0
			Antimony	NT	NT	0.16 J	6	15	0
			Arsenic	NT	NT	47.5	10	0.045	11.7
			Barium	NT	NT	61.3	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	2.3 JB	NS	4.8	*
			Calcium	NT	NT	183000	NS	NS	115000
			Chromium	NT	NT	2.8 J	100	110	7.3
			Cobalt	NT	NT	2.8 J	NS	730	0
			Iron	NT	NT	6890 J	300	11000	279
			Lead	NT	NT	2.3 J	15	NS	0
			Magnesium	NT	NT	109000	NS	NS	43300
			Manganese	NT	NT	242	50	880	1020
			Nickel	NT	NT	4.8 J	NS	730	0
			Potassium	NT	NT	2770 J	NS	NS	2890
			Sodium	NT	NT	22100	NS	NS	45700
			Vanadium	NT	NT	2.5 J	NS	36	0
			Zinc	NT	NT	19.8 J	5000	11000	60.9
Load Line 12	LL12mw-153	Unconsolidated	Arsenic	NT	NT	21.4	10	0.045	0
			Barium	NT	NT	64.4	2000	2600	82.1
			beta-BHC	NT	NT	0.1 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	1.3 JB	NS	4.8	*
			Calcium	NT	NT	140000	NS	NS	115000
			Chromium	NT	NT	2 J	100	110	7.3
			Cobalt	NT	NT	2 J	NS	730	0
			HMX	NT	NT	0.055 J	NS	1800	*
			Iron	NT	NT	3420	300	11000	279
			Magnesium	NT	NT	76800	NS	NS	43300
			Manganese	NT	NT	188	50	880	1020
			Nickel	NT	NT	2.7 J	NS	730	0
			Potassium	NT	NT	2010 J	NS	NS	2890
			Sodium	NT	NT	23400	NS	NS	45700
			Zinc	NT	NT	9 JB	5000	11000	60.9
Load Line 12	LL12mw-154	Unconsolidated	Arsenic	NT	NT	16.2	10	0.045	11.7
			Barium	NT	NT	44.1	2000	2600	82.1
			beta-BHC	NT	NT	0.011 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	1.5 JB	NS	4.8	*
			Calcium	NT	NT	147000	NS	NS	115000
			Iron	NT	NT	1760	300	11000	279
			Magnesium	NT	NT	70000	NS	NS	43300
			Manganese	NT	NT	85.9	50	880	1020
			Potassium	NT	NT	1820 J	NS	NS	2890
			Sodium	NT	NT	24300	NS	NS	45700

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Load Line 12	LL12mw-182	Unconsolidated	1,3,5-Trinitrobenzene	NT	NT	0.031 J	NS	1100	*
			Aluminum	NT	NT	29.5 J	200	36000	0
			Arsenic	NT	NT	25.6	10	0.045	11.7
			Barium	NT	NT	62.7	2000	2600	82.1
			Benzo(a)anthracene	NT	NT	0.23	NS	0.092	*
			Benzo(b)fluoranthene	NT	NT	0.22	NS	0.092	*
			Benzo(g,h,i)perylene	NT	NT	0.22	NS		*
			Benzo(k)fluoranthene	NT	NT	0.32	NS	0.92	*
			bis(2-Ethylhexyl) phthalate	NT	NT	4.9 JB	NS	4.8	*
			Calcium	NT	NT	65500	NS	NS	115000
			Chrysene	NT	NT	0.21	NS	9.2	*
			Dibenzo(a,h)anthracene	NT	NT	0.21	NS	0.0093	*
			Di-n-butyl phthalate	NT	NT	0.89 JB	NS	NS	*
			Fluoranthene	NT	NT	0.23	NS	NS	*
			Indeno(1,2,3-cd)pyrene	NT	NT	0.22	NS	0.092	*
			Iron	NT	NT	766 J	300	11000	279
			Magnesium	NT	NT	51500	NS	NS	43300
			Manganese	NT	NT	43.7	50	880	1020
			Nitrate-Nitrite ¹	NT	NT	0.03 JB	1	1	*
			Potassium	NT	NT	4080 J	NS	NS	2890
			Pyrene	NT	NT	0.21	NS	NS	*
			Sodium	NT	NT	25100	NS	NS	45700
			Tetryl	NT	NT	0.068 J	NS	360	*
Load Line 12	LL12mw-183	Unconsolidated	Arsenic	NT	NT	29.8	10	0.045	11.7
			Barium	NT	NT	65	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	2.4 JB	NS	4.8	*
			Calcium	NT	NT	87600	NS	NS	115000
			Heptachlor	NT	NT	0.027 J	0.4	0.015	*
			Iron	NT	NT	867	300	11000	279
			Magnesium	NT	NT	36400	NS	NS	43300
			Manganese	NT	NT	47.7	50	880	1020
			Potassium	NT	NT	6050 J	NS	NS	2890
			Sodium	NT	NT	19800	NS	NS	45700
Load Line 12	LL12mw-184	Unconsolidated	Arsenic	NT	NT	15.8	10	0.045	11.7
			Barium	NT	NT	8.7 J	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	3.8 JB	NS	4.8	*
			Calcium	NT	NT	203000	NS	NS	115000
			Iron	NT	NT	2300 J	300	11000	279
			Magnesium	NT	NT	150000	NS	NS	43300
			Manganese	NT	NT	469	50	880	1020
			Nitrate-Nitrite ¹	NT	NT	0.07 JB	1	1	*
			Potassium	NT	NT	2410 J	NS	NS	2890
			Sodium	NT	NT	35600	NS	NS	45700
			Tetryl	NT	NT	0.055 J	NS	360	*

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Load Line 12	LL12mw-185	Unconsolidated	Barium	NT	NT	49.4	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	2.6 JB	NS	4.8	*
			Butyl benzyl phthalate	NT	NT	1.4	NS	7300	*
			Cadmium	NT	NT	0.26 J	5	18	0
			Calcium	NT	NT	665000	NS	NS	115000
			Di-n-butyl phthalate	NT	NT	0.75 JB	NS	NS	*
			HMX	NT	NT	0.076 J	Nns	1800	*
			Magnesium	NT	NT	287000	NS	NS	43300
			Manganese	NT	NT	1380	50	880	1020
			Nickel	NT	NT	6.2 J	NS	730	0
			Nitrate-Nitrite ¹	NT	NT	160 J	1	1	*
			Nitrocellulose	NT	NT	0.54	NS	NS	*
			Potassium	NT	NT	7120 J	NS	NS	2890
			Sodium	NT	NT	52300	NS	NS	45700
Load Line 12	LL12mw-186	Unconsolidated	Tetryl	NT	NT	0.075 J	NS	360	*
			Antimony	NT	NT	0.45 J	6	15	0
			Barium	NT	NT	49	2000	2600	82.1
			beta-BHC	NT	NT	0.013 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	3.3 JB	NS	4.8	*
			Calcium	NT	NT	139000	NS	NS	115000
			Cobalt	NT	NT	1.7 J	NS	730	0
			Di-n-butyl phthalate	NT	NT	0.76 JB	NS	NS	*
			Endrin ketone	NT	NT	0.0091 J	NS	NS	*
			Magnesium	NT	NT	64700	NS	NS	43300
			Manganese	NT	NT	275	50	880	1020
			Nickel	NT	NT	2.2 J	NS	730	0
			Nitrate-Nitrite ¹	NT	NT	0.04 JB	1	1	*
			Potassium	NT	NT	1690 J	NS	NS	2890
			Sodium	NT	NT	14700	NS	NS	45700
Load Line 12	LL12mw-187	Unconsolidated	Tetryl	NT	NT	0.054 J	NS	360	*
			Barium	NT	NT	281	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	1.2 JB	NS	4.8	*
			Calcium	NT	NT	960000	NS	NS	115000
			Cobalt	NT	NT	10.2	NS	730	0
			Magnesium	NT	NT	301000	NS	NS	43300
			Manganese	NT	NT	2020	50	880	1020
			Nickel	NT	NT	15.3	NS	730	0
			Nitrate-Nitrite ¹	NT	NT	1400	1	1	*
			Nitrocellulose	NT	NT	5.7	NS	NS	*
			Potassium	NT	NT	54200 J	NS	NS	2890
Load Line 12	LL12mw-188	Unconsolidated	Sodium	NT	NT	35600	NS	NS	45700
			Zinc	NT	NT	11 J	5000	11000	60.9
			Aluminum	NT	NT	65	200	36000	0
			Barium	NT	NT	41.4	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	2.4 JB	NS	4.8	*
			Calcium	NT	NT	134000	NS	NS	115000
			Cobalt	NT	NT	1.5 J	NS	730	0
			Heptachlor	NT	NT	0.017 J	0.4	0.015	*
			HMX	NT	NT	0.052 J	NS	1800	*
			Iron	NT	NT	246	300	11000	279
			Magnesium	NT	NT	108000	NS	NS	43300
			Manganese	NT	NT	433	50	880	1020
			Nitrate-Nitrite ¹	NT	NT	0.2	1	1	*
			Potassium	NT	NT	1930 J	NS	NS	2890
			RDX	NT	NT	0.067 J	NS	0.61	*
			Sodium	NT	NT	32200	NS	NS	45700

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Load Line 12	LL12mw-189	Unconsolidated	Aluminum	NT	NT	298	200	36000	0
			Arsenic	NT	NT	5.7	10	0.045	11.7
			Barium	NT	NT	18.5	2000	2600	82.1
			beta-BHC	NT	NT	0.014 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	2.8 JB	NS	4.8	*
			Calcium	NT	NT	152000	NS	NS	115000
			Cobalt	NT	NT	1.9 J	NS	730	0
			Di-n-butyl phthalate	NT	NT	0.75 JB	NS	NS	*
			Iron	NT	NT	1320 J	300	11000	279
			Magnesium	NT	NT	72200	NS	NS	43300
			Manganese	NT	NT	370	50	880	1020
			Naphthalene	NT	NT	0.29	NS	6.2	*
			Nitrate-Nitrite ¹	NT	NT	0.07 JB	1	1	*
			Nitrocellulose	NT	NT	0.12 J	NS	NS	*
			Potassium	NT	NT	1800 J	NS	NS	2890
			Sodium	NT	NT	49200	NS	NS	45700
			Tetryl	NT	NT	0.059 J	NS	360	*
Load Line 12	LL12mw-242	Unconsolidated	Arsenic	NT	NT	21.3	10	0.045	11.7
			Barium	NT	NT	22	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	1.7 JB	NS	4.8	*
			Butyl benzyl phthalate	NT	NT	0.89 J	NS	7300	*
			Calcium	NT	NT	69300	NS	NS	115000
			Iron	NT	NT	833	300	11000	279
			Isophorone	NT	NT	0.38 J	NS	71	*
			Magnesium	NT	NT	46500	NS	NS	43300
			Manganese	NT	NT	56	50	880	1020
			Potassium	NT	NT	1630 J	NS	NS	2890
			Silver	NT	NT	1.9 J	100	180	0
			Sodium	NT	NT	33800	NS	NS	45700
			Tetryl	NT	NT	0.057 JB	NS	360	*
Load Line 12	LL12mw-243	Unconsolidated	2-Butanone	NT	NT	1.3 JB	NS	7000	*
			Antimony	NT	NT	0.63 J	6	15	0
			Arsenic	NT	NT	6.5	10	0.045	11.7
			Barium	NT	NT	27.6	2000	2600	82.1
			beta-BHC	NT	NT	0.012 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	4.4 JB	NS	4.8	*
			Calcium	NT	NT	124000	NS	NS	115000
			Cobalt	NT	NT	1.5 J	NS	730	0
			Magnesium	NT	NT	81500	NS	NS	43300
			Manganese	NT	NT	287	50	880	1020
			Nickel	NT	NT	2.7 J	NS	730	0
			Nitroglycerin	NT	NT	0.38 J	NS	4.8	*
			Potassium	NT	NT	3320 J	NS	NS	2890
			Sodium	NT	NT	22800	NS	NS	45700

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Load Line 12	LL12mw-244	Unconsolidated	2-Butanone	NT	NT	1.6 JB	NS	7000	*
			Acetone	NT	NT	1.1 JB	NS	5500	*
			Aluminum	NT	NT	33700	200	36000	0
			Antimony	NT	NT	0.73 J	6	15	0
			Arsenic	NT	NT	51.1	10	0.045	11.7
			Barium	NT	NT	221	2000	2600	82.1
			Beryllium	NT	NT	1.4	4	73	0
			bis(2-Ethylhexyl) phthalate	NT	NT	1.8 JB	NS	4.8	*
			Calcium	NT	NT	95400	NS	NS	115000
			Chromium	NT	NT	43	100	110	7.3
			Cobalt	NT	NT	28.5	NS	730	0
			Copper	NT	NT	48.3	1300	1500	0
			Iron	NT	NT	78800 J	300	11000	279
			Lead	NT	NT	26	15	NS	0
			Magnesium	NT	NT	40500	NS	NS	43300
			Manganese	NT	NT	955	50	880	1020
			Nickel	NT	NT	72.1	NS	730	0
			Nitrate-Nitrite ¹	NT	NT	0.07 JB	1	1	*
			Potassium	NT	NT	9500 J	NS	NS	2890
			Sodium	NT	NT	9250	NS	NS	45700
			Toluene	NT	NT	0.22 J	1000	720	*
			Vanadium	NT	NT	49	NS	36	0
			Zinc	NT	NT	165 J	5000	11000	60.9
Load Line 12	LL12mw-245	Unconsolidated	1,3,5-Trinitrobenzene	NT	NT	0.057 J	NS	1100	*
			Antimony	NT	NT	0.29 J	6	15	0
			Arsenic	NT	NT	9.1	10	0.045	0
			Barium	NT	NT	34.6	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	1.8 JB	NS	4.8	*
			Calcium	NT	NT	134000	NS	NS	115000
			Cobalt	NT	NT	3.2 J	NS	730	0
			Cyanide ¹	NT	NT	0.008 J	0.2	0.73	*
			Magnesium	NT	NT	65400	NS	NS	43300
			Manganese	NT	NT	103	50	880	1020
			Nickel	NT	NT	5.1 J	NS	730	0
			Nitrate-Nitrite ¹	NT	NT	0.1	1	1	*
			Potassium	NT	NT	3140 J	NS	NS	2890
			Sodium	NT	NT	23200	NS	NS	45700
Load Line 12	LL12mw-246	Unconsolidated	Arsenic	NT	NT	29.7	10	0.045	11.7
			Barium	NT	NT	35.5	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	1.8 JB	NS	4.8	*
			Calcium	NT	NT	102000	NS	NS	115000
			Iron	NT	NT	1190 J	300	11000	279
			Magnesium	NT	NT	50400	NS	NS	43300
			Manganese	NT	NT	74.5	50	880	1020
			Naphthalene	NT	NT	1.4	NS	6.2	*
			Nitrate-Nitrite ¹	NT	NT	0.08 JB	1	1	*
			Potassium	NT	NT	6380 J	NS	NS	2890
			Sodium	NT	NT	22000	NS	NS	45700

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Load Line 2	LL2mw-059	Bedrock	1,3,5-Trinitrobenzene	NT	NT	0.11	NS	1100	*
			2,4-Dinitrotoluene	NT	NT	0.25	NS	73	*
			2-Amino-4,6-dinitrotoluene	NT	NT	0.31	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	0.29	NS	NS	*
			Aluminum	NT	NT	21.5 J	200	36000	0
			Arsenic	NT	NT	6.4	10	0.045	0
			Barium	NT	NT	208	2000	2600	256
			Calcium	NT	NT	30000	NS	NS	53100
			Cobalt	NT	NT	29.1	NS	730	0
			Cyanide ¹	NT	NT	0.0058 J	0.2	0.73	*
			HMX	NT	NT	0.14 JB	NS	1800	*
			Iron	NT	NT	7090	300	11000	1430
			Magnesium	NT	NT	8290	NS	NS	15000
			Manganese	NT	NT	5530	50	880	1340
			Nickel	NT	NT	22.4	NS	730	83.4
			Potassium	NT	NT	883 J	NS	NS	5770
			Sodium	NT	NT	5170	NS	NS	51400
			Zinc	NT	NT	4 JB	5000	11000	52.3
Load Line 2	LL2mw-060	Bedrock	2-Amino-4,6-dinitrotoluene	NT	NT	0.45	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	0.54	NS	NS	*
			Antimony	NT	NT	0.17 J	6	15	0
			Barium	NT	NT	23.9	2000	2600	256
			Calcium	NT	NT	45200	NS	NS	53100
			Magnesium	NT	NT	8470	NS	NS	15000
			Manganese	NT	NT	25.7	50	880	1340
			Sodium	NT	NT	2400	NS	NS	51400
Load Line 2	LL2mw-261	Bedrock	2,4,6-Trinitrotoluene	NT	NT	0.058 J	NS	2.2	*
			Arsenic	NT	NT	11.2	10	0.045	0
			Barium	NT	NT	19.1	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	0.87 JB	NS	4.8	*
			Calcium	NT	NT	59200	NS	NS	53100
			Cobalt	NT	NT	2.2 J	NS	730	0
			Iron	NT	NT	2290	300	11000	1430
			Magnesium	NT	NT	21700	NS	NS	15000
			Manganese	NT	NT	375	50	880	1340
			Nickel	NT	NT	3.9 J	NS	730	83.4
Load Line 2	LL2mw-262	Bedrock	Potassium	NT	NT	1070	NS	NS	5770
			Sodium	NT	NT	10800	NS	NS	51400
			Aluminum	NT	NT	24.9 J	200	36000	0
			Barium	NT	NT	16.2	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	1.1 JB	NS	4.8	*
			Calcium	NT	NT	47100	NS	NS	53100
			Magnesium	NT	NT	34200	NS	NS	15000
			Manganese	NT	NT	77.4	50	880	1340
Load Line 2	LL2mw-263	Bedrock	Nickel	NT	NT	10.7	NS	730	83.4
			Potassium	NT	NT	1770	NS	NS	5770
			Sodium	NT	NT	7430	NS	NS	51400
			Arsenic	NT	NT	15.4	10	0.045	0
			Barium	NT	NT	21.5	2000	2600	256
			Calcium	NT	NT	30900	NS	NS	53100
			Cobalt	NT	NT	3.2 J	NS	730	0
			HMX	NT	NT	0.078 JB	NS	1800	*
			Iron	NT	NT	4670	300	11000	1430
			Magnesium	NT	NT	13800	NS	NS	15000
			Manganese	NT	NT	1450	50	880	1340
			Nickel	NT	NT	5.6 J	NS	730	83.4
			Sodium	NT	NT	3930	NS	NS	51400

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Load Line 2	LL2mw-265	Bedrock	Aluminum	NT	NT	26.4 J	200	36000	0
			Barium	NT	NT	8.8 J	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	2.5 JB	NS	4.8	*
			Calcium	NT	NT	76100	NS	NS	53100
			Cobalt	NT	NT	5.6	NS	730	0
			Iron	NT	NT	614	300	11000	1430
			Magnesium	NT	NT	22700	NS	NS	15000
			Manganese	NT	NT	1430	50	880	1340
			Nickel	NT	NT	19	NS	730	83.4
Load Line 2	LL2mw-266	Bedrock	Sodium	NT	NT	10400	NS	NS	51400
			Acetone	NT	NT	2.5 JB	NS	5500	*
			Aluminum	NT	NT	1060	200	36000	0
			Arsenic	NT	NT	5.6	10	0.045	0
			Barium	NT	NT	19.7	2000	2600	256
			beta-BHC	NT	NT	0.029 J	NS	0.037	*
			bis(2-Ethylhexyl) phthalate	NT	NT	5.8 JB	NS	4.8	*
			Cadmium	NT	NT	0.24 J	5	18	0
			Calcium	NT	NT	18400	NS	NS	53100
			Cobalt	NT	NT	17	NS	730	0
			Iron	NT	NT	5080	300	11000	1430
			Magnesium	NT	NT	9620	NS	NS	15000
			Manganese	NT	NT	1390	50	880	1340
			Nickel	NT	NT	16.5	NS	730	83.4
			Potassium	NT	NT	1270	NS	NS	5770
			Sodium	NT	NT	9520	NS	NS	51400
Load Line 2	LL2mw-267	Bedrock	Zinc	NT	NT	10.6 B	5000	11000	52.3
			2,4,6-Trinitrotoluene	NT	NT	0.27	NS	2.2	*
			2,4-Dinitrotoluene	NT	NT	0.22	NS	73	*
			2-Amino-4,6-dinitrotoluene	NT	NT	1.3	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	1.1	NS	NS	*
			Barium	NT	NT	14.9	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	2.3 JB	NS	4.8	*
			Calcium	NT	NT	37900	NS	NS	53100
			Cobalt	NT	NT	4.5 J	NS	730	0
			HMX	NT	NT	1.1	NS	1800	*
			Iron	NT	NT	1240	300	11000	1430
			Magnesium	NT	NT	18900	NS	NS	15000
			Manganese	NT	NT	622	50	880	1340
			Nickel	NT	NT	3.6 J	NS	730	83.4
			RDX	NT	NT	1.1	NS	0.61	*
			Sodium	NT	NT	16500	NS	NS	51400
Load Line 2	LL2mw-269	Bedrock	Barium	NT	NT	215	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	1.4 JB	NS	4.8	*
			Calcium	NT	NT	30300	NS	NS	53100
			Iron	NT	NT	5990	300	11000	1430
			Magnesium	NT	NT	15200	NS	NS	15000
			Manganese	NT	NT	1540	50	880	1340
			Potassium	NT	NT	2970	NS	NS	5770
			Sodium	NT	NT	5930	NS	NS	51400

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Load Line 2	LL2mw-270	Bedrock	Barium	NT	NT	13.1	2000	2600	256
			Butyl benzyl phthalate	NT	NT	13	ns	7300	*
			Calcium	NT	NT	44400	NS	NS	53100
			Cobalt	NT	NT	7.2	NS	730	0
			Endrin ketone	NT	NT	0.009 J	NS	NS	*
			Iron	NT	NT	1420	300	11000	1430
			Magnesium	NT	NT	16800	NS	NS	15000
			Manganese	NT	NT	384	50	880	1340
			Nickel	NT	NT	12.7	NS	730	83.4
			Phenol	NT	NT	1.4	NS	11000	*
			Potassium	NT	NT	1070	NS	NS	5770
			Sodium	NT	NT	2190	NS	NS	51400
			Tetryl	NT	NT	0.07 JB	NS	360	*
			Zinc	NT	NT	3.5 J	5000	11000	52.3
Load Line 3	LL3mw-232	Bedrock	Arsenic	NT	NT	3.5 J	10	0.045	0
			Barium	NT	NT	26.1	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	1.5 JB	NS	4.8	*
			Calcium	NT	NT	60300	NS	NS	53100
			Magnesium	NT	NT	39800	NS	NS	15000
			Manganese	NT	NT	308	50	880	1340
			Nickel	NT	NT	7.8 J	NS	730	83.4
			Potassium	NT	NT	3650	NS	NS	5770
			Sodium	NT	NT	8570	NS	NS	51400
			Zinc	NT	NT	7.8 JB	5000	11000	52.3
Load Line 3	LL3mw-234	Bedrock	2,6-Dinitrotoluene	NT	NT	0.062 J	NS	36	*
			2-Amino-4,6-dinitrotoluene	NT	NT	0.41 J	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	0.78 J	NS	NS	*
			Barium	NT	NT	9.8 J	2000	2600	256
			Benzyl alcohol	NT	NT	0.84 JB	NS	11000	*
			Butyl benzyl phthalate	NT	NT	2	NS	7300	*
			Calcium	NT	NT	51100 J	NS	NS	53100
			Cobalt	NT	NT	1.5 J	NS	730	0
			HMX	NT	NT	0.083 JB	NS	1800	*
			Iron	NT	NT	1210	300	11000	1430
			Magnesium	NT	NT	19800 J	NS	NS	15000
			Manganese	NT	NT	2190 J	50	880	1340
			Nickel	NT	NT	7 J	NS	730	83.4
			Potassium	NT	NT	1750	NS	NS	5770
			RDX	NT	NT	0.58 J	NS	0.61	*
			Sodium	NT	NT	8990	NS	NS	51400
Load Line 3	LL3mw-236	Bedrock	1,3,5-Trinitrobenzene	NT	NT	0.032 J	NS	1100	*
			2,4,6-Trinitrotoluene	NT	NT	0.31 J	NS	2.2	*
			2-Amino-4,6-dinitrotoluene	NT	NT	0.17	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	0.33	NS	NS	*
			Antimony	NT	NT	0.15 J	6	15	0
			Calcium	NT	NT	22200	NS	NS	53100
			Magnesium	NT	NT	13700	NS	NS	15000
			Manganese	NT	NT	235	50	880	1340
			Nickel	NT	NT	7.9 J	NS	730	83.4
			Potassium	NT	NT	1330	NS	NS	5770
			Sodium	NT	NT	3620	NS	NS	51400
			Zinc	NT	NT	15.9 B	5000	11000	52.3

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Load Line 3	LL3mw-239	Bedrock	1,3,5-Trinitrobenzene	NT	NT	0.34 J	NS	1100	*
			2,4,6-Trinitrotoluene	NT	NT	0.26 J	NS	2.2	*
			2,4-Dinitrotoluene	NT	NT	0.11	NS	73	*
			2-Amino-4,6-dinitrotoluene	NT	NT	0.63	NS	NS	*
			4-Amino-2,6-Dinitrotoluene	NT	NT	0.95	NS	NS	*
			Aluminum	NT	NT	46.6 J	200	36000	0
			Barium	NT	NT	10.4	2000	2600	256
			bis(2-Ethylhexyl) phthalate	NT	NT	8.7 JB	NS	4.8	*
			Calcium	NT	NT	9730	NS	NS	53100
			Carbon tetrachloride	NT	NT	0.37 J	5	0.17	*
			Chloroform	NT	NT	0.52 J	NS	0.17	*
			HMX	NT	NT	0.19 B	NS	1800	*
			Iron	NT	NT	218	300	11000	1430
			Magnesium	NT	NT	5160	NS	NS	15000
			Manganese	NT	NT	101	50	880	1340
			Nickel	NT	NT	6.1 J	NS	730	83.4
			Potassium	NT	NT	1280	NS	NS	5770
			RDX	NT	NT	1.7	NS	0.61	*
			Sodium	NT	NT	18700	NS	NS	51400
			Zinc	NT	NT	6 JB	5000	11000	52.3
Load Line 4	LL4mw-196	Unconsolidated	Aluminum	NT	NT	22.8 J	200	36000	0
			Barium	NT	NT	33.4	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	8.2 JB	NS	4.8	*
			Calcium	NT	NT	57700	NS	NS	115000
			Iron	NT	NT	393	300	11000	279
			Magnesium	NT	NT	18100	NS	NS	43300
			Manganese	NT	NT	183	50	880	1020
Load Line 4	LL4mw-197	Unconsolidated	Sodium	NT	NT	1460	NS	NS	45700
			Antimony	NT	NT	0.16 J	6	15	0
			Barium	NT	NT	15.1	2000	2600	82.1
			bis(2-Ethylhexyl) phthalate	NT	NT	1.1 JB	NS	4.8	*
			Calcium	NT	NT	139000	NS	NS	115000
			HMX	NT	NT	0.041 JB	NS	1800	*
			Magnesium	NT	NT	21400	NS	NS	43300
			Potassium	NT	NT	1250	NS	NS	2890
			Sodium	NT	NT	1130	NS	NS	45700

Notes:

NS = no standard NT = not tested

All inorganics are filtered, all organics are not filtered

* There are no background levels for organic constituents

J = estimated result. Results have been qualified "J" For more details refer to Data Verification/Validation Reports in the FWGWMP October 2009 and January, and July 2010 Sampling Reports

B = organic or inorganic analysis when the analyte is found in the method blank or any of the field blanks

R = Rejected data

U = analyzed but not detected at or above the reporting limit

Bold = inorganic constituent detected above Facility-Wide background levels

Italics = inorganic constituent detected below the Facility-Wide background levels

Shaded boxes indicate any constituent, which does not have a background value, detected above the reporting limit.

1 = mg/l

Table 4-3 Summary of Constituents Detected in the Sharon Conglomerate Wells April 2009 - July 2010

Area	Well Number	Analyte	April-09 Level (µg/L)	July-09 Level (µg/L)	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Sharon Conglomerate	SCFmw-001	1,3,5-Trinitrobenzene	0.085 J	0.22 U	0.2 U	0.2 U	0.11 U	NS	1100	*
		Aluminum	100 U	100 U	1720	50 U	50 U	200	36000	0
		Antimony	1.6 J	1.5 J	1.5 J	0.34 J	2 U	6	15	0
		Arsenic	3.3 J	5 U	11.7	15.2	13.1	10	0.045	0
		Barium	51.6	62.5	83.3	48.6	39.4	2000	2600	256
		bis (2-Ethylhexyl) phthalate	1.5 U	6.1 U	1.4	1 U	1.7 JB	NS	4.8	*
		Calcium	58500	89200 J	98000 B	104000	102000	NS	NS	53100
		Carbon disulfide	1 U	1 U	1.9	1 U	0.69 J	NS	1000	*
		Chromium	5 U	5 U	2.1 J	5 U	5 U	100	110	0
		Cobalt	3.1 J	5 U	1.8 J	5 U	5 U	NS	730	0
		Cyanide ²	0.01 U	0.01 U	0.01 U	0.0076 J	0.01 U	0.2	0.73	0
		Endrin ketone	0.5 U	0.5 U	0.25 R	0.05 U	0.027 J	2	11	*
		Iron	6850 J	2960	4760	1320	814	300	11000	1430
		Magnesium	20000	27800	27800	29300	28600	NS	NS	15000
		Manganese	767 J	449 J	336	261	194	50	880	1340
		Nickel	7.3 UJ	6.1 J	8.9 J	6.5 J	3.3 J	NS	730	83.4
		Perchlorate ²	NT	0.019 J	NT	NT	NT	NS	3.6	
		Potassium	2070 J	2070 J	2060	1800	1670	NS	NS	5770
		RDX	0.52 U	0.55 U	0.5 U	0.091 J	0.11 U	NS	0.61	*
		Sodium	11800	12500	12700	13700	13000	NS	NS	51400
		Thallium	0.17 J	2 U	0.46 J	0.25 UJ	10 U	2	2.4	0
		Zinc	14.8 U	274 J	173 J	45.4 J	10 U	5000	11000	52.3

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Area	Well Number	Analyte	April-09 Level (µg/L)	July-09 Level (µg/L)	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Sharon Conglomerate	SCFmw-002	4-Amino-2,6-Dinitrotoluene	0.083	0.2 U	0.22 U	0.2 U	0.1 U	NS	73	*
		Aluminum	100 U	100 U	48 J	100 U	50 U	200	36000	0
		Antimony	3.8 J	1.4 J	0.73 J	0.44 J	0.15 J	6	15	0
		Arsenic	12.2	17	18.6	20.6	12.5	10	0.045	0
		Barium	49.9	162	42.9	40.7	38	2000	2600	256
		bis(2-Ethylhexyl) phthalate	1.3 U	1.8 U	1 U	1 U	2.5 JB	NS	4.8	*
		Calcium	92900	90700 J	88000	87700	83400	NS	NS	53100
		Carbon disulfide	1 U	0.69 J	1.5	0.92 J	0.34 J	NS	1000	*
		Cobalt	1.8 J	5 U	5 U	5 U	5 U	NS	730	0
		Di-n-butyl phthalate	1 U	1 U	1 U	1 U	0.82 J	NS	NS	*
		Iron	100 U	216	645	730	233	300	11000	1430
		Magnesium	31500	29300	28200	28300	27000	NS	NS	15000
		Manganese	82.1 J	102 J	92	96.3	67.3	50	880	1340
		Nickell	7.9 J	40 U	40 U	40 U	10 U	NS	730	83.4
		Perchlorate ²	NT	0.02 J	NT	NT	NT	NS	3.6	*
		Potassium	4790 J	2700 J	2370	2180 J	2190	NS	NS	5770
		Sodium	27100	25300	22300	21600	50500	NS	NS	51400
		Tetryl	0.07 J	0.2 U	0.22	0.2 U	0.1 U	NS	360	*
		Zinc	5 U	131 J	20.6	35.3 J	10 U	5000	11000	52.3
Sharon Conglomerate	SCFmw-003	1,3,5-Trinitrobenzene	0.056 J	0.21 U	0.2 U	0.2 U	0.1 U	NS	1100	*
		Acetone	10 UJ	10 UJ	10 U	10 UJ	3.4 JB	NS	5500	*
		Aluminum	100 U	100 U	74.7 J	100 U	50 U	200	36000	0
		Antimony	0.75 J	1.4	0.32 J	0.34 J	2 U	6	15	0
		Arsenic	3.7 J	5 U	5 U	5 U	5 U	10	0.045	0
		Barium	77.9	81.5	261	71.8	75.2	2000	2600	256
		beta-BHC	0.05 U	0.5 U	0.05 U	0.05 U	0.0092 J	NS	4.8	*
		bis(2-Ethylhexyl) phthalate	1.9 U	1.2 U	1 U	1 U	1.5 JB	NS	4.8	*
		Calcium	74900	74500 J	74200	69400	71100	NS	NS	53100
		Iron	187 U	491	610	614	390	300	11000	1430
		Magnesium	30500	29800	29900	28400	29000	NS	NS	15000
		Manganese	269 J	271 J	248	243	237	50	880	1340
		Perchlorate ²	NT	0.22 J	NT	NT	NT	NS	3.6	*
		Potassium	1460 J	1510 J	2300	1320 J	1420 J	NS	NS	5770
		Sodium	7340	7320	8110	6760	6860	NS	NS	51400
		Thallium	2 U	2 U	0.14 JB	2 U	10 U	2	2.4	0
		Zinc	8.9 UJ	48.4 J	118	28.2 J	10 U	5000	11000	52.3

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Area	Well Number	Analyte	April-09 Level (µg/L)	July-09 Level (µg/L)	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Sharon Conglomerate	SCFmw-004	1,3,5-Trinitrobenzene	0.057 J	0.21 U	0.2 U	0.23 UJ	0.098 U	NS	1100	*
		Aluminum	100 U	100 U	203	100 U	50 U	200	36000	0
		Antimony	1.3 J	0.13 J	0.53 J	0.35 UJ	2 U	6	15	0
		Barium	142	119	117	102	97.9	2000	2600	256
		bis (2-Ethylhexyl) phthalate	1 UJ	1.3 U	1 U	0.84 J	0.92 JB	NS	4.8	*
		Calcium	153000	139000	144000	146000	135000	NS	NS	53100
		Carbon disulfide	1 U	1 U	0.61 B	0.72 J	1 U	NS	1000	*
		Iron	100 U	100 U	376	100 U	50 U	300	11000	1430
		Magnesium	61800	55600	57800	58400	54200	NS	NS	15000
		Manganese	697 J	626	646	681	624	50	880	1340
		Phenol	1 U	1 U	1 U	1 U	0.81 J	NS	11000	*
		Potassium	2620 J	2340 J	2470	2350	2440	NS	NS	5770
		Sodium	14900	12900	13200	13300	12700	NS	NS	51400
		Zinc	6.4 UJ	10 U	67.9	10 U	10 U	5000	11000	52.3
Sharon Conglomerate	SCFmw-005	1,3,5-Trinitrobenzene	0.056 J	0.21 U	0.21 U	0.2 UJ	0.1 U	NS	1100	*
		Aluminum	100 U	100 U	76.8 J	100 U	50 U	200	36000	0
		Antimony	2.5 J	2 J	0.66 J	0.73 J	2 U	6	15	0
		Arsenic	8.7	8.7	11.3	10	5 U	10	0.045	0
		Barium	37.7	44	40.9	44.1	22.4	2000	2600	256
		Calcium	93700	97600 J	97400	97500	89400	NS	NS	53100
		Carbon disulfide	0.32 J	1 U	0.28 J	1 U	0.64 J	NS	1000	*
		Cobalt	9.7	2.2 J	5 U	5 U	5 U	NS	730	0
		HMX	0.058 J	0.52 U	0.53 U	0.5 U	0.1 U	NS	1800	*
		Iron	2120 J	2120	2970	2610	4440	300	11000	1430
		Magnesium	44800	42800	42900	42600	43100	NS	NS	15000
		Manganese	1660 J	1270 J	1360	1350	1750	50	880	1340
		Nickel	24.8 UJ	4.2 J	4.5 J	2.9 J	10 U	NS	730	83.4
		Perchlorate ²	NT	0.042 J	NT	NT	NT	NS	3.6	*
		PETN	3.1 U	3.2 U	3.2 U	0.42 J	0.68 U	NS	NS	*
		Potassium	3650 J	2920	2420	2190 J	2180	NS	NS	5770
		Sodium	17500	13200	11700	12100	8400	NS	NS	51400
		Thallium	2 U	2 U	0.35 J	0.18 UJ	1 U	2	2.4	0
		Zinc	15.4 U	333 J	47.7	57.5	10 U	5000	11000	52.3

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Area	Well Number	Analyte	April-09 Level (µg/L)	July-09 Level (µg/L)	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)	Facility-Wide Background (µg/L)
Sharon Conglomerate	SCFmw-006	1,3,5-Trinitrobenzene	0.047 J	0.2 U	0.2 U	0.2 UJ	0.11	NS	1100	*
		4-Nitrotoluene	0.48 U	0.51 U	0.5 U	0.51 U	0.18 J	MS	0.66	*
		Acetone	10 U	10 UJ	10 U	10 U	4.9 JB	NS	5500	*
		Aluminum	100 U	100 U	21.3 J	100 U	50 U	200	36000	0
		Antimony	1 J	0.98 J	5 U	0.86 J	2 U	6	15	0
		Arsenic	12.9	12.6	14.1	13.8	12.8	10	0.045	0
		Barium	112	118	191	127	107	2000	2600	256
		beta-BHC	0.05 U	0.05 U	0.5 U	0.05 U	0.02 J	NS	0.037	*
		bis(2-Ethylhexyl) phthalate	3.6 U	1.1 U	1 U	1 U	3.7 JB	NS	4.8	*
		Calcium	63200	64300	64400 B	67400	58300	NS	NS	53100
		Carbon disulfide	1 U	1 U	1 U	0.54 J	1 U	NS	1000	*
		Cobalt	2.2 J	5 U	5 U	5 U	5 U	NS	730	0
		Iron	318	417	613	569	332	300	11000	1430
		Magnesium	16500	16500	16500	17600	16300	NS	NS	15000
		Manganese	176 J	171	171	190	153	50	880	1340
		Nitrate-Nitrite ¹	0.1 U	0.1 U	0.04 JB	0.1 U	0.1	1	1	*
		Potassium	1430	1470 J	1390 J	1670	5740	NS	NS	5770
		Sodium	9440	9900	9970	10400	10900	NS	NS	51400
		Thallium	2 U	0.15 J	0.6 JB	0.18 UJ	1 U	2	2.4	0
		Zinc	4.8 UJ	36.8 U	40.9 B	4.3 UJ	10 U	5000	11000	52.3

NS = no standard NT = not tested

All inorganics are filtered, all organics are not filtered

* There are no background levels for organic constituents

J = estimated result. Results have been qualified "J" For more details refer to Data Verification/Validation Reports in the FWGWMP October 2009 and January, and July 2010 Sampling Reports

B = organic or inorganic analysis when the analyte is found in the method blank or any of the field blanks

R = rejected data

U = analyzed but not detected at or above the reporting limit

Bold = inorganic constituent detected above Facility-Wide background levels

Italics = inorganic constituent detected below the Facility-Wide background levels

Shaded boxes indicate any constituent, which does not have a background value, detected above the reporting limit.

1 = mg/l

2 = the Region 9 PRG of 3.6 µg/L for the July 2008 event. There is no MCL for perchlorate.

On February 18, 2005 the USEPA established a Drinking Water Equivalent Level (DWEL) for perchlorate at 24.5 µg/L

1 Table 4-4 RVAAP Facility-Wide Background Criteria, (SAIC, 2001b)

Media Units	Surface Soil mg/kg	Subsurface Soil mg/kg	Sediment mg/kg	Surface Water µg/L	Groundwater Bedrock Zone Filtered µg/L	Groundwater Bedrock Zone Unfiltered µg/L	Groundwater Unconsolidated Zone Filtered µg/L	Groundwater Unconsolidated Unfiltered µg/L
Analyte								
Cyanide	0	0	0	0	0	0	0	0
Aluminum	17700	19500	13900	3370	0	9410	0	0
Antimony	0.96	0.96	0	0	0	0	0	0
Arsenic	15.4	19.8	19.5	3.2	0	19.1	11.7	11.7
Barium	88.4	124	123	47.5	256	241	82.1	82.1
Beryllium	0.88	0.88	0.38	0	0	0	0	0
Cadmium	0	0	0	0	0	0	0	0
Calcium	15800	35500	5510	41400	53100	48200	115000	115000
Chromium	17.4	27.2	18.1	0	0	19.5	7.3	7.3
Cobalt	10.4	23.2	9.1	0	0	0	0	0
Copper	17.7	32.3	27.6	7.9	0	17	0	0
Iron	23100	35200	28200	2560	1430	21500	279	279
Lead	26.1	19.1	27.4	0	0	23	0	0
Magnesium	3030	8790	2760	10800	15000	13700	43300	43300
Manganese	1450	3030	1950	391	1340	1260	1020	1020
Mercury	0.036	0.044	0.059	0	0	0	0	0
Nickel	21.1	60.7	17.7	0	83.4	85.3	0	0
Potassium	927	3350	1950	3170	5770	6060	2890	2890
Selenium	104	105	107	0	0	0	0	0
Silver	0	0	0	0	0	0	0	0
Sodium	123	145	112	21300	51400	49700	45700	45700
Thallium	0	0.91	0.89	0	0	0	0	0
Vanadium	31.1	37.6	26.1	0	0	15.5	0	0
Zinc	61.8	93.3	532	42	52.3	193	60.9	60.9

Table 4-5 present those COPCs detected in any of the October 2009, January 2010, or July 2010 sampling events that exceeded Region 9 PRGs, primary MCLs, or secondary MCLs. Additionally the Sharon Conglomerate wells data for those COPCs detected in any of the April 2009, July 2009, October 2009, January 2010, or July 2010 sampling events that exceeded Region 9 PRGs, primary MCLs, or secondary MCLs are presented in Table 4-6. Section 4.27 presents a summary discussion of the MCL and PRG exceedances.

Sections 4.2 through 4.14 present a discussion of the time trends for COPCs identified in groundwater samples collected during this reporting period at the Atlas Scrap Yard, Demolition Area 2, Load Line 1, Load Line 2, Load Line 3, Load Line 6, Load Line 7, Load Line 10, Load Line 11, Load Line 12 and Ramsdell Quarry under the FWGWMP. Additionally, Section 4.15 has been prepared to reflect conditions respective to six monitoring wells recently installed and completed in the Sharon Conglomerate.

To facilitate the discussion of concentration changes over time concentration versus time graphs (i.e. time-trend graphs) were prepared. The following guidelines were applied to produce the graphs:

1. Only wells sampled during this reporting period with three or more detections of an organic and explosive or three or more detection above background for inorganics are graphed.
2. Values reported as “non-detect” are shown as one-half the reporting limit.
3. Essential nutrients (i.e., calcium, iron, magnesium, potassium and sodium) are not graphed.

Time-trend graphs for the COPCs are presented in Appendix E. The graphs are organized by AOC (maps showing each of the AOC areas are presented in Appendix F). The background wells are grouped before the AOCs.

The time-trend plots include the comparative criteria of: 1) MCL, 2) PRG for tap water, and 3) background concentration (either unconsolidated or bedrock) for inorganics. It is noted that background concentrations for several inorganics are identified as “0” (i.e., not expected to be naturally present at any measurable concentration) (Table 4-4). These inorganics include aluminum, antimony, arsenic (bedrock only), beryllium, cadmium, chromium (bedrock only), cobalt, copper, lead, selenium, silver, thallium and vanadium. These criteria were calculated from data collected prior to implementation of the FWGWMP. With implementation of the FWGWMP, many of the inorganics with a “0” background criterion are found to be present at concentrations greater than the respective FWGWMP RLs. Consideration should be made for a re-evaluation of background criteria for inorganics with thought given to inclusion of the FWGWMP data.

4.2 Atlas Scrap Yard

Sampling at the Atlas Scrap Yard has been conducted since April 2009. Groundwater samples are obtained from seven bedrock aquifer wells and three unconsolidated aquifer wells.

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Table 4-5 Exceedances of MCLs and Region 9 PRGs

Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)
Atlas Scrap Yard	ASYmw-001	Bedrock	Iron	631 J	50.0 U	NT	300	11000
			Manganese	1040	1140	NT	50	880
Atlas Scrap Yard	ASYmw-003	Bedrock	Arsenic	8.6	5.0 U	NT	10	0.045
			Iron	2580	50.0 U	NT	300	11000
Atlas Scrap Yard	ASYmw-004	Bedrock	Manganese	529	45	NT	50	880
			Arsenic	28	23.2	NT	10	0.045
Atlas Scrap Yard	ASYmw-005	Bedrock	Iron	1940 J	1490 J	NT	300	11000
			Manganese	201	211	NT	50	880
Atlas Scrap Yard	ASYmw-006	Bedrock	Manganese	618	207	NT	50	880
			Arsenic	17	16.1	NT	10	0.045
Atlas Scrap Yard	ASYmw-007	Unconsolidated	Iron	1360	1120 J	NT	300	11000
			Manganese	177	169	NT	50	880
Atlas Scrap Yard	ASYmw-008	Unconsolidated	Manganese	205	188	NT	50	880
			Aluminum	6300	1160 J	NT	200	36000
Atlas Scrap Yard	ASYmw-009	Bedrock	Arsenic	26.4	10.3 J	NT	10	0.045
			Iron	17000 J	3210 J	NT	300	11000
Atlas Scrap Yard	ASYmw-010	Unconsolidated	Manganese	412	64.7	NT	50	880
			Aluminum	142	496	NT	200	36000
Atlas Scrap Yard	ASYmw-011	Bedrock	Iron	323 J	811 J	NT	300	11000
			Manganese	607	624	NT	50	880
Atlas Scrap Yard	ASYmw-012	Unconsolidated	Aluminum	50.0 U	1160	NT	200	36000
			Arsenic	49.8	148	NT	10	0.045
Atlas Scrap Yard	ASYmw-013	Unconsolidated	Iron	2530	6760 J	NT	300	11000
			Manganese	139	96.2	NT	50	880
Demolition Area 2	DETmw-003	Unconsolidated	Arsenic	11.5	NT	NT	10	0.045
			Iron	1440	NT	NT	300	11000
Load Line 10	LL10mw-001	Bedrock	Manganese	266	NT	NT	50	880
			Chloroform	0.26 J	NT	NT	NS	0.17
Load Line 10	LL10mw-002	Bedrock	bis(2-Ethylhexyl) phthalate	8.1 J	NT	NT	NS	4.8
			Carbon tetrachloride	2.8	NT	NT	5	0.17
Load Line 10	LL10mw-003	Bedrock	Chloroform	0.26 J	NT	NT	NS	0.17
			Manganese	960	NT	NT	50	880
Load Line 11	LL11mw-001	Unconsolidated	bis(2-Ethylhexyl) phthalate	8.6 J	NT	NT	NS	4.8
			Manganese	498	NT	NT	50	880
Load Line 11	LL11mw-002	Unconsolidated	Manganese	272	NT	NT	50	880
			bis(2-Ethylhexyl) phthalate	0.95 J	10	NT	NS	4.8
Load Line 11	LL11mw-003	Unconsolidated	Manganese	706	856	NT	50	880
			Tetrachloroethene	4.1	3.8	NT	5	0.1
Load Line 11	LL11mw-004	Unconsolidated	Manganese	430	NT	NT	50	880
			Arsenic	14.4	NT	NT	10	0.045
Load Line 6	LL6mw-005	Bedrock	Iron	946 J	NT	NT	300	11000
			Manganese	501	NT	NT	50	880
Load Line 6	LL6mw-006	Unconsolidated	Iron	363 J	NT	NT	300	11000
			Manganese	394	NT	NT	50	880
Load Line 7	LL7mw-001	Bedrock	1,1-Dichloroethene (total)	8.4	NT	NT	7	340
			Iron	8360 J	NT	NT	300	11000
Load Line 7	LL7mw-002	Bedrock	Manganese	460	NT	NT	50	880
			Manganese	311	NT	NT	50	880
Load Line 7	LL7mw-003	Bedrock	bis(2-Ethylhexyl) phthalate	10	NT	NT	NS	4.8
			Iron	17200	NT	NT	300	11000
Load Line 7	LL7mw-004	Bedrock	Manganese	1340	NT	NT	50	880
			Manganese	1340	NT	NT	50	880

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Load Line 7	LL7mw-004	Bedrock	Iron	17000 J	NT	NT	300	11000
Load Line 7	LL7mw-005	Bedrock	Iron	1290 J	NT	NT	300	11000
			Manganese	2320	NT	NT	50	880
Load Line 7	LL7mw-006	Bedrock	Iron	2880 J	NT	NT	300	11000
			Manganese	1240	NT	NT	50	880
			RDX	0.78 J	NT	NT	NS	0.61
Load Line 8	LL8mw-001	Unconsolidated	Iron	942	NT	NT	300	11000
			Manganese	125	NT	NT	50	880
Load Line 8	LL8mw-002	Unconsolidated	Arsenic	6.6 J	NT	NT	10	0.045
			Iron	3850	NT	NT	300	11000
			Manganese	333	NT	NT	50	880
Load Line 8	LL8mw-003	Unconsolidated	Arsenic	4.1 J	NT	NT	10	0.045
			Iron	929	NT	NT	300	11000
			Manganese	677	NT	NT	50	880
Load Line 8	LL8mw-004	Unconsolidated	Arsenic	3.3 J	NT	NT	10	0.045
Load Line 8	LL8mw-005	Bedrock	Iron	1180	NT	NT	300	11000
			Manganese	2690	NT	NT	50	880
Load Line 9	LL9mw-001	Bedrock	bis(2-Ethylhexyl) phthalate	5.3 J	NT	NT	NS	4.8
Load Line 9	LL9mw-002	Bedrock	bis(2-Ethylhexyl) phthalate	5.6 J	NT	NT	NS	4.8
Load Line 9	LL9mw-003	Bedrock	Iron	3240	NT	NT	300	11000
			Manganese	111	NT	NT	50	880
Load Line 9	LL9mw-004	Bedrock	Iron	10600	NT	NT	300	11000
			Manganese	2290	NT	NT	50	880
Load Line 9	LL9mw-006	Bedrock	Iron	1930	NT	NT	300	11000
			Manganese	677	NT	NT	50	880
Load Line 9	LL9mw-007	Bedrock	Iron	9900	NT	NT	300	11000
			Manganese	1050	NT	NT	50	880
Ramsdell Quarry Landfill	RQLmw-007	Bedrock	Arsenic	71.4	NT	NT	10	0.045
			Iron	23900 J	NT	NT	300	11000
			Manganese	1740	NT	NT	50	880
Ramsdell Quarry Landfill	RQLmw-008	Bedrock	alpha-BHC	0.023 J	NT	NT	NS	0.011
			Arsenic	29.9	NT	NT	10	0.045
			Iron	49600 J	NT	NT	300	11000
			Manganese	408	NT	NT	50	880
Ramsdell Quarry Landfill	RQLmw-009	Bedrock	Arsenic	8.9	NT	NT	10	0.045
			Iron	5280 J	NT	NT	300	11000
			Manganese	1260	NT	NT	50	880
Load Line 1	LL1mw-064	Unconsolidated	Iron	NT	NT	517	300	11000
Load Line 1	LL1mw-065	Unconsolidated	Manganese	NT	NT	256	50	880
Load Line 1	LL1mw-078	Bedrock	Manganese	NT	NT	71	50	880
Load Line 1	LL1mw-080	Bedrock	beta-BHC	NT	NT	0.048 J	NS	0.037
			RDX	NT	NT	88 J	NS	0.61
Load Line 1	LL1mw-081	Bedrock	Iron	NT	NT	4200	300	11000
			Manganese	NT	NT	1830	50	880
			RDX	NT	NT	1	NS	0.61
Load Line 1	LL1mw-082	Bedrock	Iron	NT	NT	5150	300	11000
			Manganese	NT	NT	1080	50	880
Load Line 1	LL1mw-083	Bedrock	2,4,6-Trinitrotoluene	NT	NT	5 J	NS	2.2
			2-Nitrotoluene	NT	NT	0.18 J	NS	0.049
			Aluminum	NT	NT	813	200	36000
			Manganese	NT	NT	497	50	880

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Load Line 1	LL1mw-084	Bedrock	2,4,6-Trinitrolouene	NT	NT	9.2 J	NS	2.2
			Aluminum	NT	NT	335	200	36000
			beta-BHC	NT	NT	0.26 J	NS	0.037
			Manganese	NT	NT	196	50	880
			RDX	NT	NT	0.76 J	NS	0.61
Load Line 1	LL1mw-085	Bedrock	Iron	NT	NT	435	300	11000
			Manganese	NT	NT	564	50	880
Load Line 12	LL12mw-088	Unconsolidated	Arsenic	NT	NT	29.4	10	0.045
			Iron	NT	NT	3890	300	11000
			Manganese	NT	NT	428	50	880
Load Line 12	LL12mw-107	Unconsolidated	Arsenic	NT	NT	9.7	10	0.045
			Iron	NT	NT	2640 J	300	11000
			Manganese	NT	NT	242	50	880
Load Line 12	LL12mw-113	Unconsolidated	Aluminum	NT	NT	103000	200	36000
			Arsenic	NT	NT	249	10	0.045
			Beryllium	NT	NT	5	4	73
			Chromium	NT	NT	163	100	110
			Iron	NT	NT	354000	300	11000
			Lead	NT	NT	127	15	NS
			Manganese	NT	NT	5730	50	880
			Vanadium	NT	NT	179	NS	36
Load Line 12	LL12mw-128	Unconsolidated	Aluminum	NT	NT	1960	200	36000
			Arsenic	NT	NT	47.5	10	0.045
			Iron	NT	NT	6890 J	300	11000
			Manganese	NT	NT	242	50	880
Load Line 12	LL12mw-153	Unconsolidated	Arsenic	NT	NT	21.4	10	0.045
			beta-BHC	NT	NT	0.1 J	NS	0.037
			Iron	NT	NT	3420	300	11000
			Manganese	NT	NT	188	50	880
Load Line 12	LL12mw-154	Unconsolidated	Arsenic	NT	NT	16.2	10	0.045
			Iron	NT	NT	1760	300	11000
			Manganese	NT	NT	85.9	50	880
Load Line 12	LL12mw-182	Unconsolidated	Arsenic	NT	NT	25.6	10	0.045
			Benzo(a)anthracene	NT	NT	0.23	NS	0.092
			Benzo(b)fluoranthene	NT	NT	0.22	NS	0.092
			bis(2-Ethylhexyl) phthalate	NT	NT	4.9 JB	NS	4.8
			Dibenzo(a,h)anthracene	NT	NT	0.21	NS	0.0093
			Indeno(1,2,3-cd)pyrene	NT	NT	0.22	NS	0.092
			Iron	NT	NT	766 J	300	11000
			Manganese	NT	NT	43.7	50	880
Load Line 12	LL12mw-183	Unconsolidated	Arsenic	NT	NT	29.8	10	0.045
			Heptachlor	NT	NT	0.027 J	0.4	0.015
			Iron	NT	NT	867	300	11000
Load Line 12	LL12mw-184	Unconsolidated	Arsenic	NT	NT	15.8	10	0.045
			Iron	NT	NT	2300 J	300	11000
			Manganese	NT	NT	469	50	880
Load Line 12	LL12mw-185	Unconsolidated	Manganese	NT	NT	1380	50	880
			Nitrate-Nitrite	NT	NT	160 J	1	1
Load Line 12	LL12mw-186	Unconsolidated	Manganese	NT	NT	275	50	880
Load Line 12	LL12mw-187	Unconsolidated	Manganese	NT	NT	2020	50	880
			Nitrate-Nitrite ¹	NT	NT	1400	1	1

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)
Load Line 12	LL12mw-188	Unconsolidated	Heptachlor	NT	NT	0.017 J	0.4	0.015
			Manganese	NT	NT	433	50	880
Load Line 12	LL12mw-189	Unconsolidated	Aluminum	NT	NT	298	200	36000
			Arsenic	NT	NT	5.1	10	0.045
			Iron	NT	NT	1320 J	300	11000
			Manganese	NT	NT	310	50	880
Load Line 12	LL12mw-242	Unconsolidated	Arsenic	NT	NT	21.3	10	0.045
			Iron	NT	NT	833	300	11000
			Manganese	NT	NT	56	50	880
Load Line 12	LL12mw-243	Unconsolidated	Arsenic	NT	NT	6.5	10	0.045
			Manganese	NT	NT	281	50	880
			Aluminum	NT	NT	33700	200	36000
Load Line 12	LL12mw-244	Unconsolidated	Arsenic	NT	NT	51.1	10	0.045
			Iron	NT	NT	78800 J	300	11000
			Lead	NT	NT	26	15	NS
			Manganese	NT	NT	955	50	880
			Vanadium	NT	NT	49	NS	36
Load Line 12	LL12mw-245	Unconsolidated	Arsenic	NT	NT	9.1	10	0.045
			Manganese	NT	NT	103	50	880
Load Line 12	LL12mw-246	Unconsolidated	Arsenic	NT	NT	29.7	10	0.045
			Iron	NT	NT	1190 J	300	11000
			Manganese	NT	NT	74.5	50	880
Load Line 2	LL2mw-059	Bedrock	Arsenic	NT	NT	6.4	10	0.045
			Iron	NT	NT	7090	300	11000
			Manganese	NT	NT	5530	50	880
Load Line 2	LL2mw-261	Bedrock	Arsenic	NT	NT	11.2	10	0.045
			Iron	NT	NT	2290	300	11000
			Manganese	NT	NT	375	50	880
Load Line 2	LL2mw-262	Bedrock	Manganese	NT	NT	77.4	50	880
Load Line 2	LL2mw-263	Bedrock	Arsenic	NT	NT	15.4	10	0.045
			Iron	NT	NT	4670	300	11000
			Manganese	NT	NT	1450	50	880
Load Line 2	LL2mw-265	Bedrock	Iron	NT	NT	614	300	11000
			Manganese	NT	NT	1430	50	880
Load Line 2	LL2mw-266	Bedrock	Aluminum	NT	NT	1060	200	36000
			Arsenic	NT	NT	5.6	10	0.045
			bis(2-Ethylhexyl) phthalate	NT	NT	5.8 JB	NS	4.8
			Iron	NT	NT	5080	300	11000
			Manganese	NT	NT	1390	50	880
Load Line 2	LL2mw-267	Bedrock	Iron	NT	NT	1240	300	11000
			Manganese	NT	NT	622	50	880
			RDX	NT	NT	1.1	NS	0.61
Load Line 2	LL2mw-269	Bedrock	Iron	NT	NT	5990	300	11000
			Manganese	NT	NT	1540	50	880
Load Line 2	LL2mw-270	Bedrock	Iron	NT	NT	1420	300	11000
			Manganese	NT	NT	384	50	880
Load Line 3	LL3mw-232	Bedrock	Arsenic	NT	NT	3.5 J	10	0.045
			Manganese	NT	NT	308	50	880
Load Line 3	LL3mw-234	Bedrock	Iron	NT	NT	1210	300	11000
			Manganese	NT	NT	2190 J	50	880
Load Line 3	LL3mw-236	Bedrock	Manganese	NT	NT	235	50	880

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Area	Well Number	Monitored Zone	Analyte	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)
Load Line 3	LL3mw-239	Bedrock	bis(2-Ethylhexyl) phthalate	NT	NT	8.7 JB	NS	4.8
			Carbon tetrachloride	NT	NT	0.37 J	5	0.17
			Chloroform	NT	NT	0.52 J	NS	0.17
			Manganese	NT	NT	101	50	880
			RDX	NT	NT	1.7	NS	0.61
Load Line 4	LL4mw-196	Unconsolidated	bis(2-Ethylhexyl) phthalate	NT	NT	8.2 JB	NS	4.8
			Iron	NT	NT	393	300	11000
			Manganese	NT	NT	183	50	880

Notes:

NS = no standard NT = not tested

All inorganics are filtered, all organics are not filtered

* There are no background levels for organic constituents

J = estimated result. Results have been qualified "J" For more details refer to Data Verification/Validation Reports in the FWGWMP October 2009 and January, and July 2010 Sampling Reports

B = organic or inorganic analysis when the analyte is found in the method blank or any of the field blanks

R = Rejected data

U = analyzed but not detected at or above the reporting limit

Bold = inorganic constituent detected above MCL or Region 9 PRG

1 = mg/l

Table 4-6. Exceedances of MCLs and Region 9 PRGs for the Sharon Conglomerate Wells

Area	Well Number	Analyte	April-09 Level (µg/L)	July-09 Level (µg/L)	Oct-09 Level (µg/L)	Jan-10 Level (µg/L)	Jul-10 Level (µg/L)	MCL (µg/L)	Region 9 PRG (µg/L)
Sharon Conglomerate	SCFmw-001	Aluminum	100 U	100 U	1720	50 U	50 U	200	36000
		Arsenic	3.3 J	5 U	11.7	15.2	13.1	10	0.045
		Iron	6850 J	2960	4760	1320	814	300	11000
		Manganese	767 J	449 J	336	261	194	50	880
Sharon Conglomerate	SCFmw-002	Arsenic	12.2	17	18.6	20.6	12.5	10	0.045
		Iron	100 U	216	645	730	233	300	11000
		Manganese	82.1 J	102 J	92	96.3	67.3	50	880
Sharon Conglomerate	SCFmw-003	Arsenic	3.7 J	5 U	5 U	5 U	5 U	10	0.045
		Iron	187 U	491	610	614	390	300	11000
		Manganese	269 J	271 J	248	243	237	50	880
Sharon Conglomerate	SCFmw-004	Aluminum	100 U	100 U	203	100 U	50 U	200	36000
		Iron	100 U	100 U	316	100 U	50 U	300	11000
		Manganese	697 J	626	646	681	624	50	880
Sharon Conglomerate	SCFmw-005	Arsenic	8.7	8.7	11.3	10	5 U	10	0.045
		Iron	2120 J	2120	2970	2610	4440	300	11000
		Manganese	1660 J	1270 J	1360	1350	1750	50	880
Sharon Conglomerate	SCFmw-006	Arsenic	12.9	12.6	14.1	13.8	12.8	10	0.045
		Iron	318	417	613	569	332	300	11000
		Manganese	176 J	171	171	190	153	50	880

Notes:

NS = no standard NT = not tested

All inorganics are filtered, all organics are not filtered

* There are no background levels for organic constituents

J = estimated result. Results have been qualified "J" For more details refer to Data Verification/Validation Reports

B = organic or inorganic analysis when the analyte is found in the method blank or any of the field blanks

R = Rejected data

U = analyzed but not detected at or above the reporting limit

Bold = inorganic constituent detected above the MCL or Region 9 PRG

No VOCs, pesticides/herbicides or PCBs have been reported to be present above the respective RLs in any Atlas Scrap Yard monitoring well during three or more groundwater sampling events.

1,3,5-Trinitrobenzene, arsenic, bis (2-ethylhexyl) phthalate, iron, manganese and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at the Atlas Scrap Yard. MCLs and PRGs were not exceeded for any of these parameters, except for the iron MCL and the arsenic MCL and PRG.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells ASYmw-002 (manganese down), ASYmw-006 [bis (2-ethylhexyl) phthalate decreasing], ASYmw-008 (arsenic and nickel decreasing), and ASYmw-009 [bis (2-ethylhexyl) phthalate decreasing].

4.3 Demolition Area #2

Sampling at Demolition Area #2 has been conducted since January 2006. Groundwater samples have been obtained from 11 unconsolidated aquifer wells. Only wells DET-003 and DET-004 (RCRA wells) were sampled during this reporting period.

No VOCs, pesticides/herbicides or PCBs have been reported to be present above the respective RLs in wells DET-003 or DET-004 at Demolition Area #2 during three or more groundwater sampling events.

Bis (2-ethylhexyl) phthalate, RDX and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Demolition Area #2. MCLs and PRGs were not exceeded for any of these parameters, except for the RDX PRG.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at well DETmw-004 [bis (2-ethylhexyl) phthalate and zinc decreasing].

4.4 Load Line 1

Sampling at Load Line 1 has been conducted since October 2005. Groundwater samples were obtained from two unconsolidated aquifer wells and 10 bedrock aquifer wells. All wells were sampled during this reporting period.

No VOCs or PCBs have been reported to be present above the respective RLs in any wells at Load Line 1 during three or more groundwater sampling events.

1,3,5-Trinitrobenzene, 2,4,6-trinitrotoluene, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, aluminum, antimony, arsenic

barium, beryllium, beta-BHC, bis (2-ethylhexyl) phthalate, cadmium, cobalt, copper, HMX, iron, manganese, nickel, RDX, thallium and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 1. MCLs were not exceeded for any of these parameters, except for iron and manganese. PRGs were not exceeded for any of these parameters, except 2,4,6-trinitrotoluene, arsenic, beta-BHC, manganese and RDX.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL1mw-064 (barium decreasing), LL1mw-065 (barium decreasing), LL1mw-078 (barium, cobalt and thallium increasing), LL1mw-080 (2,6-dinitrotoluene, aluminum, barium, HMX and RDX increasing) and LL1mw-083 (1,3,5-trinitrobenzene, 4-amino-2,6-dinitrotoluene, aluminum and barium increasing).

4.5 Load Line 2

Sampling at Load Line 2 was been conducted since October 2005. Groundwater samples were obtained from 12 bedrock aquifer wells. All wells were sampled once (i.e., July) during this reporting period.

No VOCs or PCBs have been reported to be present above the respective RLs in any wells at Load Line 2 during three or more groundwater sampling events.

1,3,5-Trinitrobenzene, 1,3-dinitrobenzene, 2,4-dinitrotoluene, 2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, aluminum, antimony, arsenic barium, beta-BHC, bis (2-ethylhexyl) phthalate, cobalt, HMX, iron, manganese, nickel and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 2. MCLs were not exceeded for any of these parameters, except arsenic, iron and manganese. PRGs were not exceeded for any of these parameters, except 1,3-dinitrobenzene, arsenic and manganese.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL2mw-059 (1,3,5-trinitrobenzene decreasing and barium and HMX increasing) and LL2mw-060 (2-amino-4,6-dinitrotoluene increasing and 4-amino-2,6-dinitrotoluene increasing).

4.6 Load Line 3

Sampling at Load Line 3 has been conducted since October 2005. Groundwater samples were obtained from 12 bedrock aquifer wells. All wells were sampled once (i.e., July) during this reporting period.

No VOCs, pesticide/herbicides or PCBs have been reported to be present above the respective RLs in any wells at Load Line 3 during three or more groundwater sampling events.

2,6-Dinitrotoluene, 2-amino-4,6-dinitrotoluene, 4-amino-2,6-dinitrotoluene, barium, bis (2-ethylhexyl) phthalate, HMX, iron, manganese, nickel, RDX and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 3. MCLs were not exceeded for any of these parameters, except iron and manganese. PRGs were not exceeded for any of these parameters, except manganese.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL3mw-232 [bis (2-ethylhexyl) phthalate decreasing and nickel increasing) and LL3mw-234 (2,6-dinitrotoluene decreasing and 2-amino-4,6-dinitrotoluene, HMX, iron, manganese, nickel and RDX increasing).

4.7 Load Line 6

Sampling at Load Line 6 has been conducted since January 2009. Groundwater samples are obtained from four bedrock aquifer wells and three unconsolidated aquifer well. All wells were sampled once (i.e., October) during this reporting period.

No VOCs, pesticide/herbicides or PCBs have been reported to be present above the respective RLs in any wells at Load Line 6 during three or more groundwater sampling events.

1,3,5-Trinitrotoluene, aluminum, arsenic, barium, bis (2-ethylhexyl) phthalate, cadmium, iron, manganese, and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 6. MCLs were not exceeded for any of these parameters, except arsenic, iron and manganese. PRGs were not exceeded for any of these parameters, except arsenic and bis (2-ethylhexyl) phthalate.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL6mw-005 (arsenic and iron increasing), LL6mw-006 (aluminum, manganese and zinc increasing) and LL6mw-007 [bis (2-ethylhexyl) phthalate decreasing and zinc increasing).

4.8 Load Line 7

Sampling at Load Line 7 has been conducted since January 2009. Groundwater samples are obtained from six bedrock aquifer wells. All wells were sampled once (i.e., October) during this reporting period.

No pesticide/herbicides or PCBs have been reported to be present above the respective RLs in any wells at Load Line 6 during three or more groundwater sampling events.

1,1,1-Trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene (total), 1,3,5-trinitrobenzene, barium, bis (2-ethylhexyl) phthalate, cadmium, cobalt, HMX, iron, manganese, nickel, RDX, and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 7. MCLs were not exceeded for any of these parameters, except total 1,1-dichloroethene, iron and manganese. PRGs were not exceeded for any of these parameters, except iron, manganese and RDX.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL7mw-001 (1,1,1-trichloroethane, 1,1-dichloroethane, and 1,1-dichloroethene decreasing), LL7mw-003 [bis (2-ethylhexyl) phthalate increasing], LL7mw-004 [bis (2-ethylhexyl) phthalate increasing], LL7mw-005 (1,3,5-trinitrobenzene decreasing and barium increasing) and LL7mw-006 [bis (2-ethylhexyl) phthalate, HMX and RDX increasing].

4.9 Load Line 8

Sampling at Load Line 8 has been conducted since January 2009. Groundwater samples are obtained from two bedrock aquifer wells and four unconsolidated aquifer wells. All wells were sampled once (i.e., October) during this reporting period.

No VOCs, pesticide/herbicides or PCBs have been reported to be present above the respective RLs in any wells at Load Line 8 during three or more groundwater sampling events.

1,3,5-Trinitrobenzene, aluminum, arsenic, barium, bis (2-ethylhexyl) phthalate, iron, manganese, and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 8. MCLs were not exceeded for any of these parameters, except iron and manganese. PRGs were not exceeded for any of these parameters, except arsenic, bis (2-ethylhexyl) phthalate and manganese.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL8mw-001 (1,1,1-trichloroethane, 1,1-dichloroethane, and 1,1-dichloroethene decreasing), LL8mw-001 (barium and manganese increasing), LL8mw-002 (1,3,5-trinitrobenzene decreasing; barium, iron and manganese increasing), LL8mw-003 (aluminum, barium and manganese increasing), LL8mw-004 (barium and manganese increasing), and LL8mw-005 (manganese and zinc decreasing; iron increasing).

4.10 Load Line 9

Sampling at Load Line 9 has been conducted since January 2009. Groundwater samples are obtained from seven bedrock aquifer wells. All wells were sampled once (i.e., October) during this reporting period.

No VOCs, explosives, pesticide/herbicides or PCBs have been reported to be present above the respective RLs in any wells at Load Line 8 during three or more groundwater sampling events.

Aluminum, barium, bis (2-ethylhexyl) phthalate, cobalt, iron, manganese, nickel and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 9. MCLS were not exceeded for any of these parameters, except iron and manganese. PRGs were not exceeded for any of these parameters, except bis (2-ethylhexyl) phthalate and manganese.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL9mw-002 (aluminum and nickel decreasing), LL9mw-003 (iron increasing), LL9mw-005 (zinc increasing) and LL9mw-006 (iron increasing).

4.11 Load Line 10

Sampling at Load Line 10 has been conducted since January 2009. Groundwater samples are obtained from five bedrock aquifer wells and one unconsolidated aquifer well. All wells were sampled once (October 2009) during this reporting period.

No pesticides/herbicides, explosives or PCBs have been reported to be present above the respective RLs in any Load Line 10 monitoring well during three or more groundwater sampling events.

Barium, bis (2-ethylhexyl) phthalate, carbon tetrachloride, chloroform, manganese, and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 10. MCLs were not exceeded for any of these parameters. PRGs were not exceeded for any of these parameters, except bis (2-ethylhexyl) phthalate, carbon tetrachloride and chloroform.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL10mw-001 (carbon tetrachloride decreasing), LL10mw-002 [bis (2-ethylhexyl) phthalate increasing], LL10mw-003 (carbon tetrachloride and chloroform decreasing), LL10mw-004 (zinc decreasing), LL10mw-005 (manganese decreasing) and LL10mw-006 (barium decreasing).

4.12 Load Line 11

Sampling at Load Line 11 has been conducted since October 2005. Groundwater samples are obtained from 10 unconsolidated aquifer wells. All wells were sampled once (October 2009) during this reporting period.

No VOCs, pesticides/herbicides or PCBs have been reported to be present above the respective RLs at Load Line 1 during three or more groundwater sampling events.

Aluminum, barium, bis (2-ethylhexyl) phthalate, cadmium, iron, manganese, nickel and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 11. MCLs were not exceeded for any of these parameters, except cadmium, iron and manganese. PRGs were not exceeded for any of these parameters, except bis (2-ethylhexyl) phthalate.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL11mw-001 (manganese increasing), LL11mw-003 (zinc decreasing and manganese increasing), LL11mw-004 (cadmium and zinc decreasing and manganese increasing) and LL11mw-010 (barium and manganese increasing).

4.13 Load Line 12

Sampling at Load Line 12 was conducted since October 2005. Groundwater samples were obtained from four bedrock aquifer wells and 15 unconsolidated aquifer wells. All wells were sampled once (i.e., July) during this reporting period.

No PCB isomer is present above the respective RLs at Load Line 12 during three or more groundwater sampling events.

Aluminum, antimony, arsenic, barium, beryllium, beta-BHC, bis (2-ethylhexyl) phthalate, cadmium, chromium, cobalt, copper, HMX, iron, lead, manganese, nickel, nitrate-nitrite, nitrobenzene, nitrocellulose, o-xylene, thallium total xylenes, vanadium and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at Load Line 12. MCLs were not exceeded, except aluminum, arsenic, beryllium, cadmium, iron, lead, manganese and nitrate-nitrite. PRGs were not exceeded, except aluminum, arsenic, beta-BHC, bis (2-ethylhexyl) phthalate, cadmium, iron, manganese, nitrate-nitrite and vanadium.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells LL12mw-113 (arsenic, barium, beryllium, chromium, cobalt, copper, iron, lead, manganese, nickel, vanadium and zinc increasing), LL12mw-187 (barium decreasing), LL12mw-188 (manganese decreasing), LL12mw-242 (iron increasing), LL12mw-243 (manganese decreasing) and LL12mw-244 (arsenic, barium, manganese and zinc increasing).

4.14 Ramsdell Quarry Landfill

Sampling at the Ramsdell Quarry Landfill has been conducted since October 2005. Groundwater samples are obtained from 12 bedrock aquifer wells. All wells were sampled once (i.e., October) during this reporting period.

No VOCs, explosives or PCBs have been reported to be present above the respective RLs at Load Line 1 during three or more groundwater sampling events.

Antimony, arsenic, barium, beta-BHC, bis (2-ethylhexyl) phthalate, cobalt, iron, manganese, nickel, thallium and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells at the Ramsdell Quarry Landfill. MCLs were not exceeded, except arsenic, iron and manganese. PRGs were not exceeded, except arsenic, bis (2-ethylhexyl) phthalate, iron and manganese.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells RQLmw-007 (arsenic, barium, cobalt and manganese decreasing), RQLmw-008 (arsenic, barium, iron and manganese decreasing) and RQLmw-009 (arsenic, barium and manganese decreasing).

4.15 Sharon Conglomerate

Sampling of the Sharon Conglomerate has been conducted since April 2009. Groundwater samples have been collected from six wells.

No explosives, pesticide/herbicides or PCBs have been reported to be present above the respective RLs at Load Line 1 during three or more groundwater sampling events.

Antimony, arsenic, barium, bis (2-ethylhexyl) phthalate, carbon disulfide, iron, manganese, nickel and zinc were reported to be present above the RL during three or more groundwater sampling events in one or more wells Sharon Conglomerate wells. MCLs were not exceeded, except arsenic, iron and manganese. PRGs were not exceeded, except arsenic, bis (2-ethylhexyl) phthalate and manganese.

The time-trend graphs in Appendix F show concentration-change trends (either increasing or decreasing) at wells SCFmw-001 (antimony, iron, manganese and nickel decreasing), SCFmw-002 (antimony and zinc decreasing), SCFmw-003 (antimony and zinc decreasing), SCFmw-004 (antimony decreasing), SCF mw-005 (antimony, and zinc decreasing; iron increasing) and SCFmw-006 (antimony decreasing).

4.16 MCL and Region 9 PRG Exceedances

Tables 4-5 and 4-6 lists all wells and COPCs reported to be present in samples collected during the FWGWMP in October 2009 and January and July 2010 (as well as April and

july 2009 for the SCF wells) at concentrations greater than either the MCLs or the PRGs. This section summarizes those conditions and is presented by analyte group (e.g., inorganics, explosives, etc.).

4.16.1 Inorganics

Aluminum (11 wells), arsenic (37 wells), beryllium, (1 well), chromium (1 well), iron (59 wells), lead (2 wells), manganese (80 wells), nitrate-nitrite (2 wells) and vanadium (2 wells) are the inorganics reported to be present in samples at concentrations exceeding MCLs or PRGs during at least one sample event in 88 wells sampled during the reporting period. As general observations: 1) the aluminum MCL was exceeded, but not the PRG; 2) all arsenic concentrations exceeded the PRG and 67% exceeded the MCL; 3) the beryllium concentration exceeds the MCL but not the PRG; 4) the chromium MCL was exceeded, but not the PRG; 5) iron MCL was exceed but only 11% exceeded the PRG; 6) the lead MCL was exceeded and there is no PRG; 7) the manganese MCL was exceeded but less than 50% exceeded the PRG; 8) the nitrate-nitrite MCL and PRG were exceeded and 9) the vanadium PRG was exceeded, but there is no MCL.

4.16.2 Volatile Organic Compounds

1,1-Dichloroethene (1 well), carbon tetrachloride (2 wells), chloroform (3 wells) and tetrachloroethene (1 wells) are the VOCs reported to be present in samples at concentrations exceeding either the MCLs or PRGs during at least one sample event in 88 wells sampled during the reporting period. As general observations: 1) the 1,1-dichloroethene MCL was exceeded, but not the PRG; 2) the carbon tetrachloride PRG was exceeded, but not the MCL; 3) the chloroform PRG was exceed and there is no MCL; 4) the tetrachloroethene PRG was exceeded, but not the MCL.

4.16.3 Semivolatile Organic Compounds

Bis (2-ethylhexyl)phthalate (14 wells), benzo (a) anthracene (1 well), benzo (b) fluoranthene (1 well), dibenzo (a,h) anthracene (1 well), and indeno (1,2,3-cd) pyrene (1 well) are the SVOCs reported to be present in samples at concentrations exceeding the MCLs or PRGs during at least one sample event in 88 wells sampled during the reporting period. As general observations: 1) the bis (2-ethylhexyl) phthalate PRG was exceeded, but there is no MCL, 2) the benzo (a) anthracene, benzo (b) fluoranthene, dibenzo (a,h) anthracene, and indeno (1,2,3-cd) pyrene PRGs were exceeded, but there are no MCLs.

4.16.4 Pesticides and Herbicides

alpha-BHC (1 well), beta-BHC (3 wells) and heptachlor (2 wells) were the pesticides or herbicides reported to be present in samples at concentrations exceeding the MCLs or PRGs during at least one sample event in 88 wells sampled during the reporting period. The reported concentrations exceed the PRGs and there are no MCLs.

4.16.5 Explosives and Propellants

2,4,6-Trinitrotoluene (2 wells), **2-nitrotoluene** (1 well) and **RDX** (6 wells) are the explosives and propellants reported to be present in samples at concentrations exceeding the respective PRGs during at least one sample event in 88 wells sampled during the reporting period.. There are no MCLs for these explosives and propellants.

4.16.6 Perchlorates

As shown in Table 4-3 the deep Sharon Conglomerate wells were analyzed for perchlorates during this reporting period. No perchlorates were detected at levels exceeding the Region 9 PRG of 3.6 µg/L, or the Drinking Water Equivalent Level (DWEL) of 24.5 µg/L.

4.17 Assessment of Groundwater Remedial Action Effectiveness

Groundwater remedial actions have not been performed to date at RVAAP and therefore are not discussed in this report. The facility-wide groundwater conditions are still being evaluated, including background levels for inorganics. No remedial activities associated with the groundwater are planned at this time.

SECTION 5

FWGWMP ANNUAL RECOMMENDATIONS/REVIEW

5.1 FWGWMP Annual Recommendations

It is recommended that the FWGWMP groundwater monitoring continue as scheduled until all FWGWMP wells at the facility have been sampled and analyzed a minimum of 4 quarters. Additionally as discussed in Section 1.6, the existing well monitoring schedule as presented in Appendix A will be followed going into 2011 through the April 2011 monitoring event. A meeting between the USACE and RVAAP stakeholders was held on December 1-2, 2010 to present a revised groundwater monitoring well schedule for future groundwater monitoring at the facility. The proposed monitoring program includes a discussion of schedule, frequency, wells to be sampled, and constituents to be monitored. The proposed groundwater monitoring well schedule is currently subject to Ohio EPA review and approval.

5.2 Background Well Issues

Previous discussions between the Army and the Ohio EPA have dealt with concerns that the background wells may have been impacted by the facility. The specific issues related to the background wells at RVAAP include the presence of explosives and the exceedance of health/aesthetic criteria (MCLs). An additional question is related to the presence of naturally occurring elements (e.g., aluminum, copper, nickel, etc) previously establish to have a "0" background concentration in background wells. Prior to addressing the concern that background needs to be re-evaluated, it is necessary to point out that the background data are not conclusive that explosives are present. While a few explosive compounds have been reported in samples at estimated ("J") concentrations, these reports are isolated and not recurrent. Background wells can be used to address one or both of the following: 1) define regional water-quality conditions without the effects of human activities and 2) define the quality of groundwater flowing into an area of interest (e.g., AOC) from a neighboring site that may show effects of outside actions (i.e., groundwater contaminated from other sources). The Army recognizes that there are issues associated with background water-quality data and suggests that background data require re-evaluation. This re-evaluation should include the actual quality of water in the wells and the location of the wells with respect to objective. The Army considers the FWGWMP to be a fluid program allowing for re-evaluation and re-definition. The Army has initiated this re-evaluation with the presentation in October 2007 of the Draft Proposal to Update the Facility-Wide Ground Water Monitoring Program. The major premise of this document is that previous interpretations of the groundwater regime at RVAAP are not completely accurate. If the Ohio EPA agrees with this conclusion and the subsequent reinterpretation of groundwater flow systems, the locations and objectives of background wells can be re-considered. Inspection of the locations of background wells in relationship to the newly interpreted groundwater flow regime (as described in the Annual Report) suggests that only wells BKGmw-005, BKGmw-006, and BKGmw-

018 may be located to establish unaffected regional water-quality conditions. All other background wells may be located hydraulically down gradient from activities and practices at RVAAP that may result in measurable affects.

Following the completion of the initial groundwater monitoring for all wells at the facility, the data will be further evaluated as it relates to background issues.

Additionally the USACE recently determined that a specialized geochemical study is needed to better characterize the background ground water quality at the site. The geochemical study is also necessary for optimization of the FWGWMPP. The sampling and analysis necessary for this evaluation was conducted in October 2009, and the report is currently in Draft review by all stakeholders.

SECTION 6

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- 9

APPENDIX A

**CORRESPONDENCE DOCUMENTING THE CHANGE IN WELLS TO BE
SAMPLED**

Subject: Documentation of Groundwater Scheduling Meeting

From: "Nichter, Mark W LRL" <Mark.W.Nichter@usace.army.mil>

Date: Wed, 26 May 2010 14:55:15 -0400

To: "Eileen Mohr" <eileen.mohr@epa.state.oh.us>, "Conni McCambridge" <conni.mccambridge@epa.state.oh.us>, "John Miller" <jmiller@eqm.com>, "Fredrick E Gebhardt" <gebhardt@usgs.gov>, "Brian Mailot" <bemailot@usgs.gov>, "Patterson, Mark C Mr CIV USA OSA" <mark.c.patterson@us.army.mil>, "Beckham, Glen LRL" <Glen.Beckham@usace.army.mil>, "Esler, Christy L Ms ARMY GUEST USA OSA USA" <christy.esler@us.army.mil>

CC: "Todd Fisher" <todd.fisher@epa.state.oh.us>, "Vicki Deppisch" <vicki.deppisch@epa.state.oh.us>, "Ralph J Haefner" <rhaefner@usgs.gov>, "Jeff Langman" <jlangman@usgs.gov>, "Mitchell, Cristie L LRL" <Cristie.L.Mitchell@usace.army.mil>, "Peters, Nathaniel II LRL" <Nathaniel.Peters.II@usace.army.mil>, "Chanda, Thomas M LRL" <Thomas.M.Chanda@usace.army.mil>, "Stolte, Nicholas J LRL (Intern)" <Nicholas.J.Stolte@usace.army.mil>, "Kinder, Derek S LRL" <Derek.S.Kinder@usace.army.mil>, "Krantz, Kathy J LRL" <Kathy.J.Krantz@usace.army.mil>, "Trumble, Jay N LRL" <Jay.N.Trumble@usace.army.mil>, "Cheng, Eric S LRL" <Eric.S.Cheng@usace.army.mil>, "Cullen, Joan T LRL" <Joan.T.Cullen@usace.army.mil>, "Schmidt, Angela L LRL" <Angela.L.Schmidt@usace.army.mil>

The USACE and EQM hosted a meeting on 26 May to discuss the schedule for the 2010 groundwater monitoring program. Ravenna team members addressed in this correspondence (To) attended the meeting. The primary purpose of the meeting was to discuss the path forward for "when" to conduct the quarterly groundwater monitoring events in 2010 since the April 2010 monitoring event did not occur. The typical annual monitoring schedule includes the April, July, October, and January sampling events.

John Miller of EQM provided several options for a revised monitoring schedule. The first option included the possible monitoring of wells during the alternate months of June, September, and November of 2010, and March 2011. He indicated that EQM could meet this schedule; however, this schedule would result in the submittal of a draft September 2010 report at the same time the draft 2010 Annual report is submitted (on or before December 15th).

The second option proposed dropping the spring 2010 sampling event from the 2010 schedule, and rotating the schedule to include monitoring during the months of July and October 2010, and January and April of 2011. This schedule would fulfill EQM's contractual commitments, and would allow the FWGWMP to remain on the former seasonal monitoring schedule. The spring 2010 monitoring event simply would not be conducted during the 2010 program.

In support of the second option, I indicated that the DFFOs and the FWGWMP Plan do not specify that groundwater monitoring is required on each and every quarterly event. In other words, omitting the April 2010 monitoring event is not in violation of the DFFOs or the FWGWMP Plan. Eileen Mohr indicated the Ohio EPA would conduct its own review of the requirements to verify my understanding.

Eileen Mohr agreed to adopt the second option of dropping the spring 2010 monitoring event, and sliding the quarterly events forward. Eileen also indicated that responses to Vicki Deppisch's recent review comments pertaining to the monitoring well schedule are still required by the USACE to

close the loop on related outstanding issues.

Mark Patterson indicated that a good strategy is needed for the summer groundwater meeting. I common understanding of the path forward is necessary before conducting the meeting. Eileen Mohr requested more information on the decision processes for assessing groundwater.

Glen Beckham questioned whether seasonal consistency would be affected by not conducting the spring 2010 sampling event. Conni McCambridge and I both assured Glen that the seasonal consistency should not be an issue due to the consistent and repetitive nature of the existing groundwater data.

It was noted that all participants in the upcoming summer groundwater meeting are required to read Ravenna's approved FWGWMP Plan (see attached) prior to attending the meeting. If you don't read the FWGWMP Plan, then please don't attend the meeting. It's that important - Mark Nichter

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Comments on our Environmental Services are invited:
http://ice.disa.mil/index.cfm?fa=card&site_id=915&service_provider_id=115446

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Attachment B: 2010 Well Sampling Schedule
Facility-Wide Groundwater Monitoring Program
Ravenna Army Ammunition Plant
Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters									List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate					
Background	BKGMw-004	Unconsolidated																				The USACE anticipates this well is representative of background with respect to the unconsolidated aquifer. Resampling is requested.
	BKGMw-005	Unconsolidated	Annual				1	1	1	1	1	1	1	1	1							
	BKGMw-006	Sharon	Annual				1	1	1	1	1	1	1	1	1							The USACE anticipates this well is representative of background with respect to the upper portion of the Sharon Sandstone. Resampling is requested.
	BKGMw-008	Sharon	Annual				1	1	1	1	1	1	1	1	1				Yes			Down-gradient of all AOCs (per FWGWMP Plan)
	BKGMw-010	Sharon	Annual				1	1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate	Yes	Yes		Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	BKGMw-012	Sharon																				
	BKGMw-013	Unconsolidated																				
	BKGMw-015	Sharon	Annual				1	1	1	1	1	1	1	1	1			Arsenic	Yes			Down-gradient of all AOCs (per FWGWMP Plan)
	BKGMw-016	Unconsolidated																				
	BKGMw-017	Unconsolidated																Arsenic	Yes			
	BKGMw-018	Sharon	Annual				1	1	1	1	1	1	1	1	1							The USACE anticipates this well is representative of background with respect to the upper portion of the Sharon Sandstone. Resampling is requested.
	BKGMw-019	Unconsolidated																				
	BKGMw-020	Unconsolidated																				
	BKGMw-021	Unconsolidated	Annual				1	1	1	1	1	1	1	1	1							Down-gradient of all AOCs (per FWGWMP Plan)
	LL1mw-063	Sharon																				
	LL1mw-064	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate	Yes		Yes	Well is located hydraulically down-gradient of Load Line 1, and is in close proximity to the east RVAAP fence line. Monitoring is recommended.
	LL1mw-065	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate	Yes		Yes	Well is located hydraulically down-gradient of Load Line 1, and is in close proximity to the east RVAAP fence line. Monitoring is recommended.
	LL1mw-067	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4		1					Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL1mw-078	Sharon	Annual	1				1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate	Yes		Yes	Well is located down-gradient of LL-1.
	LL1mw-079	Sharon																Bis(2-ethylhexyl)phthalate	Yes			

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Facility-Wide Groundwater Monitoring Program
Ravenna Army Ammunition Plant
Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters									List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection	
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite							Perchlorate
Load Line 1	LL1mw-080	Sharon	Annual	1				1	1	1	1	1	1	1	1	1		Arsenic, Lead	Yes	Yes		Yes	Lead, Iron, Manganese, and Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Added to 2010 program for annual monitoring. Down-gradient of LL-1.
	LL1mw-081	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL1mw-082	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL1mw-083	Sharon	Annual	1				1	1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes	Yes		Yes	2,4-Dinitrotoluene, 2,6-dinitrotoluene, 2-Amino-4,6-dinitrotoluene, and 4-Amino-2,6-dinitrotoluene detected at concentration above CUG. Added to 2010 program for annual monitoring. Down-gradient of LL-1.
	LL1mw-084	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL1mw-085	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL2mw-059	Sharon	Annual	1				1	1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes	Yes		Yes	Well is located down-gradient of LL-2.
	LL2mw-060	Sharon	Annual	1				1	1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes	Yes			Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL2mw-261	Sharon	Annual	1				1	1	1	1	1	1	1	1	1		Arsenic, Bis(2-ethylhexyl)phthalate	Yes				Time-Trend graph presented in 2009 Annual FWGWMP report suggests Arsenic is increasing in concentrations (above background, PRG, and MCL value).
	LL2mw-262	Sharon	Annual	1				1	1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes			Yes	Time-Trend graph presented in 2009 Annual FWGWMP report suggests Magnesium is increasing in concentrations (above background value). Down-gradient of LL-2.

Attachment B: 2010 Well Sampling Schedule
Facility-Wide Groundwater Monitoring Program
Ravenna Army Ammunition Plant
Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters										List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate						
Load Line 2	LL2mw-263	Sharon	Annual	1				1	1	1	1	1	1	1	1			Arsenic, Bis(2-ethylhexyl)phthalate	Yes	Yes		Yes	Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring. Down-gradient of LL-2.
	LL2mw-264																	Bis(2-ethylhexyl)phthalate	Yes				
	LL2mw-265		Annual	1				1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate	Yes				Well is located hydraulically down-gradient of Load Line 2, and is in close proximity to RVAAP fence line. Monitoring is recommended.
	LL2mw-266	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4		1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL2mw-267	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4		1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL2mw-268	Sharon																Bis(2-ethylhexyl)phthalate	Yes				
	LL2mw-269	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4		1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL2mw-270	Sharon	Annual	1				1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate, Pentachlorophenol	Yes	Yes			Manganese, Bis(2-ethylhexyl)phthalate, and Pentachlorophenol detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL3mw-232	Sharon	Annual	1				1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate					Time-Trend graph presented in 2009 Annual FWGWMP report suggests Magnesium is increasing in concentrations (above background value)
	LL3mw-233	Sharon																					
	LL3mw-234	Sharon	Annual	1				1	1	1	1	1	1	1	1			Bis(2-ethylhexyl)phthalate	Yes	Yes			Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL3mw-235	Sharon																					
	LL3mw-236	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4		1						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.

Attachment B: 2010 Well Sampling Schedule
Facility-Wide Groundwater Monitoring Program
Havenna Army Ammunition Plant
Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
Load Line 3	LL3mw-237	Sharon	Annual			1		1	1	1	1	1	1	1	1			Yes			2-Amino-4,6-dinitrotoluene, and 4-Amino-2,6-dinitrotoluene detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL3mw-238	Sharon	Annual			1		1	1	1	1	1	1	1	1			Yes	Yes		2-Amino-4,6-dinitrotoluene, 4-Amino-2,6-dinitrotoluene and 2,4,6-Trinitrotoluene detected at concentration above CUG. Added to 2010 program for annual monitoring. Down-gradient of LL-3.
	LL3mw-239	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4						Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in April Monitoring Event at the Request of the OEPA.
	LL3mw-240	Sharon																Yes			
	LL3mw-241	Sharon																Yes			
Load Line 4	LL3mw-242	Sharon	Annual			1		1	1	1	1	1	1	1	1			Yes		Yes	Well is down-gradient of LL-3.
	LL3mw-243	Sharon	Annual			1		1	1	1	1	1	1	1	1			Yes		Yes	Well is located hydraulically down-gradient of Load Line 3, and is in close proximity to RVAAP fence line. Monitoring is recommended.
	LL4mw-193	Unconsolidated	Annual				1	1	1	1	1	1	1	1	1			Yes			Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL4mw-194	Unconsolidated																			
	LL4mw-195	Unconsolidated	Annual				1	1	1	1	1	1	1	1	1			Yes			Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL4mw-196	Unconsolidated	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	1					Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL4mw-197	Unconsolidated	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	1					Well added to FWGWMP for 2010. Previously excluded from expanded FWGWMP. Sample for Perchlorate in July Monitoring Event.
	LL4mw-198	Unconsolidated	Annual					1	1	1	1	1	1	1	1					Yes	Well is down-gradient of LL-4.
	LL4mw-199	Unconsolidated	Annual					1	1	1	1	1	1	1	1					Yes	Well is down-gradient of LL-4.

Attachment B: 2010 Well Sampling Schedule
Facility-Wide Groundwater Monitoring Program
Ravenna Army Ammunition Plant
Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
Load Line 5	LL4mw-200	Unconsolidated	Annual				1	1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate			Yes	Well is located hydraulically down-gradient of Load Line 4, and is located in close proximity to a natural surface drainage feature that drains Load Line 4. Monitoring is recommended.
	LL5mw-001	Homewood																			
	LL5mw-002	Homewood																			
	LL5mw-003	Unconsolidated																Yes			
	LL5mw-004	Homewood																			
	LL5mw-005	Homewood																Yes			
Load Line 6	LL5mw-006	Homewood																Yes			
	LL6mw-001	Unconsolidated	Annual		1			1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes	Yes		Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL6mw-002	Unconsolidated																			
	LL6mw-003	Homewood																Yes			
	LL6mw-004	Homewood	Annual		1			1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes	Yes		Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL6mw-005	Homewood	Annual		1			1	1	1	1	1	1	1	1		Arsenic	Yes			Time-Trend graph presented in 2009 Annual FWG/WMP report suggests Arsenic is increasing in concentrations (above background, tap water, and MCL values)
Load Line 7	LL6mw-006	Unconsolidated																			
	LL6mw-007	Homewood																Yes			
	LL7mw-001	Homewood	Annual		1			1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate, 1,1-Dichloroethane	Yes, No	Yes		1,1-Dichloroethane detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL7mw-002	Homewood																Yes			
	LL7mw-003	Homewood	Annual		1			1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes	Yes		Iron detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL7mw-004	Homewood																Yes			
Load Line 7	LL7mw-005	Homewood	Annual		1			1	1	1	1	1	1	1	1		Bis(2-ethylhexyl)phthalate	Yes	Yes		Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL7mw-006	Homewood																Yes			

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	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
RVAAP Area	LL8mw-001	Unconsolidated																Yes			
	LL8mw-002	Unconsolidated																Yes			
	LL8mw-003	Unconsolidated	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Bis(2-ethylhexyl)phthalate declined at concentration above CUG. Added to 2010 program for annual monitoring.
	LL8mw-004	Unconsolidated																Yes			
	LL8mw-005	Homewood																Yes			
	LL8mw-006	Homewood																Yes			
Load Line 8	LL9mw-001	Homewood																Yes			
	LL9mw-002	Homewood	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Bis(2-ethylhexyl)phthalate declined at concentration above CUG. Added to 2010 program for annual monitoring.
	LL9mw-003	Homewood																Yes			
	LL9mw-004	Homewood	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Manganese declined at concentration above CUG. Added to 2010 program for annual monitoring.
	LL9mw-005	Homewood																Yes			
	LL9mw-006	Homewood																Yes			
Load Line 9	LL9mw-007	Homewood																Yes			
	LL10mw-001	Homewood																Yes			
	LL10mw-002	Homewood	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Manganese declined at concentration above CUG. Added to 2010 program for annual monitoring.
	LL10mw-003	Homewood	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Carbon Tetrachloride declined at concentration above CUG. Added to 2010 program for annual monitoring.
	LL10mw-004	Homewood																Yes			
	LL10mw-005	Homewood																Yes			
Load Line 10	LL10mw-006	Unconsolidated																Yes			
	LL11mw-001	Unconsolidated	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Bis(2-ethylhexyl)phthalate declined at concentration above CUG. Added to 2010 program for annual monitoring.
	LL11mw-002	Unconsolidated	Annual		1			1	1	1	1	1	1	1	1					Yes	Well is down-gradient of LL-11.
	LL11mw-003	Unconsolidated																Yes			

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Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCGs?	Do Chemicals Exceed FWCGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
Load Line 11	LL11mw-004	Unconsolidated																Yes			
	LL11mw-005	Unconsolidated																Yes			
	LL11mw-006	Unconsolidated																Yes			
	LL11mw-007	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1			Yes		Yes	Time-Trend graph presented in 2009 Annual FWGWP report suggests Arsenic is increasing in concentrations (above background, tap water, and MCL values). Well is down-gradient of LL-11.
	LL11mw-008	Unconsolidated																			
	LL11mw-009	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1			Yes			Trichloroethylene and Tetrachloroethylene detected at concentration above CUG. Added to 2010 program for annual monitoring.
	LL11mw-010	Unconsolidated																			
	LL12mw-088	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes			Sample all wells in Load Line 12 per discussion with Ohio EPA.
	LL12mw-107	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes			Sample all wells in Load Line 12 per discussion with Ohio EPA.
	LL12mw-113	Sharon Shale	Annual	1				1	1	1	1	1	1	1	1	1		Yes			Time-Trend graph presented in 2009 Annual FWGWP report suggests Manganese is increasing in concentrations (above background value).
Load Line 12	LL12mw-128	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes			Arsenic historically detected above background and MCL.
	LL12mw-153	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes		Yes	Well is down-gradient of LL-12. Arsenic historically detected above background and MCL.
	LL12mw-154	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes			Arsenic historically detected above background and MCL.
	LL12mw-182	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes		Yes	Well is down-gradient of LL-12. Arsenic historically detected above background and MCL.
	LL12mw-183	Sharon Shale	Annual	1				1	1	1	1	1	1	1	1	1		Yes		Yes	Well is down-gradient of LL-12. Arsenic historically detected above background and MCL.
	LL12mw-184	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes		Yes	Well is down-gradient of LL-12. Arsenic historically detected above background and MCL.
	LL12mw-185	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1	1		Yes			Well selected for annual sampling in 2010 program to support the anticipated RA process and LTM for Load Line 12. Nitrate detected at concentration above CUG.

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RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, Include in program.	Is Well a RCRA Well? If yes, Include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide						
Load Line 12	LL12mw-186	Sharon Shale	Annual	1				1	1	1	1	1	1	1	1			Yes	Well is down-gradient of LL-12. Sample all wells in Load Line 12 per discussion with Ohio EPA.		
	LL12mw-187	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1				Well selected for annual sampling in 2010 program to support the anticipated RA process and LTM for Load Line 12. Nitrate detected at concentration above CUG.		
	LL12mw-188	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1				Sample all wells in Load Line 12 per discussion with Ohio EPA.		
	LL12mw-189	Sharon Shale	Annual	1				1	1	1	1	1	1	1	1		Yes		Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.		
	LL12mw-242	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1		Yes		Well selected for annual sampling in 2010 program to support the anticipated RA process and LTM for Load Line 12.		
	LL12mw-243	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1		Yes		Arsenic historically detected above background and MCL.		
	LL12mw-244	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1		Yes		Lead detected at concentration above CUG. Added to 2010 program for annual monitoring.		
Atlas Scrap Yard	LL12mw-245	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1		Yes		Well selected for annual sampling in 2010 program to support the anticipated RA process and LTM for Load Line 12.		
	LL12mw-246	Unconsolidated	Annual	1				1	1	1	1	1	1	1	1		Yes		Well selected for annual sampling in 2010 program to support the anticipated RA process and LTM for Load Line 12.		
	ASYmw-001	Sharon																			
	ASYmw-002	Sharon																			
	ASYmw-003	Sharon	Annual				1	1	1	1	1	1	1	1	1		Yes		Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.		
	ASYmw-004	Sharon																			
	ASYmw-005	Sharon																			
	ASYmw-006	Sharon																			
	ASYmw-007	Unconsolidated																			

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RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
	ASYmw-008	Unconsolidated																Yes			
	ASYmw-009	Sharon																Yes			
	ASYmw-010	Unconsolidated																Yes			
Building 1200	B12mw-010	Sharon	Annual				1	1	1	1	1	1	1	1	1			Yes			Indeno(1,2,3-cd)pyrene and Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	B12mw-011	Sharon																Yes			
	B12mw-012	Sharon	Annual				1	1	1	1	1	1	1	1	1			Yes			Time-Trend graph presented in 2009 Annual FWGWMP report suggests Bis(2-ethylhexyl)phthalate is increasing in concentrations.
C-Block Quarry	CBLmw-001	Homewood																Yes			
	CBLmw-002	Homewood																Yes			
	CBLmw-003	Homewood																Yes			
	CBLmw-004	Homewood	Annual				1	1	1	1	1	1	1	1	1			Yes			Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
Central Burn Pits	CBPmw-001	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Time-Trend graphs presented in 2009 Annual FWGWMP report suggests Arsenic and Magnesium are increasing in concentrations (above background values)
	CBPmw-002	Unconsolidated																Yes			
	CBPmw-003	Unconsolidated																Yes			
	CBPmw-004	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Arsenic detected at concentration above CUG. Added to 2010 program for annual monitoring.
	CBPmw-005	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes		Yes	Monitors GW flow to Sand Creek.
	CBPmw-006	Unconsolidated																Yes			
	CBPmw-007	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes		Yes	Monitors GW flow to Sand Creek.
	CBPmw-008	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Time-Trend graph presented in 2009 Annual FWGWMP report suggests Magnesium is increasing in concentrations (above background value)
	CPmw-001	Unconsolidated																Yes			

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RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
Cobbs Pond	CPmw-002	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	CPmw-003	Unconsolidated																Yes			
	CPmw-004	Unconsolidated																Yes			
	CPmw-005	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Time-Trend graph presented in 2009 Annual FWGWMP report suggests Barium is increasing in concentrations (above background value)
	CPmw-006	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Manganese and Naphthalene detected at concentration above CUG. Added to 2010 program for annual monitoring.
	DET-001B DET-002	Unconsolidated Unconsolidated																			
Open Demolition Area 2	DET-003	Unconsolidated	Semi-Annual		1		1	2	2	2	2	2	2	2	2			Yes	Yes		RCRA well. Bi-Annual monitoring required by DFF&Os.
	DET-004	Unconsolidated	Semi-Annual		1		1	2	2	2	2	2	2	2	2			Yes	Yes		RCRA well. Bi-Annual monitoring required by DFF&Os.
	DA2mw-104	Unconsolidated																			
	DA2mw-105	Unconsolidated																			
	DA2mw-106	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring. Time-Trend graph presented in 2009 Annual FWGWMP report suggests Magnesium is increasing in concentration
	DA2mw-107	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1					Yes	Down-gradient to ODA2 RCRA Unit.
	DA2mw-108	Unconsolidated																Yes			
	DA2mw-109	Unconsolidated																Yes			
	DA2mw-110	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	DA2mw-111	Unconsolidated																Yes			
	DA2mw-112	Unconsolidated																Yes			
	DA2mw-113	Unconsolidated																Yes			

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RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
Erie Burning Grounds	EBGmw-123	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring. Time-Trend graph presented in 2009 Annual FWGMMP report suggests Arsenic is increasing in concentration (above background value)
	EBGmw-124	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes			Lead detected at concentration above CUG. Added to 2010 program for annual monitoring.
	EBGmw-125	Unconsolidated																Yes			
	EBGmw-126	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1			Yes		Yes	Well is located at Erie Burning Ground adjacent to the northern RVAAP fence line. Monitoring is recommended.
	EBGmw-127	Unconsolidated																Yes			
	EBGmw-128	Unconsolidated																Yes			
	EBGmw-129	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1					Yes	Well is located at Erie Burning Ground adjacent to the northern RVAAP fence line. Monitoring is recommended.
	EBGmw-130	Unconsolidated																			
	FBQmw-166	Unconsolidated																			
	FBQmw-167	Unconsolidated																			
Fuze and Booster Quarry	FBQmw-168	Homewood																Yes			
	FBQmw-169	Homewood	Annual			1		1	1	1	1	1	1	1	1			Yes			Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring.
	FBQmw-170	Homewood																Yes			
	FBQmw-171	Homewood																Yes			
	FBQmw-172	Homewood	Annual			1		1	1	1	1	1	1	1	1			Yes			Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring. Time-Trend graph presented in 2009 Annual FWGMMP report suggests Bis (2-ethylhexyl)phthalate is increasing in concentrations (above PRG or tap water value)
	FBQmw-173	Homewood	Annual			1		1	1	1	1	1	1	1	1			Yes			

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RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters									List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite						
RVAAP Area	FBQmw-174	Homewood	Annual			1		1	1	1	1	1	1	1	1	1		Yes			2,4,6-Trinitrotoluene, 2-Amino-4,6-dinitrotoluene, and 4-Amino-2,6-dinitrotoluene detected at concentration above CUG. Added to 2010 program for annual monitoring.	
	FBQmw-175	Homewood																				
	FBQmw-176	Unconsolidated																				
	FBQmw-177	Homewood																				
Landfill North of Winklepeck	LNWmw-024	Unconsolidated																				
	LNWmw-025	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1	1	Yes			Arsenic detected at concentration above CUG. Added to 2010 program for annual monitoring.		
	LNWmw-026	Unconsolidated																				
	LNWmw-027	Unconsolidated																				
	NTAmw-107	Unconsolidated																				
	NTAmw-108	Unconsolidated																				
	NTAmw-109	Unconsolidated																				
NACA Test Area	NTAmw-110	Unconsolidated															Yes					
	NTAmw-111	Unconsolidated																				
	NTAmw-112	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1	1	Yes			Time-Trend graph presented in 2009 Annual FWGWMP report suggests Arsenic is increasing in concentrations (above background, PRG and MCL values)		
	NTAmw-113	Unconsolidated	Annual			1		1	1	1	1	1	1	1	1	1	Yes			Lead detected at concentration above CUG. Added to 2010 program for annual monitoring.		
	NTAmw-114	Unconsolidated																				
	NTAmw-115	Unconsolidated																				
	NTAmw-116	Unconsolidated																				
	NTAmw-117	Unconsolidated																				
	NTAmw-118	Unconsolidated																				

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Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection
			Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite	Perchlorate				
RVAAP Area	RQLmw-006	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Arsenic, Iron, Manganese, and Nickel detected at concentration above CUG. Added to 2010 program for annual monitoring.
	RQLmw-007	Semi-Annual		1		1	2	2	2	2	2	2	2	2			Yes	Yes		RCRA well. Bi-Annual monitoring required by DFF&Os. Arsenic, Iron, and Manganese detected at concentrations above CUGs.
	RQLmw-008	Semi-Annual		1		1	2	2	2	2	2	2	2	2			Yes	Yes		RCRA well. Bi-Annual monitoring required by DFF&Os. Arsenic and Iron detected at concentrations above CUGs.
	RQLmw-009	Semi-Annual		1		1	2	2	2	2	2	2	2	2			Yes	Yes		RCRA well. Bi-Annual monitoring required by DFF&Os. Arsenic, Manganese, and Bis(2-ethylhexyl)phthalate detected at concentrations above CUGs.
Ramsdell Quarry Landfill	RQLmw-010	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Manganese and Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	RQLmw-011	Annual		1			1	1	1	1	1	1	1	1			Yes	Yes		Tetrachloroethylene, and Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
	RQLmw-012																			
	RQLmw-013																			
	RQLmw-014	Annual			1		1	1	1	1	1	1	1	1			Yes	Yes		Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring.
	RQLmw-015																			
	RQLmw-016	Annual			1		1	1	1	1	1	1	1	1			Yes	Yes		Manganese and Iron detected at concentration above CUG. Added to 2010 program for annual monitoring.
	RQLmw-017	Annual			1		1	1	1	1	1	1	1	1			Yes	Yes		Manganese detected at concentration above CUG. Added to 2010 program for annual monitoring.

Attachment B: 2010 Well Sampling Schedule
Facility-Wide Groundwater Monitoring Program
Ravenna Army Ammunition Plant
Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters								List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, Include in program.	Is Well a RCRA Well? If yes, Include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection	
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide							Nitrate/Nitrite
Winklepeck Burning Grounds	WBGmw-005	Unconsolidated	Annual			1			1	1	1	1	1	1	1	1		Yes			Time-Trend graph presented in 2009 Annual FWGWMP report suggests Manganese is increasing in concentrations (above background, PRG and MCL values)	
	WBGmw-006	Unconsolidated	Annual			1			1	1	1	1	1	1	1	1		Yes		Yes	Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-007	Unconsolidated	Annual			1			1	1	1	1	1	1	1	1		Yes		Yes	Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-008	Unconsolidated	Annual			1			1	1	1	1	1	1	1	1		Yes		Yes	Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-009	Unconsolidated	Annual			1			1	1	1	1	1	1	1	1		Yes		Yes	Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-010	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-011	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-012	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-013	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-014	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-015	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-016	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	WBGmw-017	Unconsolidated																Yes			Hexahydro-1,3,5-trinitro-1,3,5-triazine detected at concentration above CUG. Well monitors GW flow to Sand Creek. Added to 2010 program for annual monitoring.	
	Suspected Mustard Agent Burial Site	MBS-001	Unconsolidated	Annual			1			1	1	1	1	1	1	1	1		Yes	Yes		Bis(2-ethylhexyl)phthalate detected at concentration above CUG. Added to 2010 program for annual monitoring.
		MBS-002	Unconsolidated																Yes			
		MBS-003	Unconsolidated																Yes			
		MBS-004	Unconsolidated																Yes			
MBS-005		Unconsolidated																Yes				
MBS-006		Unconsolidated																Yes				

Attachment B: 2010 Well Sampling Schedule
 Facility-Wide Groundwater Monitoring Program
 Ravenna Army Ammunition Plant
 Ravenna, Ohio

RVAAP Area	Location / Well ID	Monitored Zone	Proposed Sample Frequency	Proposed Sample Schedule				Proposed Analytical Parameters									List Chemicals that Exceed 2009 MCLs?	Do Chemicals with MCL Exceedances have FWCUGs?	Do Chemicals Exceed FWCUGs? If yes, include in program.	Is Well a RCRA Well? If yes, include in program.	Is Well Located Down-Gradient of AOC with FWCUG Exceedances (or other Sensitive Areas)? If yes, include in program.	Rationale For / Against Selection	
				Apr 2010	Jul 2010	Oct 2010	Jan 2011	VOCs	SVOCs	Explosives	Propellants	Pesticides	PCBs	TAL Metals	Cyanide	Nitrate/Nitrite							Perchlorate
Facility-Wide Groundwater: Basal Sharon Conglomerate Wells	SCFmw-001	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	4			Well added to FWGWMP for 2010. Quarterly monitoring recommended in support of initial characterization performed by SAIC.			
	SCFmw-002	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	4			Well added to FWGWMP for 2010. Quarterly monitoring recommended in support of initial characterization performed by SAIC.			
	SCFmw-003	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	4			Well added to FWGWMP for 2010. Quarterly monitoring recommended in support of initial characterization performed by SAIC.			
	SCFmw-004	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	4			Well added to FWGWMP for 2010. Quarterly monitoring recommended in support of initial characterization performed by SAIC.			
	SCFmw-005	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	4			Well added to FWGWMP for 2010. Quarterly monitoring recommended in support of initial characterization performed by SAIC.			
	SCFmw-006	Sharon	Quarterly	1	1	1	1	4	4	4	4	4	4	4	4	4	4			Well added to FWGWMP for 2010. Quarterly monitoring recommended in support of initial characterization performed by SAIC.			
TOTALS =				51	41	49	42	183	183	183	183	183	183	183	183	43	11						

Former Ground Water Analytical Results Exhibits Contaminant Concentrations Above CUGs
 FWGWMP CERCLA Wells - Highlighted Red
 FWGWMP RCRA Wells - Highlighted Blue

APPENDIX B

LIST OF WELLS SAMPLED PER QUARTER

Wells Monitored During The October 2009 Event

Well ID	Location
LL6mw-005	Load Line 6
LL6mw-006	Load Line 6
LL6mw-007	Load Line 6
LL7mw-001	Load Line 7
LL7mw-002	Load Line 7
LL7mw-003	Load Line 7
LL7mw-004	Load Line 7
LL7mw-005	Load Line 7
LL7mw-006	Load Line 7
LL8mw-001	Load Line 8
LL8mw-002	Load Line 8
LL8mw-003	Load Line 8
LL8mw-004	Load Line 8
LL8mw-005	Load Line 8
LL8mw-006	Load Line 8
LL9mw-001	Load Line 8
LL9mw-002	Load Line 8
LL9mw-003	Load Line 8
LL9mw-004	Load Line 8
LL9mw-005	Load Line 8
LL9mw-006	Load Line 8
LL9mw-007	Load Line 8
LL10mw-001	Load Line 10
LL10mw-002	Load Line 10
LL10mw-003	Load Line 10
LL10mw-004	Load Line 10
LL10mw-005	Load Line 10
LL10mw-006	Load Line 10
LL11mw-001	Load Line 11
LL11mw-003	Load Line 11
LL11mw-004	Load Line 11
LL11mw-005	Load Line 11
LL11mw-006	Load Line 11
LL11mw-008	Load Line 11
LL11mw-009	Load Line 11
LL11mw-010	Load Line 11
ASYmw-001	Atlas Scrap Yard
ASYmw-002	Atlas Scrap Yard
ASYmw-003	Atlas Scrap Yard
ASYmw-004	Atlas Scrap Yard
ASYmw-005	Atlas Scrap Yard
ASYmw-006	Atlas Scrap Yard
ASYmw-007	Atlas Scrap Yard
ASYmw-008	Atlas Scrap Yard
ASYmw-009	Atlas Scrap Yard
ASYmw-010	Atlas Scrap Yard

Wells Monitored During The October 2009 Event

DETmw-003	Demolition Area 2
DETmw-004	Demolition Area 2
RQLmw-007	Ramsdell Quarry
RQLmw-008	Ramsdell Quarry
RQLmw-009	Ramsdell Quarry

Wells Monitored During The January 2010 Event

Well ID	Location
LL11mw-009	Load Line 11
ASYmw-001	Atlas Scrap Yard
ASYmw-002	Atlas Scrap Yard
ASYmw-003	Atlas Scrap Yard
ASYmw-004	Atlas Scrap Yard
ASYmw-005	Atlas Scrap Yard
ASYmw-006	Atlas Scrap Yard
ASYmw-007	Atlas Scrap Yard
ASYmw-008	Atlas Scrap Yard
ASYmw-009	Atlas Scrap Yard
ASYmw-010	Atlas Scrap Yard

Wells Monitored During The July 2010 Event

Well ID	Location
LL1mw-064	Load Line 1
LL1mw-065	Load Line 1
LL1mw-067	Load Line 1
LL1mw-078	Load Line 1
LL1mw-080	Load Line 1
LL1mw-081	Load Line 1
LL1mw-082	Load Line 1
LL1mw-083	Load Line 1
LL1mw-084	Load Line 1
LL1mw-085	Load Line 1
LL2mw-059	Load Line 2
LL2mw-060	Load Line 2
LL2mw-261	Load Line 2
LL2mw-262	Load Line 2
LL2mw-263	Load Line 2
LL2mw-265	Load Line 2
LL2mw-266	Load Line 2
LL2mw-267	Load Line 2
LL2mw-269	Load Line 2
LL2mw-270	Load Line 2
LL3mw-232	Load Line 3
LL3mw-234	Load Line 3
LL3mw-236	Load Line 3
LL3mw-239	Load Line 3
LL4mw-196	Load Line 4
LL4mw-197	Load Line 4
LL12mw-088	Load Line 12
LL12mw-107	Load Line 12
LL12mw-113	Load Line 12
LL12mw-128	Load Line 12
LL12mw-153	Load Line 12
LL12mw-154	Load Line 12
LL12mw-182	Load Line 12
LL12mw-183	Load Line 12
LL12mw-184	Load Line 12
LL12mw-185	Load Line 12
LL12mw-186	Load Line 12
LL12mw-187	Load Line 12
LL12mw-188	Load Line 12
LL12mw-189	Load Line 12
LL12mw-242	Load Line 12
LL12mw-243	Load Line 12
LL12mw-244	Load Line 12
LL12mw-245	Load Line 12
LL12mw-246	Load Line 12

Wells Monitored During The July 2010 Event

Well ID	Location
SCFmw-001	Sharon Deep Wells
SCFmw-002	Sharon Deep Wells
SCFmw-003	Sharon Deep Wells
SCFmw-004	Sharon Deep Wells
SCFmw-005	Sharon Deep Wells
SCFmw-006	Sharon Deep Wells

APPENDIX C

WATER LEVEL MEASUREMENT FIELD SHEETS

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
ASY MW-001	Atlas Scrap Yard	1/20/2010	10:10	13.14	23.05	Hard	05767
ASY MW-002	Atlas Scrap Yard	1/20/2010	10:15	16.97	22.88	Hard	05767
ASY MW-003	Atlas Scrap Yard	1/20/2010	10:05	14.18	23.45	Hard	05767
ASY MW-004	Atlas Scrap Yard	1/20/2010	10:00	10.46	29.73	Hard	05767
ASY MW-005	Atlas Scrap Yard	1/20/2010	9:50	8.51	27.12	Hard	05767
ASY MW-006	Atlas Scrap Yard	1/20/2010	9:35	15.29	28.83	Hard	05767
ASY MW-007	Atlas Scrap Yard	1/20/2010	9:30	16.36	28.82	Hard	05767
ASY MW-008	Atlas Scrap Yard	1/20/2010	9:25	5.22	26.25	Soft	05767
ASY MW-009	Atlas Scrap Yard	1/20/2010	9:45	13.86	24.30	Soft	05767
ASY MW-010	Atlas Scrap Yard	1/20/2010	9:40	13.51	31.05	Hard	05767
B12 MW-010	Building 1200	1/19/2010	16:45	18.59	22.80	Hard	05769
B12 MW-011	Building 1200	1/19/2010	16:52	22.34	26.70	Hard	05769
B12 MW-012	Building 1200	1/19/2010	16:39	23.55	24.80	Hard	05769
BKG MW-004	Background	1/19/2010	16:05	14.70	22.22	Hard	05769
BKG MW-005	Background	1/18/2010	15:15	11.52	20.88	Hard	05767
BKG MW-006	Background	1/19/2010	15:26	24.43	37.50	Hard	05769
BKG MW-008	Background	1/19/2010	15:56	19.34	27.35	Hard	05769
BKG MW-010	Background	1/19/2010	16:57	15.55	21.96	Hard	05769
BKG MW-012	Background	1/19/2010	8:37	8.80	62.11	Soft	05769
BKG MW-013	Background	1/19/2010	14:53	12.64	28.09	Hard	OH02911
BKG MW-015	Background	1/19/2010	16:22	49.25	52.97	Hard	05769
BKG MW-016	Background	1/18/2010	14:55	4.02	21.14	Hard	05767
BKG MW-017	Background	1/19/2010	15:40	16.56	35.92	Hard	05769
BKG MW-018	Background	1/18/2010	16:15	21.62	27.53	Hard	05767

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
BKG MW-019	Background	1/19/2010	8:25	7.85	35.61	Hard	OH02911
BKG MW-020	Background	1/19/2010	16:12	20.14	33.32	Hard	05769
BKG MW-021	Background	1/18/2010	15:30	17.38	21.43	Hard	05767
CBL MW-001	C-Block Quarry	1/18/2010	15:40	46.62	51.60	Medium	05767
CBL MW-002	C-Block Quarry	1/18/2010	15:45	41.01	47.32	Hard	05767
CBL MW-003	C-Block Quarry	1/18/2010	16:06	39.45	44.67	Medium	05767
CBL MW-004	C-Block Quarry	1/18/2010	15:50	38.94	47.01	Hard	05767
CBP MW-001	Central Burn Pits	1/19/2010	10:53	14.03	34.24	Soft	05769
CBP MW-002	Central Burn Pits	1/19/2010	11:10	10.17	31.83	Soft	05769
CBP MW-003	Central Burn Pits	1/19/2010	10:30	12.74	30.18	Hard	05769
CBP MW-004	Central Burn Pits	1/19/2010	10:46	11.34	29.61	Medium	05769
CBP MW-005	Central Burn Pits	1/19/2010	10:41	12.53	27.37	Soft	05769
CBP MW-006	Central Burn Pits	1/19/2010	9:00	8.48	25.20	Soft	05769
CBP MW-007	Central Burn Pits	1/19/2010	10:26	16.45	31.73	Hard	05769
CBP MW-008	Central Burn Pits	1/19/2010	8:53	16.29	27.89	Hard	05769
CP MW-001	Cobbs Pond	1/18/2010	16:47	1.86	14.85	Hard	OH02911
CP MW-002	Cobbs Pond	1/19/2010	11:25	0.15	14.99	Hard	05769
CP MW-003	Cobbs Pond	1/18/2010	16:53	0.58	17.83	Hard	OH02911
CP MW-004	Cobbs Pond	1/19/2010	10:10	10.43	22.53	Hard	05769
CP MW-005	Cobbs Pond	1/19/2010	10:15	12.08	43.15	Hard	05769
CP MW-006	Cobbs Pond	1/19/2010	8:43	7.75	20.61	Hard	05769
DA2 MW-104	Demo Area 2	1/19/2010	12:22	22.23	29.19	Hard	05769
DA2 MW-105	Demo Area 2	1/19/2010	12:27	2.90	16.20	Hard	05769
DA2 MW-106	Demo Area 2	1/19/2010	12:35	7.75	16.76	Hard	05769

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
DA2 MW-107	Demo Area 2	1/19/2010	12:59	6.51	16.82	Hard	05769
DA2 MW-108	Demo Area 2	1/19/2010	11:53	5.78	17.13	Hard	05769
DA2 MW-109	Demo Area 2	1/19/2010	13:20	14.02	24.24	Soft	05769
DA2 MW-110	Demo Area 2	1/19/2010	13:28	7.61	22.34	Hard	05769
DA2 MW-111	Demo Area 2	1/19/2010	13:12	3.76	14.78	Hard	05769
DA2 MW-112	Demo Area 2	1/19/2010	13:08	6.55	17.04	Hard	05769
DA2 MW-113	Demo Area 2	1/19/2010	13:05	7.34	16.28	Hard	05769
DET MW-001	Demo Area 2	1/19/2010	12:17	23.53	38.50	Hard	05769
DET MW-002	Demo Area 2	1/19/2010	12:00	32.29	41.93	Soft	05769
DET MW-003	Demo Area 2	1/19/2010	12:45	9.15	16.01	Hard	05769
DET MW-004	Demo Area 2	1/19/2010	12:53	9.51	13.80	Hard	05769
EBG MW-123	Erie Burning Grounds	1/18/2010	13:27	9.28	34.73	Hard	05769
EBG MW-124	Erie Burning Grounds	1/18/2010	13:17	2.90	32.63	Soft	05769
EBG MW-125	Erie Burning Grounds	1/18/2010	13:33	11.37	27.43	Hard	05769
EBG MW-126	Erie Burning Grounds	1/18/2010	13:54	1.91	27.80	Medium	05769
EBG MW-127	Erie Burning Grounds	1/18/2010	14:03	4.32	32.82	Medium	05769
EBG MW-128	Erie Burning Grounds	1/18/2010	14:10	6.21	28.19	Hard	05769
EBG MW-129	Erie Burning Grounds	1/18/2010	13:41	5.29	30.90	Hard	05769
EBG MW-130	Erie Burning Grounds	1/18/2010	13:04	5.93	28.38	Hard	05769
FBQ MW-166	Fuze and Booster Quarry	1/19/2010	13:50	5.57	19.69	Hard	05769
FBQ MW-167	Fuze and Booster Quarry	1/19/2010	13:59	4.48	18.95	Hard	05769
FBQ MW-168	Fuze and Booster Quarry	1/19/2010	14:45	12.93	21.21	Hard	05769
FBQ MW-169	Fuze and Booster Quarry	1/19/2010	13:56	4.94	18.05	Hard	05769
FBQ MW-170	Fuze and Booster Quarry	1/19/2010	14:22	21.93	32.66	Hard	05769

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
FBQ MW-171	Fuze and Booster Quarry	1/19/2010	14:41	21.64	31.38	Hard	05769
FBQ MW-172	Fuze and Booster Quarry	1/19/2010	14:32	30.31	34.36	Medium	05769
FBQ MW-173	Fuze and Booster Quarry	1/19/2010	14:06	46.96	52.95	Medium	05769
FBQ MW-174	Fuze and Booster Quarry	1/19/2010	14:12	20.89	22.99	Soft	05769
FBQ MW-175	Fuze and Booster Quarry	1/19/2010	14:19	21.51	25.78	Soft	05769
FBQ MW-176	Fuze and Booster Quarry	1/19/2010	14:49	10.45	23.60	Soft	05769
FBQ MW-177	Fuze and Booster Quarry	1/19/2010	14:53	13.88	24.74	Soft	05769
LL1 MW-063	Loadline 1	1/18/2010	13:32	30.06	30.19	Hard	OH02911
LL1 MW-064	Loadline 1	1/18/2010	14:17	3.14	21.20	Hard	OH02911
LL1 MW-065	Loadline 1	1/18/2010	14:14	13.26	23.20	Hard	OH02911
LL1 MW-067	Loadline 1	1/18/2010	13:18	22.35	25.82	Hard	OH02911
LL1 MW-078	Loadline 1	1/18/2010	13:28	35.83	41.22	Medium	OH02911
LL1 MW-079	Loadline 1	1/18/2010	13:58	36.19	41.85	Hard	OH02911
LL1 MW-080	Loadline 1	1/18/2010	13:54	12.71	22.47	Hard	OH02911
LL1 MW-081	Loadline 1	1/18/2010	13:46	33.66	42.10	Hard	OH02911
LL1 MW-082	Loadline 1	1/18/2010	13:42	36.77	41.67	Medium	OH02911
LL1 MW-083	Loadline 1	1/18/2010	13:35	36.97	41.52	Hard	OH02911
LL1 MW-084	Loadline 1	1/18/2010	13:39	32.56	39.18	Hard	OH02911
LL1 MW-085	Loadline 1	1/18/2010	13:51	38.40	40.06	Hard, Obstruction?	OH02911
LL10 MW-001	Loadline 10	1/19/2010	16:06	25.63	29.54	Hard	05769
LL10 MW-002	Loadline 10	1/19/2010	16:15	18.30	29.75	Hard	05769
LL10 MW-003	Loadline 10	1/19/2010	15:55	20.99	28.59	Hard	05767
LL10 MW-004	Loadline 10	1/19/2010	16:05	13.98	33.49	Hard	05767
LL10 MW-005	Loadline 10	1/19/2010	16:15	16.39	29.19	Hard	05767

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LL10 MW-006	Loadline 10	1/19/2010	16:10	12.78	26.45	Hard	05767
LL11 MW-001	Loadline 11	1/19/2010	11:25	8.43	23.31	Medium	05767
LL11 MW-002	Loadline 11	1/19/2010	12:05	0.72	16.39	Hard	05767
LL11 MW-003	Loadline 11	1/19/2010	12:35	<0.08	16.05	Hard	05767
LL11 MW-004	Loadline 11	1/19/2010	12:30	<0.08	16.15	Hard	05767
LL11 MW-005	Loadline 11	1/19/2010	12:20	6.78	16.37	Hard	05767
LL11 MW-006	Loadline 11	1/19/2010	12:15	2.88	15.68	Hard	05767
LL11 MW-007	Loadline 11	1/19/2010	12:10	13.60	25.26	Hard	05767
LL11 MW-008	Loadline 11	1/19/2010	11:55	<0.08	15.67	Hard	05767
LL11 MW-009	Loadline 11	1/19/2010	11:30	2.10	19.48	Hard	05767
LL11 MW-010	Loadline 11	1/19/2010	11:40	3.53	23.42	Hard	05767
LL12 MW-088	Loadline 12	1/19/2010	13:20	7.77	27.50	Hard	OH02911
LL12 MW-107	Loadline 12	1/19/2010	13:15	10.51	33.78	Hard	OH02911
LL12 MW-113	Loadline 12	1/19/2010	12:23	5.34	21.56	Soft	OH02911
LL12 MW-128	Loadline 12	1/19/2010	13:05	11.89	34.16	Soft	OH02911
LL12 MW-153	Loadline 12	1/19/2010	12:54	6.68	25.18	Hard	OH02911
LL12 MW-154	Loadline 12	1/19/2010	12:57	9.66	28.72	Hard	OH02911
LL12 MW-182	Loadline 12	1/19/2010	13:49	10.95	38.09	Hard	OH02911
LL12 MW-183	Loadline 12	1/19/2010	13:34	13.52	36.41	Hard	OH02911
LL12 MW-184	Loadline 12	1/19/2010	13:24	13.64	31.16	Hard	OH02911
LL12 MW-185	Loadline 12	1/19/2010	12:37	8.99	23.35	Hard	OH02911
LL12 MW-186	Loadline 12	1/19/2010	14:00	5.72	20.82	Hard	OH02911
LL12 MW-187	Loadline 12	1/19/2010	12:30	10.41	29.71	Hard	OH02911
LL12 MW-188	Loadline 12	1/19/2010	12:49	4.10	22.19	Soft	OH02911

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LL12 MW-189	Loadline 12	1/19/2010	13:54	3.25	20.08	Soft	OH02911
LL12 MW-242	Loadline 12	1/20/2010	10:30	9.19	28.81	Soft	05767
LL12 MW-243	Loadline 12	1/19/2010	13:09	10.03	25.52	Soft	OH02911
LL12 MW-244	Loadline 12	1/19/2010	12:33	11.00	32.08	Soft	OH02911
LL12 MW-245	Loadline 12	1/19/2010	13:12	8.88	30.29	Soft	OH02911
LL12 MW-246	Loadline 12	1/19/2010	12:42	18.21	35.10	Hard	OH02911
LL2 MW-059	Loadline 2	1/18/2010	14:25	15.16	21.98	Soft	OH02911
LL2 MW-060	Loadline 2	1/18/2010	14:32	11.31	20.91	Hard	OH02911
LL2 MW-261	Loadline 2	1/18/2010	15:01	7.04	22.56	Hard	OH02911
LL2 MW-262	Loadline 2	1/18/2010	14:54	9.63	22.75	Hard	OH02911
LL2 MW-263	Loadline 2	1/18/2010	14:48	8.52	23.53	Hard	OH02911
LL2 MW-264	Loadline 2	1/18/2010	14:44	6.81	22.48	Hard	OH02911
LL2 MW-265	Loadline 2	1/18/2010	14:29	11.30	24.53	Hard	OH02911
LL2 MW-266	Loadline 2	1/18/2010	14:51	12.44	22.82	Hard	OH02911
LL2 MW-267	Loadline 2	1/18/2010	15:07	9.59	22.82	Hard	OH02911
LL2 MW-268	Loadline 2	1/18/2010	14:38	14.70	30.00	Medium	OH02911
LL2 MW-269	Loadline 2	1/18/2010	14:58	16.89	30.39	Hard	OH02911
LL2 MW-270	Loadline 2	1/18/2010	16:05	7.95	22.51	Medium	OH02911
LL3 MW-232	Loadline 3	1/18/2010	16:00	23.06	39.94	Soft	OH02911
LL3 MW-233	Loadline 3	1/18/2010	15:55	27.77	32.89	Hard	OH02911
LL3 MW-234	Loadline 3	1/18/2010	16:10	9.87	22.74	Hard	OH02911
LL3 MW-235	Loadline 3	1/18/2010	16:13	20.05	23.02	Hard	OH02911
LL3 MW-236	Loadline 3	1/18/2010	16:19	18.72	26.68	Hard	OH02911
LL3 MW-237	Loadline 3	1/18/2010	15:49	17.09	25.65	Hard	OH02911

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LL3 MW-238	Loadline 3	1/18/2010	15:45	15.34	23.44	Hard	OH02911
LL3 MW-239	Loadline 3	1/18/2010	15:40	26.61	36.76	Soft	OH02911
LL3 MW-240	Loadline 3	1/18/2010	16:33	28.81	36.78	Soft	OH02911
LL3 MW-241	Loadline 3	1/18/2010	15:29	10.31	25.67	Hard	OH02911
LL3 MW-242	Loadline 3	1/18/2010	15:34	17.53	22.61	Hard	OH02911
LL3 MW-243	Loadline 3	1/18/2010	15:12	16.83	26.42	Hard	OH02911
LL4 MW-193	Loadline 4	1/19/2010	14:18	6.42	24.38	Soft	OH02911
LL4 MW-194	Loadline 4	1/19/2010	14:24	8.22	23.61	Medium	OH02911
LL4 MW-195	Loadline 4	1/19/2010	14:31	11.15	22.91	Soft	OH02911
LL4 MW-196	Loadline 4	1/19/2010	14:34	13.57	21.89	Hard	OH02911
LL4 MW-197	Loadline 4	1/19/2010	14:37	14.86	23.69	Hard	OH02911
LL4 MW-198	Loadline 4	1/19/2010	14:42	9.82	22.06	Soft	OH02911
LL4 MW-199	Loadline 4	1/19/2010	14:14	8.13	23.27	Medium	OH02911
LL4 MW-200	Loadline 4	1/19/2010	14:06	18.80	25.28	Medium	OH02911
LL5 MW-001	Loadline 5	1/19/2010	15:00	20.50	26.98	Hard	05767
LL5 MW-002	Loadline 5	1/19/2010	15:35	21.33	27.49	Hard	05767
LL5 MW-003	Loadline 5	1/19/2010	15:30	20.32	23.93	Hard	05767
LL5 MW-004	Loadline 5	1/19/2010	15:25	18.33	25.27	Medium	05767
LL5 MW-005	Loadline 5	1/19/2010	15:10	22.03	29.65	Soft	05767
LL5 MW-006	Loadline 5	1/19/2010	15:15	20.61	27.05	Hard	05767
LL6 MW-001	Loadline 6	1/19/2010	14:30	13.84	17.59	Hard	05767
LL6 MW-002	Loadline 6	1/19/2010	14:20	21.25	24.45	Hard	05767
LL6 MW-003	Loadline 6	1/19/2010	14:25	16.89	25.64	Medium	05767
LL6 MW-004	Loadline 6	1/19/2010	14:15	17.48	24.50	Hard	05767

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LL6 MW-005	Loadline 6	1/19/2010	14:10	12.25	22.14	Hard	05767
LL6 MW-006	Loadline 6	1/19/2010	13:50	15.70	17.56	Hard	05767
LL6 MW-007	Loadline 6	1/19/2010	14:05	5.99	19.33	Hard	05767
LL7 MW-001	Loadline 7	1/19/2010	13:20	21.28	33.04	Hard	05767
LL7 MW-002	Loadline 7	1/19/2010	13:15	17.09	27.14	Hard	05767
LL7 MW-003	Loadline 7	1/19/2010	13:05	12.01	33.53	Hard	05767
LL7 MW-004	Loadline 7	1/19/2010	13:00	15.39	32.22	Hard	05767
LL7 MW-005	Loadline 7	1/19/2010	12:50	22.48	30.32	Hard	05767
LL7 MW-006	Loadline 7	1/19/2010	12:45	10.50	30.30	Hard	05767
LL8 MW-001	Loadline 8	1/18/2010	16:25	11.99	27.40	Soft	05767
LL8 MW-002	Loadline 8	1/18/2010	16:40	18.62	32.55	Hard	05767
LL8 MW-003	Loadline 8	1/18/2010	16:30	13.09	23.00	Hard	05767
LL8 MW-004	Loadline 8	1/18/2010	16:45	11.29	22.70	Hard	05767
LL8 MW-005	Loadline 8	1/18/2010	17:06	13.74	27.08	Medium	05767
LL8 MW-006	Loadline 8	1/18/2010	16:50	10.48	27.00	Hard	05767
LL9 MW-001	Loadline 9	1/19/2010	15:40	15.78	23.27	Hard	05767
LL9 MW-002	Loadline 9	1/19/2010	15:31	10.83	22.82	Hard	OH02911
LL9 MW-003	Loadline 9	1/19/2010	15:35	11.61	24.26	Hard	OH02911
LL9 MW-004	Loadline 9	1/19/2010	15:14	21.75	34.74	Hard	OH02911
LL9 MW-005	Loadline 9	1/19/2010	15:28	16.13	23.57	Hard	OH02911
LL9 MW-006	Loadline 9	1/19/2010	15:18	19.36	28.88	Hard	OH02911
LL9 MW-007	Loadline 9	1/19/2010	15:23	9.63	18.23	Hard	OH02911
LNW MW-024	Landfill North Winklepeck	1/19/2010	9:00	12.50	22.51	Hard	05767
LNW MW-025	Landfill North Winklepeck	1/19/2010	8:55	4.98	20.30	Hard	05767

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LNW MW-026	Landfill North Winklepeck	1/19/2010	8:50	3.73	25.94	Hard	05767
LNW MW-027	Landfill North Winklepeck	1/19/2010	8:40	7.05	28.85	Hard	05767
MBS MW-001	Suspect Mustard Area	1/18/2010	13:00	17.51	30.98	Hard	05767
MBS MW-002	Suspect Mustard Area	1/18/2010	13:15	18.11	31.13	Hard	05767
MBS MW-003	Suspect Mustard Area	1/18/2010	12:45	18.71	30.70	Hard	05767
MBS MW-004	Suspect Mustard Area	1/18/2010	12:50	16.74	27.16	Hard	05767
MBS MW-005	Suspect Mustard Area	1/18/2010	13:10	17.75	30.00	Soft	05767
MBS MW-006	Suspect Mustard Area	1/18/2010	12:55	17.20	28.10	Medium	05767
NTA MW-107	NACA Test Area	1/18/2010	13:30	12.92	24.01	Soft	05767
NTA MW-108	NACA Test Area	1/18/2010	13:40	18.06	24.43	Medium	05767
NTA MW-109	NACA Test Area	1/18/2010	13:45	12.10	20.88	Soft	05767
NTA MW-110	NACA Test Area	1/18/2010	14:00	14.39	29.74	Hard	05767
NTA MW-111	NACA Test Area	1/18/2010	14:05	3.20	22.05	Hard	05767
NTA MW-112	NACA Test Area	1/18/2010	14:45	9.08	26.60	Hard	05767
NTA MW-113	NACA Test Area	1/18/2010	14:40	7.02	29.60	Hard	05767
NTA MW-114	NACA Test Area	1/18/2010	14:35	6.11	22.75	Hard	05767
NTA MW-115	NACA Test Area	1/18/2010	14:30	13.74	25.25	Hard	05767
NTA MW-116	NACA Test Area	1/18/2010	14:15	4.23	22.55	Hard	05767
NTA MW-117	NACA Test Area	1/18/2010	14:20	13.13	27.49	Hard	05767
NTA MW-118	NACA Test Area	1/18/2010	14:25	8.79	24.69	Hard	05767
RQL MW-006	Ramsdell Quarry	1/18/2010	14:52	38.12	41.96	Hard	05769
RQL MW-007	Ramsdell Quarry	1/18/2010	14:22	9.86	18.56	Hard	05769
RQL MW-008	Ramsdell Quarry	1/18/2010	14:31	9.42	18.60	Hard	05769
RQL MW-009	Ramsdell Quarry	1/18/2010	15:06	7.54	18.76	Hard	05769

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

JANUARY 2010

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
RQL MW-010	Ramsdell Quarry	1/19/2010	15:42	29.01	35.25	Hard	05769
RQL MW-011	Ramsdell Quarry	1/18/2010	15:20	25.56	35.29	Hard	05769
RQL MW-012	Ramsdell Quarry	1/18/2010	15:11	25.13	32.60	Hard	05769
RQL MW-013	Ramsdell Quarry	1/18/2010	15:35	28.65	36.40	Soft	05769
RQL MW-014	Ramsdell Quarry	1/18/2010	15:28	22.91	31.48	Hard	05769
RQL MW-015	Ramsdell Quarry	1/18/2010	14:39	34.92	41.96	Hard	05769
RQL MW-016	Ramsdell Quarry	1/18/2010	14:45	38.54	41.63	Hard	05769
RQL MW-017	Ramsdell Quarry	1/18/2010	13:14	32.58	32.84	Hard	OH02911
WBG MW-005	Winklepeck Burning	1/19/2010	11:20	5.42	21.25	Hard	OH02911
WBG MW-006	Winklepeck Burning	1/19/2010	9:30	6.44	20.14	Hard	05769
WBG MW-007	Winklepeck Burning	1/19/2010	8:48	17.83	26.52	Hard	OH02911
WBG MW-008	Winklepeck Burning	1/19/2010	8:40	14.37	20.95	Hard	OH02911
WBG MW-009	Winklepeck Burning	1/19/2010	11:52	13.20	24.41	Hard	OH02911
WBG MW-010	Winklepeck Burning	1/19/2010	11:26	8.80	23.45	Soft	OH02911
WBG MW-011	Winklepeck Burning	1/19/2010	11:33	11.40	23.99	Soft	OH02911
WBG MW-012	Winklepeck Burning	1/19/2010	11:41	27.51	31.75	Hard	OH02911
WBG MW-013	Winklepeck Burning	1/19/2010	11:47	12.91	24.15	Soft	OH02911
WBG MW-014	Winklepeck Burning	1/19/2010	8:44	16.40	25.13	Soft	OH02911
WBG MW-015	Winklepeck Burning	1/19/2010	11:58	11.10	23.65	Hard	OH02911
WBG MW-016	Winklepeck Burning	1/19/2010	8:50	17.70	25.35	Soft	OH02911
WBG MW-017	Winklepeck Burning	1/19/2010	8:57	8.16	23.64	Soft	OH02911

*All measurements from top of casing

APPENDIX D
WELL INSPECTION SHEETS

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: AS4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 23.7 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.05

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.65

(10.65)

Hard

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: A54

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 9.5 ft

Flush-mount/Above-ground Completion: AC

Reported Construction Depth: 22.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.88

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(- 0.18)

H - 0.18

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: AS4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 23.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Panel

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 23.45

Thickness of sediment accumulation (reported depth-present measurement):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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0.05

0.05

Inspection Date: 1/20/10

Inspected by: Apr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: AS 4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 29.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock Cap Missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 29.73

Thickness of sediment accumulation (reported depth-present measurement): (-0.13)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (-0.13)
Hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: ASY
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: 8 Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 26.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 27.12

Thickness of sediment accumulation (reported depth-present measurement): (-0.92)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): -0.92

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 7/20/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: ASY
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 28.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pant

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 28.83

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): -0.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.03)

Inspection Date: 1/2010

Inspected by: g

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 007 Location/Functional Area: AS 4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: 8 Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 28.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 28.82

Thickness of sediment accumulation (reported depth-present measurement):

(-0.02)

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): _____

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 608 Location/Functional Area: AS 4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 27.7 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Paint

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 26.25

Thickness of sediment accumulation (reported depth-present measurement): 1.45

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): Soft

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 009 Location/Functional Area: AS4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 24.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 24.30

Thickness of sediment accumulation (reported depth-present measurement): 0

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soft

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 010 Location/Functional Area: AS4

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 29.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paul

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 31.05

Thickness of sediment accumulation (reported depth-present measurement): (-1.25)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Hard

Inspection Date: 1/200

Inspected by: Jan

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BKG-004 Location/Functional Area: Backyard
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 22 ft ☐ BGS or ☐ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

Keyhole cover missing

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 22.22

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BKC 005 Location/Functional Area: Background
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 21 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Needs Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface)?
 Is the well casing loose, (at the surface)?
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 20.55
 Thickness of sediment accumulation (reported depth-present measurement): 0.12
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BKG 000 Location/Functional Area: Background
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 37.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 37.50

Thickness of sediment accumulation (reported depth-present measurement): 0.10

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 7/19/10

Inspected by: AKD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BKG-008 Location/Functional Area: Backgrnd
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 27.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

✓		
	✓	
✓		
	✓	
✓		
	✓	
	✓	

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

		✓
		✓

Identification:

Is the well labeled with the correct number?
 Describe labeling:

✓		
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

✓		
✓		
✓		
✓		

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface)?
 Is the well casing loose, (at the surface)?
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 27.35
 Thickness of sediment accumulation (reported depth-present measurement): 0.15
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.):

	✓	
	✓	
✓		
	✓	

Inspection Date: 7/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BKG-010 Location/Functional Area: Background
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: _____ ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 21.96

Thickness of sediment accumulation (reported depth-present measurement): (-0.36)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ADD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BXG-012 Location/Functional Area: Backgrou
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 21 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 62.3 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

*Keyhole
down
missing*

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 62.11

Thickness of sediment accumulation (reported depth-present measurement): 0.19

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/12/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 013 Location/Functional Area: BKG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 28 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 28.09

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): CL

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.09)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: B149-015 Location/Functional Area: Back ground
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: AS Monitor Interval Length: 20 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 52.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

path around casing

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

Keyhole cover missing

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 52.97

Thickness of sediment accumulation (reported depth-present measurement):

(-0.07)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BK6016 Location/Functional Area: Background
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 21.1 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Perm

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Needs Cap

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 21.14

Thickness of sediment accumulation (reported depth-present measurement): (-0.04)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: _____

gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: B417 Location/Functional Area: Buck G.
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10.1 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 36.10 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Penal

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 35.97
 Thickness of sediment accumulation (reported depth-present measurement): 0.18
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BK4-018 Location/Functional Area: BK4

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10.1 ft

Flush-mount/Above-ground Completion: AT

Reported Construction Depth: 21.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.56

Thickness of sediment accumulation (reported depth-present measurement): (-0.30)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: KSO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 019 Location/Functional Area: BKG
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 35.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Post Heavy Stable

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 35.61
 Thickness of sediment accumulation (reported depth-present measurement): 0.09
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Corroded

Inspection Date: 1/20/0

Inspected by: gvr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 020 Location/Functional Area: BKG
 Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 33.20 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Slip Cap

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 33.32

Thickness of sediment accumulation (reported depth-present measurement): (-0.12)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: BK69-021 Location/Functional Area: BK69

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10.1 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 36.10 Cal ft ☐ BGS or ☒ BTOC (chose one only)
20.6

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

cap hinge corroded off

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 21.43

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): ⊙

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.83)

Inspection Date: 1/18/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: B12-010 Location/Functional Area: Bldg 1200
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 23.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

paint badly chipped

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 22.80
 Thickness of sediment accumulation (reported depth-present measurement): 0.40
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: AP

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: B12-011 Location/Functional Area: Bldg 1200
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 26.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 26.70

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.20

Inspection Date: 1/18/10

Inspected by: AKO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: B-010 B12-012 Location/Functional Area: Bldg 1200

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 24.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: Paint w/ red chipping away

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 24.80

Thickness of sediment accumulation (reported depth-present measurement): 0.10

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: CBL
 Casing Type: ☐ Steel ☐ Stainless Steel ☐ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 51.60 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 51.6
 Thickness of sediment accumulation (reported depth-present measurement): 0
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): 51.66

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: 17

QW

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: C Block
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 47.2 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 47.32

Thickness of sediment accumulation (reported depth-present measurement): (-0.12)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/06

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: CBZ
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 45.8 ft ☐ BGS or ☐ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 44.67

Thickness of sediment accumulation (reported depth-present measurement): 1.13

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): M

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: CBL
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AK
 Reported Construction Depth: 46.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad is spalling

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 47.61

Thickness of sediment accumulation (reported depth-present measurement): (-0.21)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): fl

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/10/10

Inspected by: _____

[Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBP-001 Location/Functional Area: Cobb's Pond CBP
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 34.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No caps on post caps

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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No tag on pad

Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 34.24
 Thickness of sediment accumulation (reported depth-present measurement): 0.66
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): (C)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No packing

Inspection Date: 1/14/10

Inspected by: ARD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBB-002 Location/Functional Area: Cobbs Pond CBR
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 32.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*No cover or
keyhole*

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 31.83

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No packing around casing

0.37

Inspection Date: 1/19/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBP-003 Location/Functional Area: Cobb's Pond CBR
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 27.1 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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No tag on pad

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

has a cap but is not able to be tightened

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 30.18

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-3.08)

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBP-004 Location/Functional Area: Cobb's Pond CBP

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: 3 Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 29.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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No tag apparent

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 29.61

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No packing around casing
(-0.11)

Inspection Date: 1/19/10

Inspected by: AM

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBP-5 Location/Functional Area: Cobbs Ford OBT
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 27.3 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

*No cover
on Keyhole*

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.37

Thickness of sediment accumulation (reported depth-present measurement): (-0.07)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

tubing fell into well

Inspection Date: 1/19/10

Inspected by: ADD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBP-0026 Location/Functional Area: Cobb's Pond CBF
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 25.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

No marker on concrete pad

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

25.2 (-0.10)

Inspection Date: 1/19/10

Inspected by: ABD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBP-007 Location/Functional Area: Coblesford CBP

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: FT

Reported Construction Depth: 32.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: No tag

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 31.73

Thickness of sediment accumulation (reported depth-present measurement): 0.67

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Casing not packed w/ gravel to top

Inspection Date: 1/19/10

Inspected by: KOB

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CBP-008 Location/Functional Area: Cobb CBP

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 27.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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No visible tag on concrete pad

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No gravel around casing

27.89

(-0.29)

Inspection Date: 1/19/10

Inspected by: AGD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: CP
 Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 15.3 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 14.85
 Thickness of sediment accumulation (reported depth-present measurement): 0.45
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CD-002 Location/Functional Area: Cobb's Pond
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: Flush
 Reported Construction Depth: 15.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*well casing
surrounded by water*

pad wobbly

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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labeled on post

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

pressurized

14.99

0.11

Inspection Date: 11/19/10 Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: CP

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 17.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: Casing fills with water

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 17.83

Thickness of sediment accumulation (reported depth-present measurement): (-0.23)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CP-004 Location/Functional Area: Cobb's Pond
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 22.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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No tag visible on pad

Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface)?
 Is the well casing loose, (at the surface)?
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 22.53
 Thickness of sediment accumulation (reported depth-present measurement): (-0.33)
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: ABV

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CP-004 Location/Functional Area: Cobb's Pond
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 22.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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No tag visible on pad

Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 22.53
 Thickness of sediment accumulation (reported depth-present measurement): (-0.33)
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: CP-606 Location/Functional Area: CP

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 20.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

Keyhole cover missing

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 20.41

Thickness of sediment accumulation (reported depth-present measurement): (-0.41)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/11/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DET-001 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 40.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 38.50

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<u>2.00</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Inspection Date: 11/11/10

Inspected by: KFO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DET-002 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 40 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 41.93

Thickness of sediment accumulation (reported depth-present measurement): (-1.93)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (P)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/14/10

Inspected by: AKG

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DET-003 Location/Functional Area: DAZ

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 13 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 16.01

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-301)

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DET-004 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 12.0 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 13.80

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-1.80)

Inspection Date: 1/19/10

Inspected by: KGP

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DA2-104 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 29.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

Keyhole cover missing

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 29.19

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.41

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DA2-105 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: Ar

Reported Construction Depth: 16.2 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 11/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DAZ-106 Location/Functional Area: DAZ

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 7 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 18.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 16.76

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1.34

Inspection Date: 1/19/10

Inspected by: ASP

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DA2-107 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: 3 Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 16.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 16.82

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (-0.32)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: AKO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DA2-108 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 16.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: AD 1110 34

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 17.13

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 11/19/10

Inspected by: JKO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DA2-109 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 24.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 24.24

Thickness of sediment accumulation (reported depth-present measurement): (-0.14)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (C) hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 11/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DA2-110 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 21.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

Keyhole cover missing

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 22.34

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft/hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.44)

Inspection Date: 1/19/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DA2-111 Location/Functional Area: DA2

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: SA Monitor Interval Length: 5 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 14.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 14.78

Thickness of sediment accumulation (reported depth-present measurement): 0.02

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: ADD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: DDA-112 Location/Functional Area: DA2
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 5 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 16.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Paint w/ well ID chipping off
barely legible

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 17.04

Thickness of sediment accumulation (reported depth-present measurement): _____

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.44)

Inspection Date: 1/19/10

Inspected by: AKO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002-113 Location/Functional Area: DA₂

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: _____ ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 16.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 16.28

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.18)

Inspection Date: 1/19/10

Inspected by: ASB

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG-123 Location/Functional Area: EBG
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 33.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 11/10/10 9.28 34.73

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-1.03)

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG-124 Location/Functional Area: EBG

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 32.9 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 32.63

Thickness of sediment accumulation (reported depth-present measurement): 32.63 (0.27)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (soft)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ASO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG-125 Location/Functional Area: EBG

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 26.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.43

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (-0.63)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ADD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG-126 Location/Functional Area: EBG
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 279 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Underwater

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.80

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): med

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.10

Inspection Date: 1/18/00

Inspected by: KAD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG-127 Location/Functional Area: EBG
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 32.40 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 32.82

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.42)

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG-128 Location/Functional Area: EB6

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 28 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 28.19

Thickness of sediment accumulation (reported depth-present measurement): (-0.19)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: AKP

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG-129 Location/Functional Area: EBG
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 28.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 30.90

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-2.50)

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: EBG 130 Location/Functional Area: EBG
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 28.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 28.38

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.08)

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBO-1166 Location/Functional Area: FBO

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 19.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 19.69

Thickness of sediment accumulation (reported depth-present measurement): (-0.19)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (circled X)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 11/19/10

Inspected by: ASJ

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-1107 Location/Functional Area: FBQ
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 18.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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label painted on but faded

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 18.95

Thickness of sediment accumulation (reported depth-present measurement): _____

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.05)

Inspection Date: 1/19/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-108 Location/Functional Area: FBQ

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 21.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NO 1/19/10

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 21.21

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.39

Inspection Date: 1/19/10

Inspected by: Ad

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-1129 Location/Functional Area: FBQ
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: 8 Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 18.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-170 Location/Functional Area: FB4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 32.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft hard etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-171 Location/Functional Area: FBQ

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 31.1 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 31.30

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (C)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.28)

Inspection Date: 1/19/10

Inspected by: ABD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FB4-172 Location/Functional Area: FB4
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 34.4 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 34.36
 Thickness of sediment accumulation (reported depth-present measurement): 0.04
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-173 Location/Functional Area: FBQ

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: 3 Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 53 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 52.95

Thickness of sediment accumulation (reported depth-present measurement): 0.05

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-174 Location/Functional Area: FBQ
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 26.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.99

Thickness of sediment accumulation (reported depth-present measurement); 3.21

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (soft)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ 175 Location/Functional Area: FBQ

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: 8 Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 25.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 25.78

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (soft)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.18)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Inspection Date: 1/19/10

Inspected by: 1800

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-176 Location/Functional Area: FBQ

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 23.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.6

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): lots of silt

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: FBQ-177 Location/Functional Area: FBQ
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 24.8 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 24.74

Thickness of sediment accumulation (reported depth-present measurement): 0.06

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (S)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: AS

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 024 Location/Functional Area: LNW
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 22.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad - V

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock Cap Missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 22.5
 Thickness of sediment accumulation (reported depth-present measurement): 0.19
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: gn

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 025 Location/Functional Area: LNW
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 19 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Needs Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock Cap Missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 20.30

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.40)

fl

Inspection Date: 1/20/10

Inspected by:

gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 026 Location/Functional Area: LNW
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: Ac
 Reported Construction Depth: 25.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Needs Post

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock Cap Missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 25.94

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.14)

H

Inspection Date: 1/2010

Inspected by:

gn

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 027 Location/Functional Area: LNU
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 26.7 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Noed Pain 7

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock Cap Nitty

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 28.85

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-2.15)

#

Inspection Date: 1/20/10

Inspected by:

gmr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 063 Location/Functional Area: LL1

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 30.0 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

slip cap

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 30.19

Thickness of sediment accumulation (reported depth-present measurement): (-0.19)

Are there any obstructions in the well?

Description of well bottom conditions (soft hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 064 Location/Functional Area: LL1
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 21.1 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Slip Cap

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 21.20
 Thickness of sediment accumulation (reported depth-present measurement): (-0.10)
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 065 Location/Functional Area: LL1
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 60 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 23.4 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Slip Cap

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.20

Thickness of sediment accumulation (reported depth-present measurement): 0.20

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 067 Location/Functional Area: LL1
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.7 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 25.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface)?
 Is the well casing loose, (at the surface)?
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 25.82
 Thickness of sediment accumulation (reported depth-present measurement): (-0.22)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 078 Location/Functional Area: LL1

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.5 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 41.1 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 41.22

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.12)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 079 Location/Functional Area: LL1
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.4 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 42.0 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 41.85

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.15

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 080 Location/Functional Area: LL1

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.5 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

lock cap missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 22.47

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

-0.47

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 081 Location/Functional Area: LL1

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 9.5 ft

Flush-mount Above-ground Completion: _____

Reported Construction Depth: 41.9 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 42.10

Thickness of sediment accumulation (reported depth-present measurement): (-0.20)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 082 Location/Functional Area: LL1

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.5 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 41.8 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 41.67

Thickness of sediment accumulation (reported depth-present measurement): 0.13

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 083 Location/Functional Area: LL1

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.5 ft

Flush-mount/Above-ground Completion:

Reported Construction Depth: 41.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES **NO** **N/A** **COMMENTS**

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 41.52

Thickness of sediment accumulation (reported depth-present measurement): 0.18

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 084 Location/Functional Area: LL1

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.6 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 39.3 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock cap missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 39.18

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.12

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 085 Location/Functional Area: LL1

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.4 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 44.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 40.06

Thickness of sediment accumulation (reported depth-present measurement): 4.64

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Possible presence of a baker in the well?

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 059 Location/Functional Area: L42
 Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.8 ft
 Flush-mount/Above-ground Completion:
 Reported Construction Depth: 21.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Slip Cap

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 21.98
 Thickness of sediment accumulation (reported depth-present measurement): (-0.18)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft) hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 060 Location/Functional Area: LL2
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 9.8 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 20.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

(YES) NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Slip Cap

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 20.91
 Thickness of sediment accumulation (reported depth-present measurement): (-0.01)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 261 Location/Functional Area: LL2

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 21.9 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 22.56

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.66)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 262 Location/Functional Area: LL2
 Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 22.3 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 22.75
 Thickness of sediment accumulation (reported depth-present measurement): (-0.45)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 263 Location/Functional Area: LL2
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 23 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 23.53
 Thickness of sediment accumulation (reported depth-present measurement): (0.53)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 264 Location/Functional Area: LL2
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 21.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 22.48
 Thickness of sediment accumulation (reported depth-present measurement): (-0.78)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 265 Location/Functional Area: LL2

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10' gal ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 24.53

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.73)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 266 Location/Functional Area: LL2
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 22.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 22.82
 Thickness of sediment accumulation (reported depth-present measurement): (-0.62)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 267 Location/Functional Area: 442
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 22 ft ☐ BGS or ☐ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 22.82
 Thickness of sediment accumulation (reported depth-present measurement): (-0.82)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 268 Location/Functional Area: 42

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 29.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 32.0

Thickness of sediment accumulation (reported depth-present measurement): (8.70)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 269 Location/Functional Area: LL2

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 29.40 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 30.39

Thickness of sediment accumulation (reported depth-present measurement): (-0.99)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 270 Location/Functional Area: LL2

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

~~Screened~~ Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion:

Reported Construction Depth: 20.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.51

Thickness of sediment accumulation (reported depth-present measurement): (-2.21)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 232 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 38.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 39.94

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-1.14)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 233 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 32.2 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

lock cap missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 32.87

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.69)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 234 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.10 ft ☐ BGS or ☐ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 22.74

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.64)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 235 Location/Functional Area: 443

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.2 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.02

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.82)
(-0.03)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 236 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion

Reported Construction Depth: 26.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 26.68

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.48)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 237 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 24.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 25.65

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.75)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 238 Location/Functional Area: LL3
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 22.9 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock cap missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 23.44
 Thickness of sediment accumulation (reported depth-present measurement):
 Are there any obstructions in the well?
 Description of well bottom conditions (soft hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.54)

Inspection Date: 1-18-10 Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 238 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 36.8 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 36.76

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.04

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 240 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 36.50 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 36.78

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft) hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.28)

Inspection Date: 1-18-10

Inspected by: GL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 241 Location/Functional Area: LL3
 Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 25.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 25.67
 Thickness of sediment accumulation (reported depth-present measurement): (-0.57)
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-10-18
1-18-18

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 242 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 21.96 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 22.61

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.71)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 243 Location/Functional Area: LL3

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion:

Reported Construction Depth: 25.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 26.42

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.62)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 193 Location/Functional Area: LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 60 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.5 ft ☐ BGS or ☐ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 24.38

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.88)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 194 Location/Functional Area: LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.61

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.21)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 195 Location/Functional Area: LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 60 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.3 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.91

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.61)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 196 Location/Functional Area: LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 21.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 21.89

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.49)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 197 Location/Functional Area: LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.69

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): CL

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.99)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 198 Location/Functional Area: LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 7.82 22.06

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): soft

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>0.24</u>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 199 Location/Functional Area: LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.27

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 200 Location/Functional Area: GR12 LL4

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion:

Reported Construction Depth: 25 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 25.28

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.28)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: LL5

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 26.90 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Wood, Paul

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 26.98

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.08)

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: CCS

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: 3 Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 27.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.49

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.41

H

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: LC5
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 60 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 24.0 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock Cap Missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.93

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): 1+

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.07

Inspection Date: 1/2010 Inspected by: A

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: LL5
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 24.9 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paved

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 25.27

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.37)

Inspection Date: 1/30/10

Inspected by: g

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: LL5

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 29.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Paint

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 29.65

Thickness of sediment accumulation (reported depth-present measurement):

0.25

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): Soft

Inspection Date: 1/200

Inspected by: AW

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: LL5
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 26.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.05

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): ft

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.15)

Inspection Date: 1/7/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: LCC

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: FM

Reported Construction Depth: 17 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 17.59

Thickness of sediment accumulation (reported depth-present measurement);

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): 18

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.59)

Inspection Date: 11/20/10

Inspected by: gm

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: LL 6

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: Ac

Reported Construction Depth: 22.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	-------------------------------------	--------------------------

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Measured depth of the well from measurement point: 24.45

Thickness of sediment accumulation (reported depth-present measurement):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Description of well bottom conditions (soft, hard, etc.): _____

(-1.95)

JK
ju

Inspection Date: 1/20/10

Inspected by: _____

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: LL6
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 25.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Lock Cap Only

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked at the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Measured depth of the well from measurement point: 25.64

Thickness of sediment accumulation (reported depth-present measurement):

0.26

Are there any obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Description of well bottom conditions (soft, hard, etc.): _____

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: LL6
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 25.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Needs Pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock Cap Missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 24.50

Thickness of sediment accumulation (reported depth-present measurement): 0.60

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 6/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: LL 6

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 22.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: _____

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Noek Parity

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

to

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.14

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.34

Inspection Date: 1/2010

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: LL6
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: FM
 Reported Construction Depth: 17.0 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Need Painting

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the protective casing have a weep hole?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Bolt Missing

Does the well have a flush-mount box?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the traffic cover cracked or broken?

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	-------------------------------------	--------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Identification:

Is the well labeled with the correct number?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Describe labeling:

Painted Number needs red

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked at the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Measured depth of the well from measurement point: 17.54

Thickness of sediment accumulation (reported depth-present measurement):

(-0.56)

Are there any obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.):

H

Inspection Date: 1/20/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 007 Location/Functional Area: LL6
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: FM
 Reported Construction Depth: 19.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Needs Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Bolt Missing

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Needs Paint

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 19.33

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.17

Inspection Date: 1/20/10

Inspected by:

gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: LL7

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AC

Reported Construction Depth: 33.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Neck Pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 33.04

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.84)

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: LC7
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 27.8 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Weeb Pant

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.14

Thickness of sediment accumulation (reported depth-present measurement): 0.66

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gm

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: LC 7
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 33.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Weak Post

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 33.53

Thickness of sediment accumulation (reported depth-present measurement):

0.07

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): _____

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: LL7

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AC

Reported Construction Depth: 32.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No. 1s Pa. 1

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 32.22

Thickness of sediment accumulation (reported depth-present measurement): 0.28

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: gmu

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: LL7
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 30.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Needs Paint

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 30.32

Thickness of sediment accumulation (reported depth-present measurement): 0.28

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): It

Inspection Date: 1/2010

Inspected by: jm

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: LL7
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 30.4 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Need Paint

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked at the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 30.30

Thickness of sediment accumulation (reported depth-present measurement):

0.10

Are there any obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): H

Inspection Date: 1/20/0

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: LL8
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 26.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Partial

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 27.40
 Thickness of sediment accumulation (reported depth-present measurement): (-0.60)
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: LL 8
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 32.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 32.55
 Thickness of sediment accumulation (reported depth-present measurement): 0.25
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gm

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: LL8
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 23.3 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Concrete Broken
But Post Stable

Rustig approx
dark

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.0

Thickness of sediment accumulation (reported depth-present measurement): 0.30

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: LL8
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 23 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 22.70
 Thickness of sediment accumulation (reported depth-present measurement): 0.30
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/00

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 065 Location/Functional Area: LL8
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: ACS Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 27.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Post Heavy
Stable

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 27.68

Thickness of sediment accumulation (reported depth-present measurement): 0.12

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: LL8
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 26.8 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pad Cracked
Again

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.00

Thickness of sediment accumulation (reported depth-present measurement): (-0.20)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: LL9

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 24.80 ft ☐ BGS or ☒ BTOC (chose one only)

23.3

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.27

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

No sand, hole, etc.

0.03

#

Inspection Date: 1/2010

Inspected by: ar

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: 449

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.4 ft ☐ BGS or ☐ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.82

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.42)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: LL9

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion:

Reported Construction Depth: 23.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 24.26

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.46)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: LL9

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion

Reported Construction Depth: 34.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 34.74

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.16

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: LL9

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.57

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

(-0.27)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: LL9

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 28.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 28.88

Thickness of sediment accumulation (reported depth-present measurement): 0.02

Are there any obstructions in the well?

Description of well bottom conditions (soft, ☒ hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Inspection Date: 11-9-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 007 Location/Functional Area: LL9

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion: _____

Reported Construction Depth: 18.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the protective casing have a weep hole?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a flush-mount box?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Measured depth of the well from measurement point: 18.23

Thickness of sediment accumulation (reported depth-present measurement):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Description of well bottom conditions (soft, hard, etc.): 0.27

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: LL10-001 Location/Functional Area: LL10

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 29.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the protective casing have a weep hole?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 29.54

Thickness of sediment accumulation (reported depth-present measurement): 0.26

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): (C)

Inspection Date: 1/19/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: LL10-002 Location/Functional Area: LL10
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 29.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint badly chipped

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 29.75

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.05)

Inspection Date: 1/19/10

Inspected by: AD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: LL10
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 28.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 28.95

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.31

Inspection Date: 1/20/10

Inspected by: AW

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: LC10

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 33.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 33.49

Thickness of sediment accumulation (reported depth-present measurement): 0.96 0.31

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: AS

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: U10

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 29.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paul

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 29.19

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.11 ~~(-0.27)~~

H

Inspection Date: 1/2010

Inspected by: AW

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: LL10

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 26.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Paint

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Pad Cracked

Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 26.45

Thickness of sediment accumulation (reported depth-present measurement): (-0.35)

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): 19

Inspection Date: 1/20/10

Inspected by: AW

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: LC11
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 24.1 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.31

Thickness of sediment accumulation (reported depth-present measurement): 0.79

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): At

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gpr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: LC 11
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: FM
 Reported Construction Depth: 16.0 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Needs Paint

Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is steel protective casing installed?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the protective casing have a weep hole?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a flush-mount box?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked at the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 16.39

Thickness of sediment accumulation (reported depth-present measurement): -0.39

Are there any obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): 1x

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: LL11

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: FM

Reported Construction Depth: 10 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 16.05

Thickness of sediment accumulation (reported depth-present measurement): (-0.05)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gm

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: LL11
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: FM
 Reported Construction Depth: 15.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No Lock

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 16.15

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.05

Inspection Date: 1/2010

Inspected by: AP

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: LL11

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: FM

Reported Construction Depth: 16.0 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Paint</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>No Lock</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 16.37

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>-0.37</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Inspection Date: 1/2010 Inspected by: AR

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 006 Location/Functional Area: 1C11

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: FM

Reported Construction Depth: 15.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 11

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Needs Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 15.64

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(- 0.18)

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 007 Location/Functional Area: LL11
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 25.2 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Are any of the posts damaged or degraded?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is a concrete pad installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Is the pad cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is steel protective casing installed?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the protective casing have a weep hole?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does vegetation around the well need clearing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Does the well have a flush-mount box?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the traffic cover cracked or broken?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Identification:

Is the well labeled with the correct number?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Describe labeling: _____

Security:

Does the well have a cap or lid?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the well have a weatherproof lock?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the lock secure well?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Lock Cap Missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Is the well casing loose, (at the surface?)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

Is a measurement point marked a the top of well casing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Measured depth of the well from measurement point: 25.26

Thickness of sediment accumulation (reported depth-present measurement):

(-0.06')

Are there an obstructions in the well?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Description of well bottom conditions (soft, hard, etc.): 24

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 608 Location/Functional Area: LC 11

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: FM

Reported Construction Depth: 15.4 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 15.67

Thickness of sediment accumulation (reported depth-present measurement): (-0.27)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: H gn

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 60409 Location/Functional Area: LL11

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 19.27 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 19.48

Thickness of sediment accumulation (reported depth-present measurement): - 2.88

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 12/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 010 Location/Functional Area: 2L11

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 23.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<u>Lock cap missing</u>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.42

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.02)

Inspection Date: 1/20/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 088 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion

Reported Construction Depth: 27.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 27.50

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.40)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 107 Location/Functional Area: L42

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion

Reported Construction Depth: 33.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 33.78

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): 7

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.68)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 113 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 25 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 21.56

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3.44

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 128 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion

Reported Construction Depth: 33.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 34.16

Thickness of sediment accumulation (reported depth-present measurement): (-0.86)

Are there an obstructions in the well?

Description of well bottom conditions (soft hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 153 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 25 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 25.18

Thickness of sediment accumulation (reported depth-present measurement): (-0.18)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 11-9-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 154 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 28.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 28.72

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.02)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 182 Location/Functional Area: L42

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 37.7 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 38.09

Thickness of sediment accumulation (reported depth-present measurement): (-0.39)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 183 Location/Functional Area: 442

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion:

Reported Construction Depth: 30.0 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 36.41

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.41)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 184 Location/Functional Area: 412

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion: _____

Reported Construction Depth: 31.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 31.16

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>0.04</u>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 185 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

☒ Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion

Reported Construction Depth: 23.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.35

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, ☒ hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.15)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 186 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 21.0 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock cap missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 20.82

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.18

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 187 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion

Reported Construction Depth: 29.4 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 29.71

Thickness of sediment accumulation (reported depth-present measurement): (-0.31)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 188 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 22.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.19

Thickness of sediment accumulation (reported depth-present measurement): 0.01

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 189 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 19.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 20.08

Thickness of sediment accumulation (reported depth-present measurement): (-0.48)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): CL

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 242 Location/Functional Area: LL12
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: 8 Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 28.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 28.81

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): fl

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.51)

Inspection Date: 1-20-10

Inspected by: Qpr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 243 Location/Functional Area: 44/2

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 25.7 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 25.52

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.58

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 244 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion:

Reported Construction Depth: 32.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 32.08

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.02

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 245 Location/Functional Area: LLJ2

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 30.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 30.29

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): soft

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>0.21</u>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 246 Location/Functional Area: LL12

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion

Reported Construction Depth: 34.3 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lock cap missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 35.10

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

-0.80

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 007 107 Location/Functional Area: N/A/C/N
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 24.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 24.01

Thickness of sediment accumulation (reported depth-present measurement): 0.59

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Soft

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gpr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 008 Location/Functional Area: NACN
 Casing Type: ☐ Steel ☐ Stainless Steel ☐ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 24.4 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 24.43

Thickness of sediment accumulation (reported depth-present measurement): (-0.03)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): M

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 109 Location/Functional Area: N/ACM

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: AG

Reported Construction Depth: 20.9 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pc, m/

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 20.88

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.02

S.

Inspection Date: 1/2010

Inspected by:

gn

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 110 Location/Functional Area: NACA
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 29.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 29.14

Thickness of sediment accumulation (reported depth-present measurement): (-0.14)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gpr

Pad Under Water

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 111 Location/Functional Area: NADK
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: _____
 Reported Construction Depth: 22.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 22.05

Thickness of sediment accumulation (reported depth-present measurement): 0.35

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): 22.05 H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 112 Location/Functional Area: WACA
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 22.462 ft ☐ BGS or ☒ BTOC (chose one only)
26.9

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 26.66

Thickness of sediment accumulation (reported depth-present measurement): 0.30

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gm

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 113 Location/Functional Area: NRAA
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 30.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 29.60

Thickness of sediment accumulation (reported depth-present measurement): 1.00

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 114 Location/Functional Area: N/A C N
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 22.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Point

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 22.75
 Thickness of sediment accumulation (reported depth-present measurement): (-0.15)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 115 Location/Functional Area: NAACN
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 25.2 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(- 0.05)

25.25

H

Inspection Date: 1/2010

Inspected by:

gwr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 116 Location/Functional Area: NACH
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 22.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 22.55

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.05

Hard

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 117 Location/Functional Area: N/A CA
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 27.4 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Paint

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 27.44
 Thickness of sediment accumulation (reported depth-present measurement): (-0.09)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 7/2010

Inspected by: gpr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 118 Location/Functional Area: NACU
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 24.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 1

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface)?
 Is the well casing loose, (at the surface)?
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 24.69
 Thickness of sediment accumulation (reported depth-present measurement): (-0.09)
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): H

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/20/10

Inspected by: gar

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RQ2-006 Location/Functional Area: RQL
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 20 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 41.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

well cap hinge totally corroded

Keyhole cover missing

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 41.91

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.36)

Inspection Date: 1/18/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RQL-007 Location/Functional Area: RQL

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 18.2 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 0

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NO COVER OVER KEYHOLE

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 18.56

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (-0.10)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ABD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RQL-008 Location/Functional Area: RQL

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 18.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 0

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Patch around casing cracked

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 18.16

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.34)

Inspection Date: 1/18/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RQL-009 Location/Functional Area: RQL

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: Y

Reported Construction Depth: 18.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 0

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

path around casing cracked

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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painted label chipping away

Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

missing keyhole cover

lock corroded

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

18.76

(-0.36)

hard

Inspection Date: 1/18/10

Inspected by: ADD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RQL-010 Location/Functional Area: RQL
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 20 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 35.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 35.25

Thickness of sediment accumulation (reported depth-present measurement): (-0.15)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ABO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RAL-011 Location/Functional Area: RAL

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 20 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 34.16 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

wobbly pad

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

N/A

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 35.29

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.69)

hard

Inspection Date: 1/18/10

Inspected by: AKS

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RQL-012 Location/Functional Area: RQL

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: 3 Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: X

Reported Construction Depth: 32.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

Keyhole cover missing

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 32.60

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.10)

Inspection Date: 11/8/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RQL-13 Location/Functional Area: RQL
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 32.6 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point:

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.20

36.4
soft

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RAL-014 Location/Functional Area: RAL
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: A
 Reported Construction Depth: 31.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 31.48

Thickness of sediment accumulation (reported depth-present measurement): 0.12

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/15/10

Inspected by: [Signature]

Ravenna Army Ammunition Plant WELL INSPECTION CHECKLIST

WELL INFORMATION:

Well Number: RQL-015 Location/Functional Area: RQL

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 416 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<u>Rusty</u>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 41.96

Thickness of sediment accumulation (reported depth-present measurement): (-0.36)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: ASD

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: RAL-016 Location/Functional Area: RAL

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 41.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 41.63

Thickness of sediment accumulation (reported depth-present measurement): (-0.03)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): (hard)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/18/10

Inspected by: RAO

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 0217 Location/Functional Area: RQL

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ~~32.5~~ ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 32.5 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 32.84

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.34)

Inspection Date: 1-18-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WBG 005 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount Above-ground Completion: _____

Reported Construction Depth: 21.1 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 21.25

Thickness of sediment accumulation (reported depth-present measurement): (-0.15)

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WB69-006 Location/Functional Area: WB69

Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: A

Reported Construction Depth: 20.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

*No cover
on
keyhole*

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 20.14

Thickness of sediment accumulation (reported depth-present measurement): 0.26

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/19/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 007 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 20.40 ft ☐ BGS or ☒ BTOC (chose one only)

26.3 **INSPECTION ITEMS**

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 26.52

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.22)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 008 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 21.0 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 20.95

Thickness of sediment accumulation (reported depth-present measurement): 0.05

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WBG009 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 24 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 3

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 24.41

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.41)

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WBG010 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 60 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.6 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.15

Thickness of sediment accumulation (reported depth-present measurement):

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WPA 011 Location/Functional Area: WPA

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 24.0 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 23.99

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>0.01</u>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WBG 012 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 32.0 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 31.75

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): ⊙

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.25

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WBG 013 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 24.15

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(-0.25)

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 014 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion

Reported Construction Depth: 25 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A ☐ COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 25.13

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(-0.13)

Inspection Date: 1-17-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: WRG 015 Location/Functional Area: WRG

Casing Type: ☒ Steel ☐ Stainless Steel ☐ PVC

Screened/Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.8 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.65

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): 0.15

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: EL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 016 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 70 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 25.4 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

☒ YES ☐ NO ☐ N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 25.35

Thickness of sediment accumulation (reported depth-present measurement):

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

0.05

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 017 Location/Functional Area: WBG

Casing Type: ☒ Steel ☐ Stainless Steel ☒ PVC

Screened Open-Hole Well Type: _____ Monitor Interval Length: 10 ft

Flush-mount/Above-ground Completion: _____

Reported Construction Depth: 23.9 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling: _____

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 23.64

Thickness of sediment accumulation (reported depth-present measurement): 0.26

Are there an obstructions in the well?

Description of well bottom conditions (soft hard, etc.): _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1-19-10

Inspected by: CL

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 001 Location/Functional Area: MBS
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 31.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion: Under Water YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked a the top of well casing?

Measured depth of the well from measurement point: 30.98

Thickness of sediment accumulation (reported depth-present measurement): 0.52

Are there an obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/10/10

Inspected by: gr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 002 Location/Functional Area: 17B5
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 30.7 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4 Under Water
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked a the top of well casing?
 Measured depth of the well from measurement point: 31.13
 Thickness of sediment accumulation (reported depth-present measurement): (-0.43)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): Hard

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: gwr

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 003 Location/Functional Area: MBS
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 30.5 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 30.70

Thickness of sediment accumulation (reported depth-present measurement): (-0.20)

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 004 Location/Functional Area: NBS
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 27.0 ft ☐ BGS or ☒ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface)?
 Is the well casing loose, (at the surface)?
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 27.16
 Thickness of sediment accumulation (reported depth-present measurement): (-0.16)
 Are there an obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.):

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 6/20/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 005 Location/Functional Area: MBS
 Casing Type: ☐ Steel ☐ Stainless Steel ☐ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AG
 Reported Construction Depth: 30.2 ft ☐ BGS or ☐ BTOC (chosed one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4
 Are the posts positioned to prevent collision damage to the well?
 Are any of the posts damaged or degraded?
 Is a concrete pad installed?
 Is the pad cracked or deteriorated? Frost Heaving?
 Is steel protective casing installed?
 Does the protective casing have a weep hole?
 Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Needs Pump

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?
 Does the well have a flush-mount box?
 Is the traffic cover cracked or broken?
 Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?
 Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?
 Does the well have a weatherproof lock?
 Does the lock secure well?
 Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)
 Is the well casing loose, (at the surface?)
 Is a measurement point marked at the top of well casing?
 Measured depth of the well from measurement point: 30.00
 Thickness of sediment accumulation (reported depth-present measurement): 0.00
 Are there any obstructions in the well?
 Description of well bottom conditions (soft, hard, etc.): Soft

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/22/10

Inspected by: [Signature]

**Ravenna Army Ammunition Plant
WELL INSPECTION CHECKLIST**

WELL INFORMATION:

Well Number: 00C Location/Functional Area: MBG
 Casing Type: ☐ Steel ☐ Stainless Steel ☒ PVC
 Screened/Open-Hole Well Type: S Monitor Interval Length: 10 ft
 Flush-mount/Above-ground Completion: AC
 Reported Construction Depth: 28.2 ft ☐ BGS or ☒ BTOC (chose one only)

INSPECTION ITEMS

Well-Head Completion:

YES NO N/A COMMENTS

Above-ground completion:

Number of Guard posts at well: 4

Are the posts positioned to prevent collision damage to the well?

Are any of the posts damaged or degraded?

Is a concrete pad installed?

Is the pad cracked or deteriorated? Frost Heaving?

Is steel protective casing installed?

Does the protective casing have a weep hole?

Does vegetation around the well need clearing?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Needs Painting

Flush-mount completion:

Is the traffic cover securely bolted to the flush-mount box?

Does the well have a flush-mount box?

Is the traffic cover cracked or broken?

Is the concrete apron cracked or deteriorated? Frost Heaving?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Identification:

Is the well labeled with the correct number?

Describe labeling:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Security:

Does the well have a cap or lid?

Does the well have a weatherproof lock?

Does the lock secure well?

Does the inner casing have a water-tight cap?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Down-hole Condition:

Is the well casing bent, corroded, or broken (at the surface?)

Is the well casing loose, (at the surface?)

Is a measurement point marked at the top of well casing?

Measured depth of the well from measurement point: 28.10

Thickness of sediment accumulation (reported depth-present measurement): 0.10

Are there any obstructions in the well?

Description of well bottom conditions (soft, hard, etc.): Medium

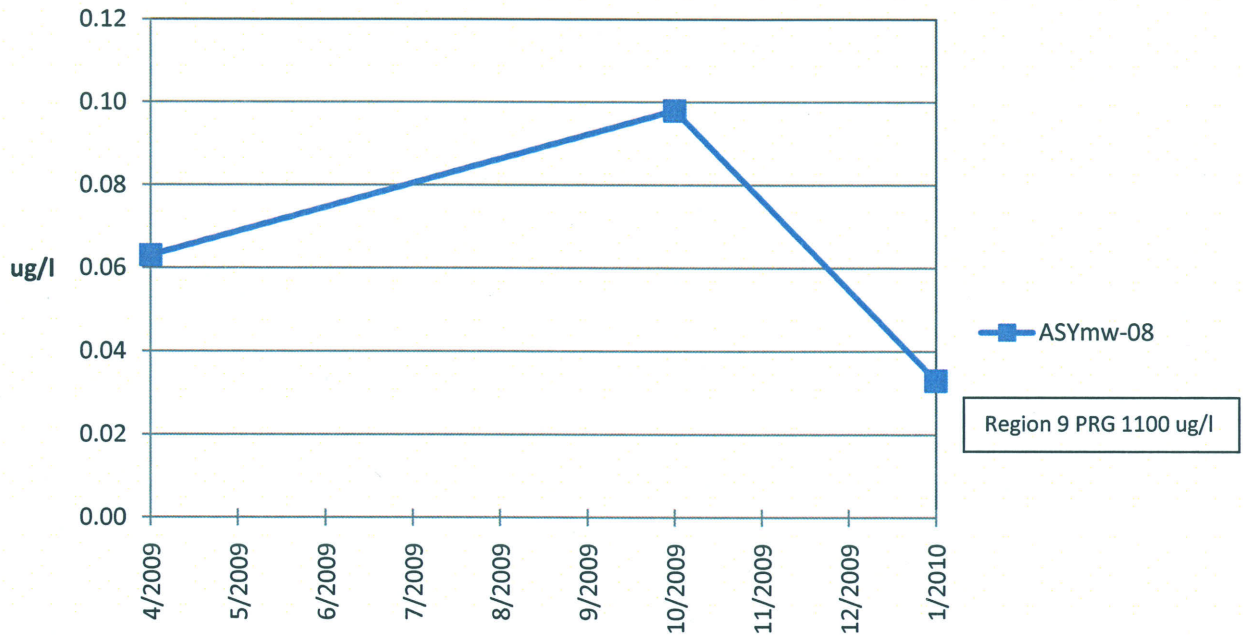
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inspection Date: 1/2010

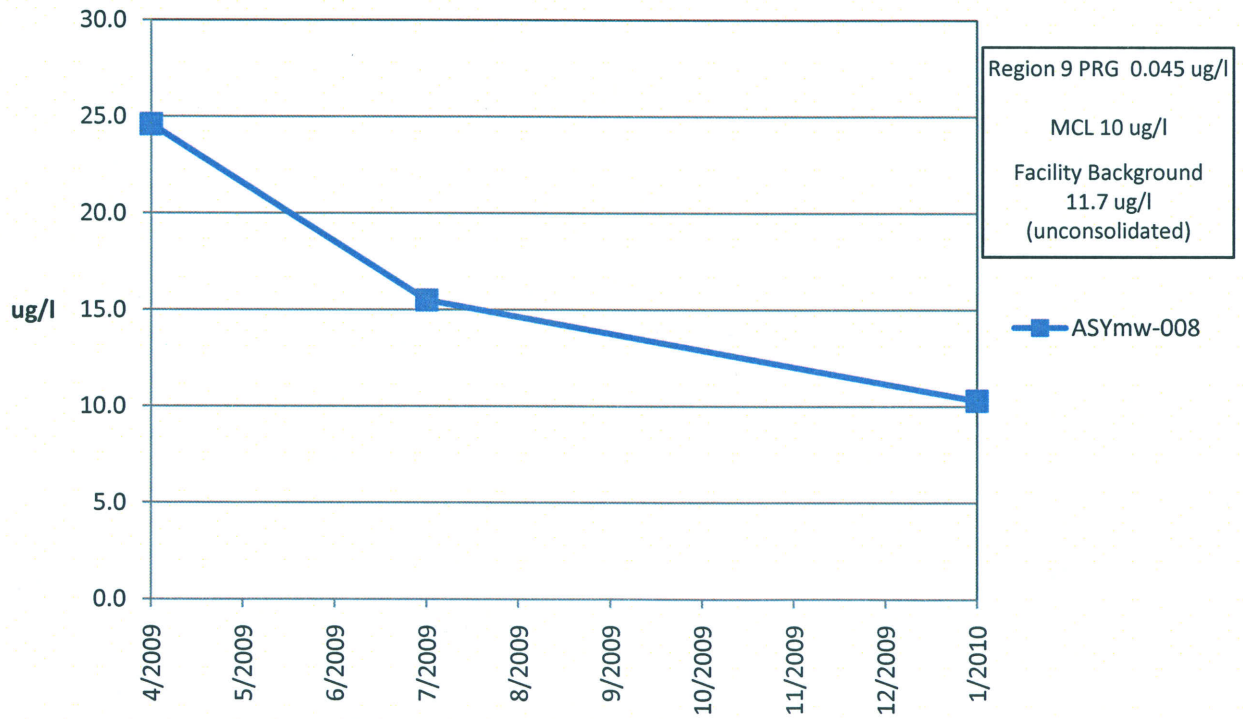
Inspected by: gr

APPENDIX E
TIME-TREND GRAPHS

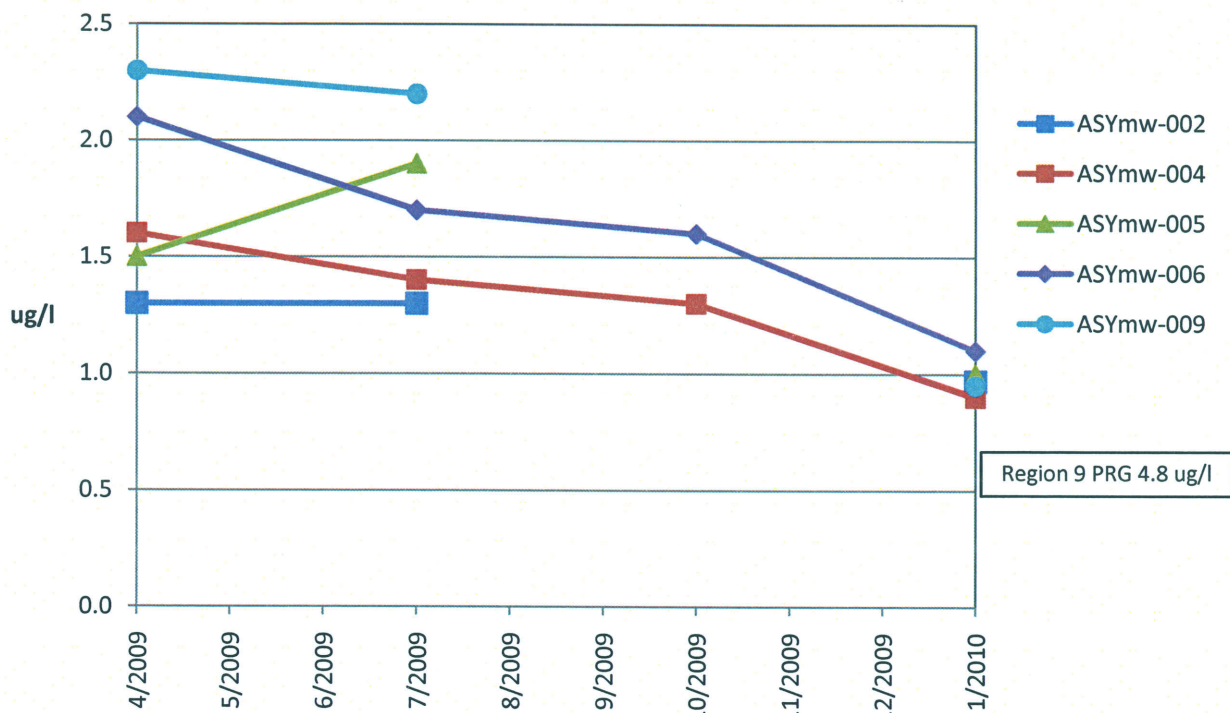
Atlas Scrap Yard 1,3,5-Trinitrobenzene



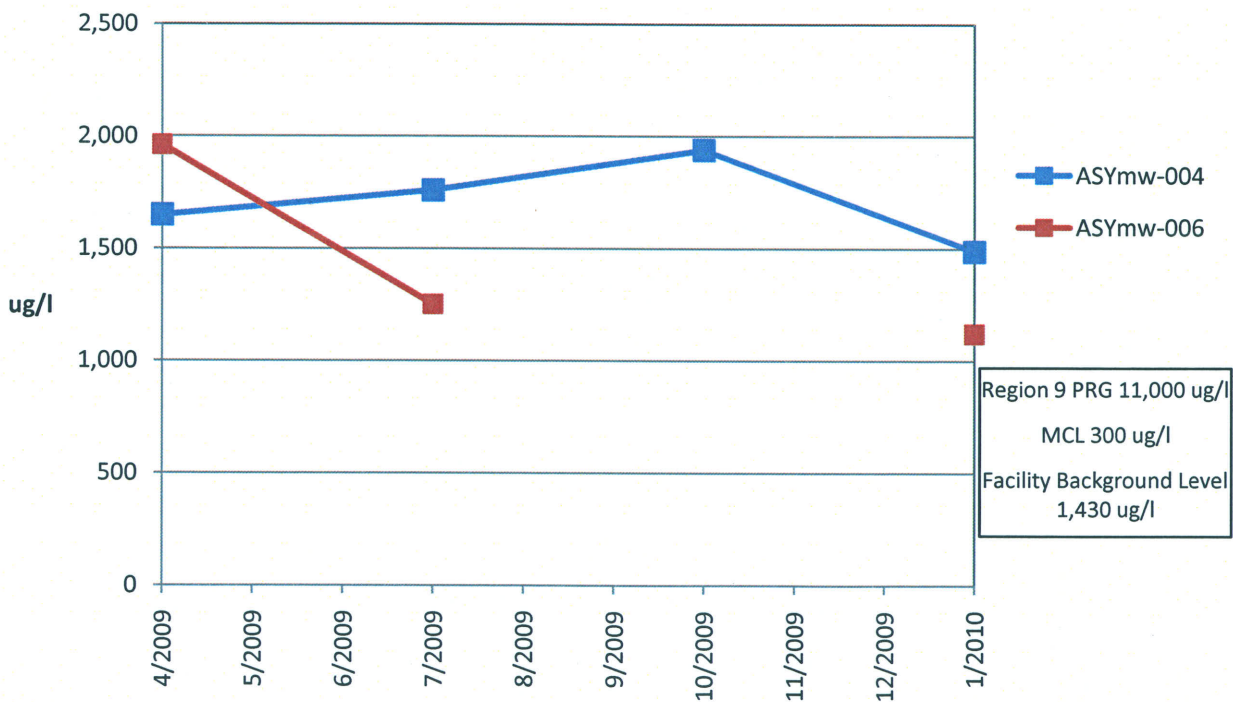
Atlas Scrap Yard Arsenic



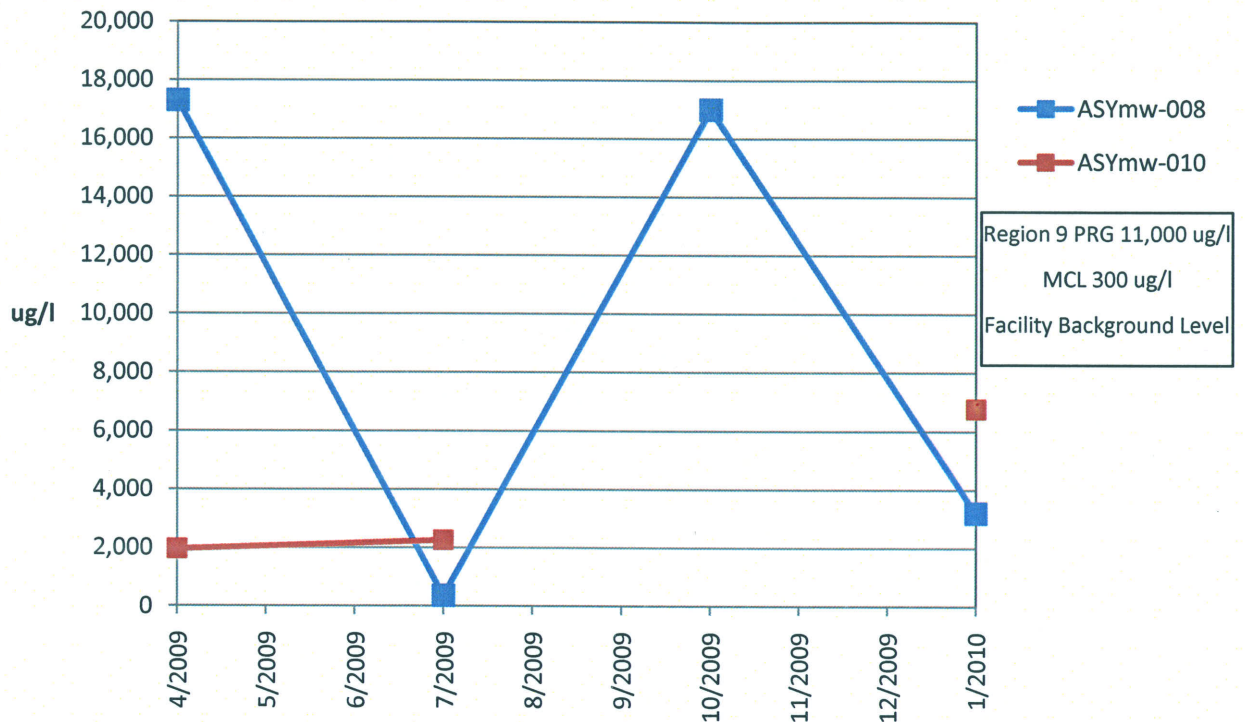
Atlas Scrap Yard Bis-(2-ethylhexyl) phthalate



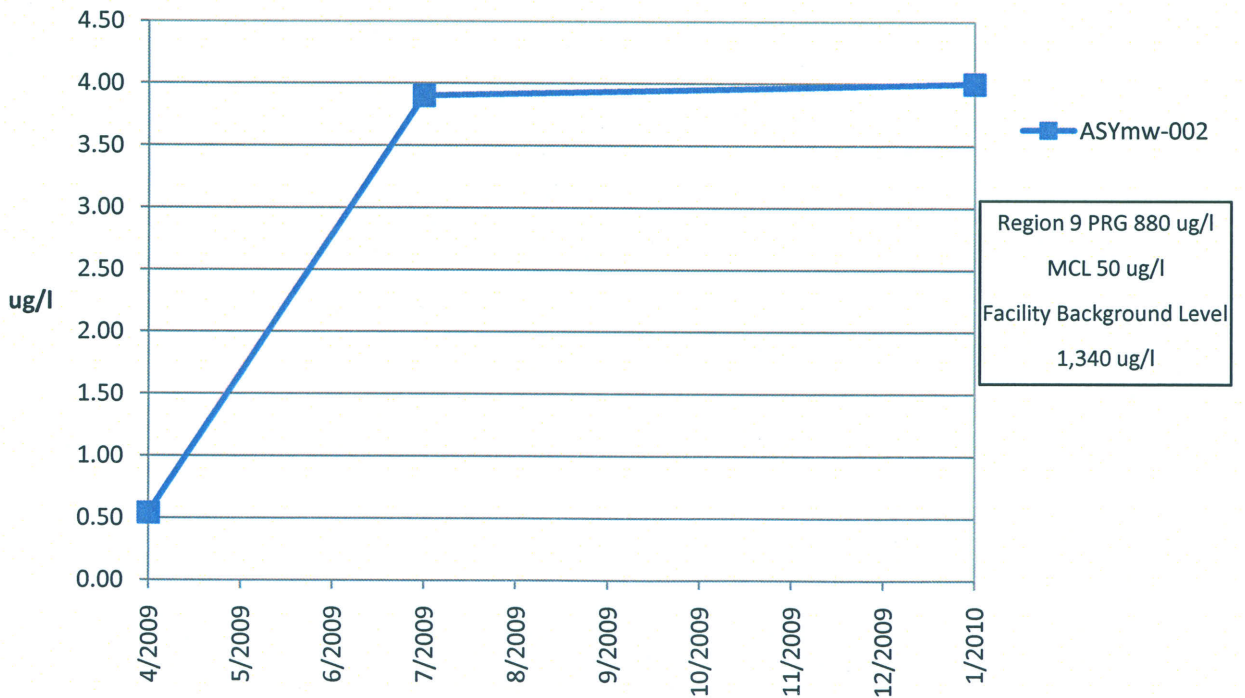
Atlas Scrap Yard Iron (Bedrock)



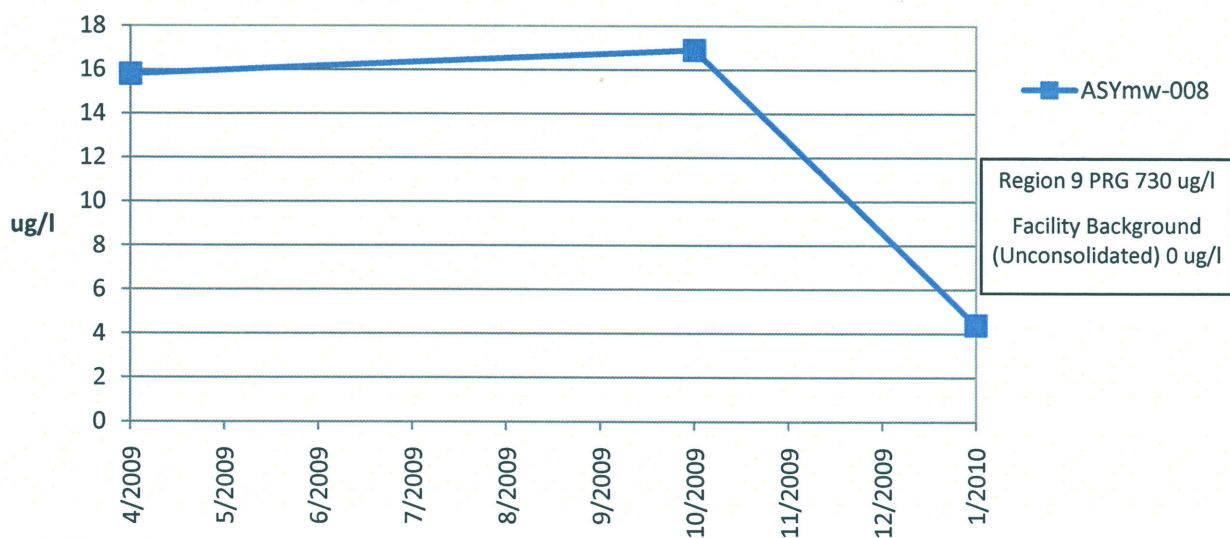
Atlas Scrap Yard Iron (Unconsolidated)



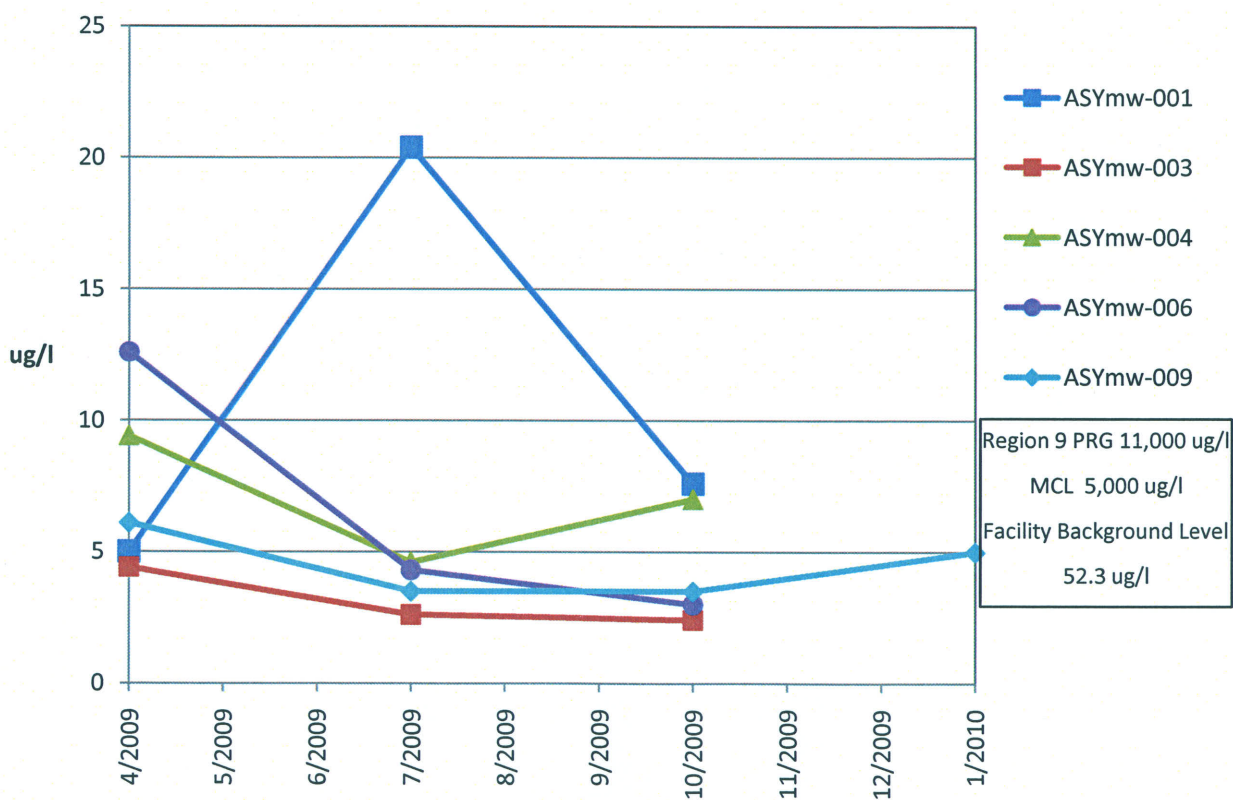
Atlas Scrap Yard Manganese



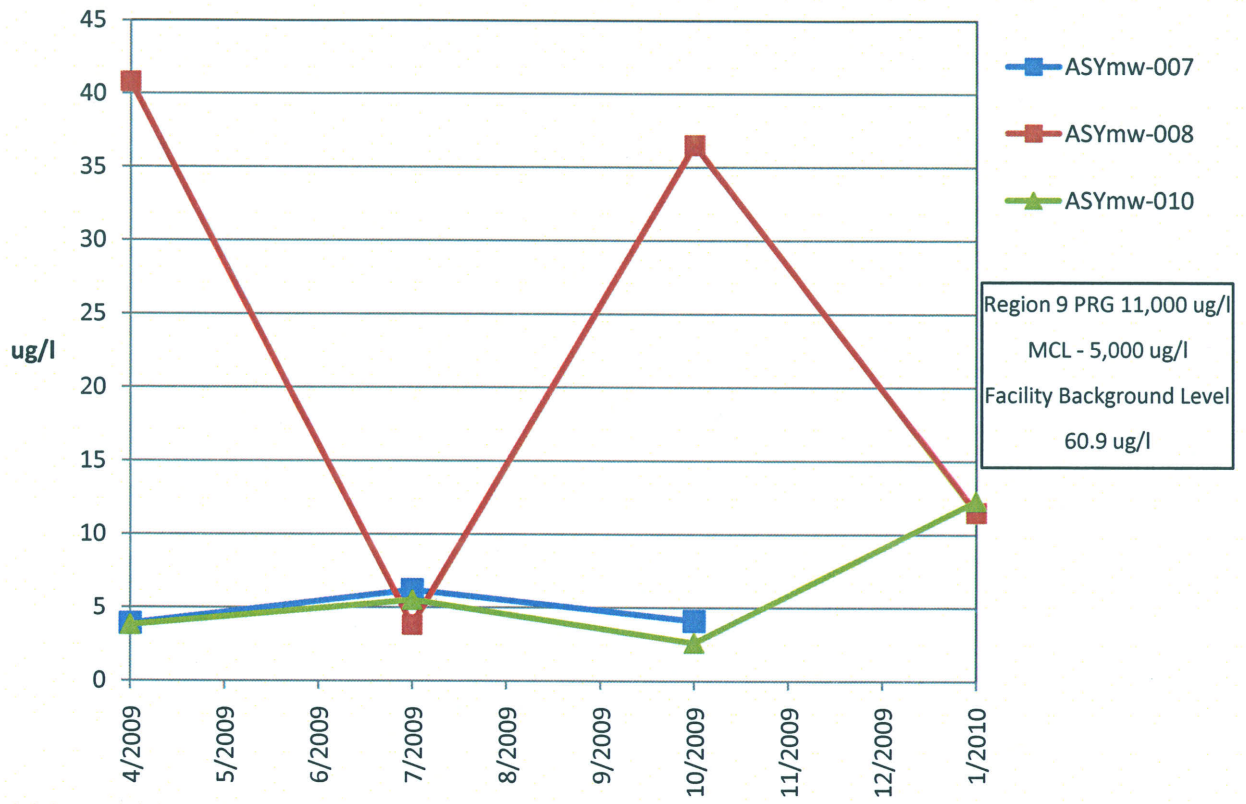
Atlas Scrap Yard Nickel



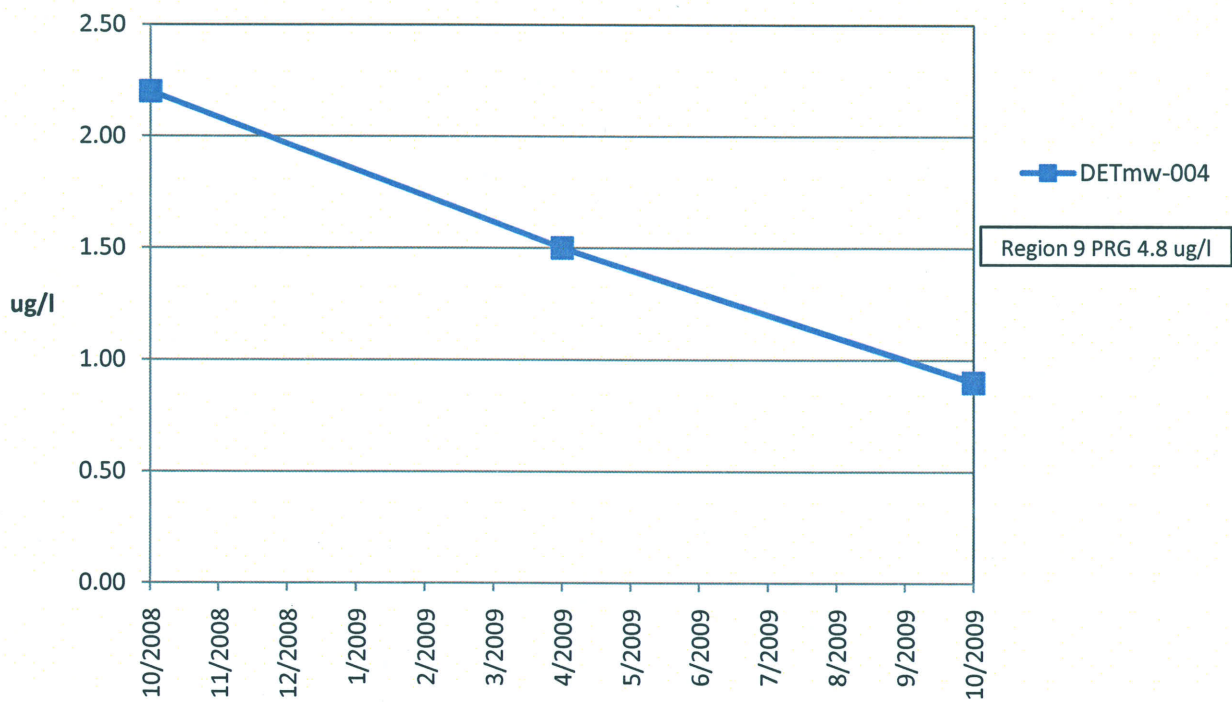
Atlas Scrap Yard Zinc (Bedrock)



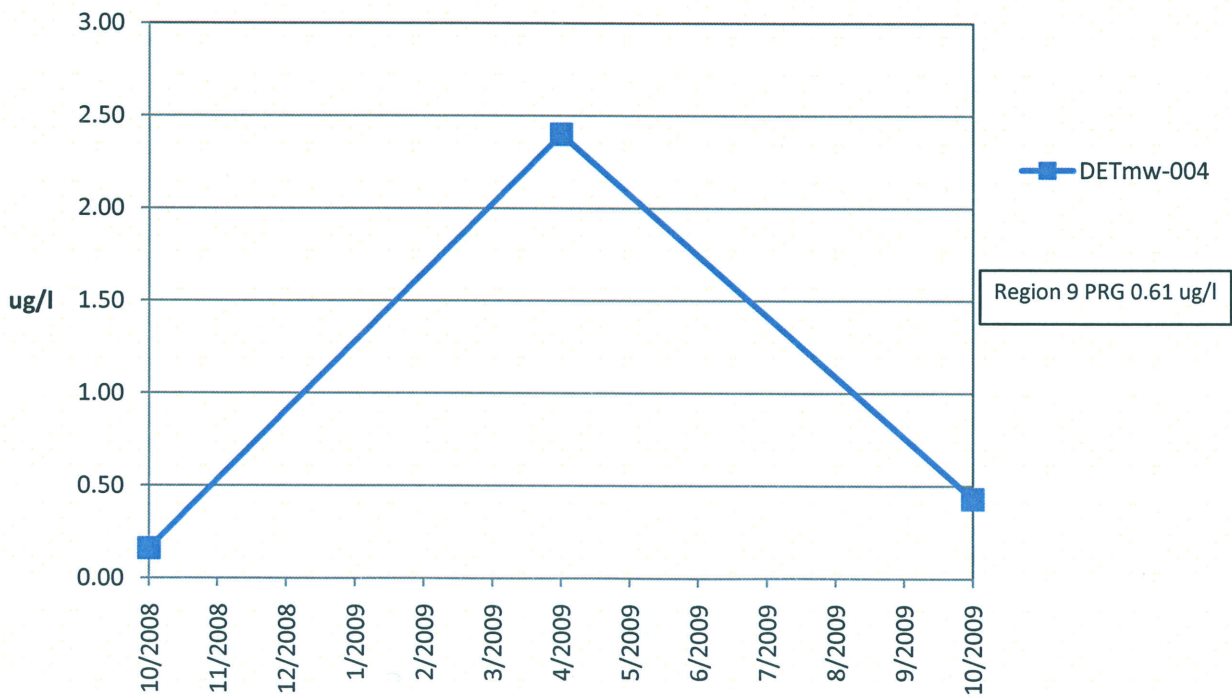
Atlas Scrap Yard Zinc (Unconsolidated)



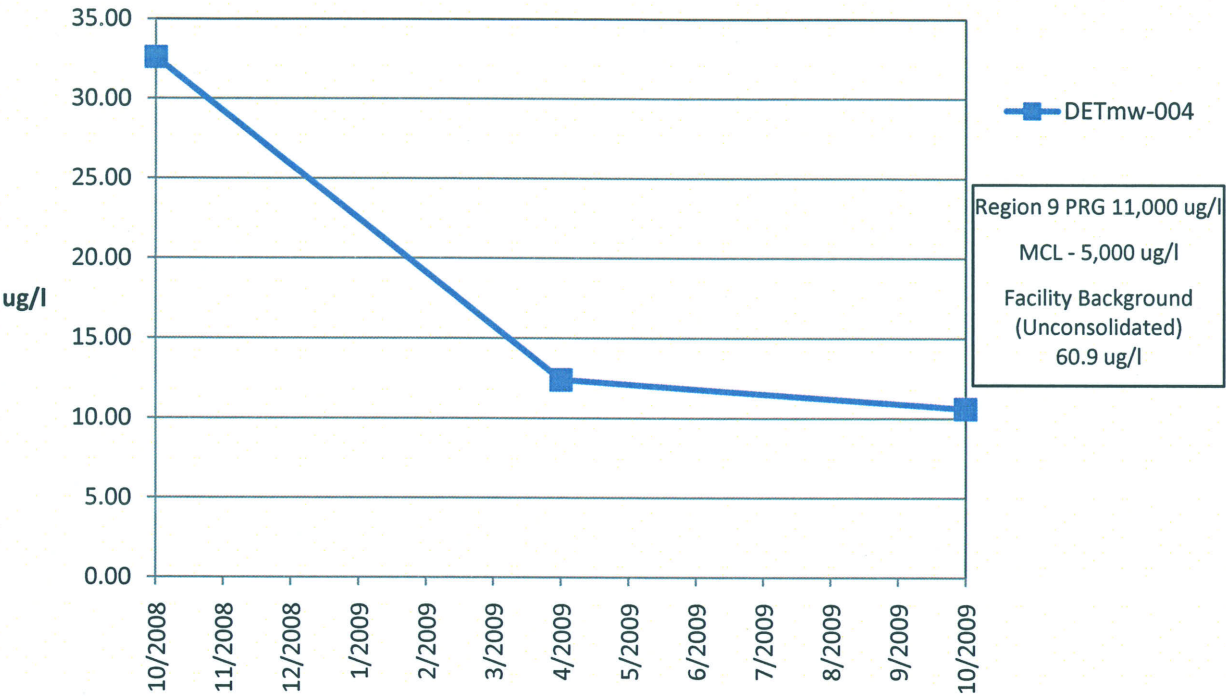
Demo Area 2
Bis-(2-ethylhexyl) phthalate

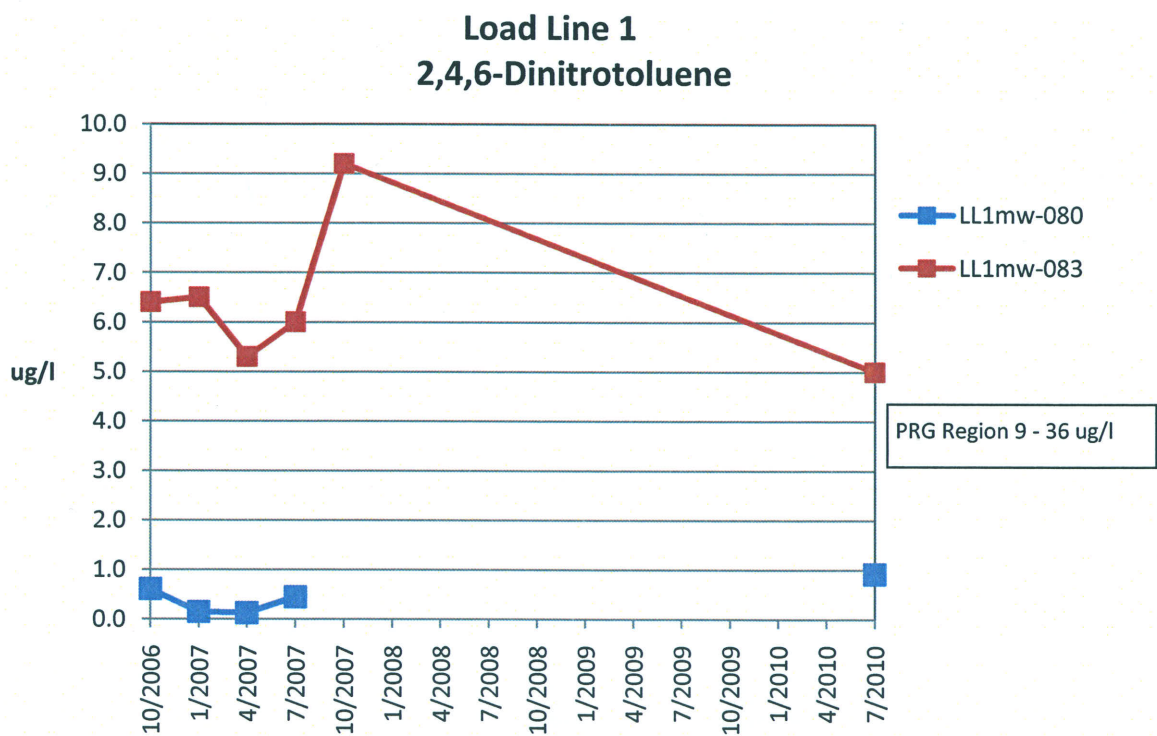
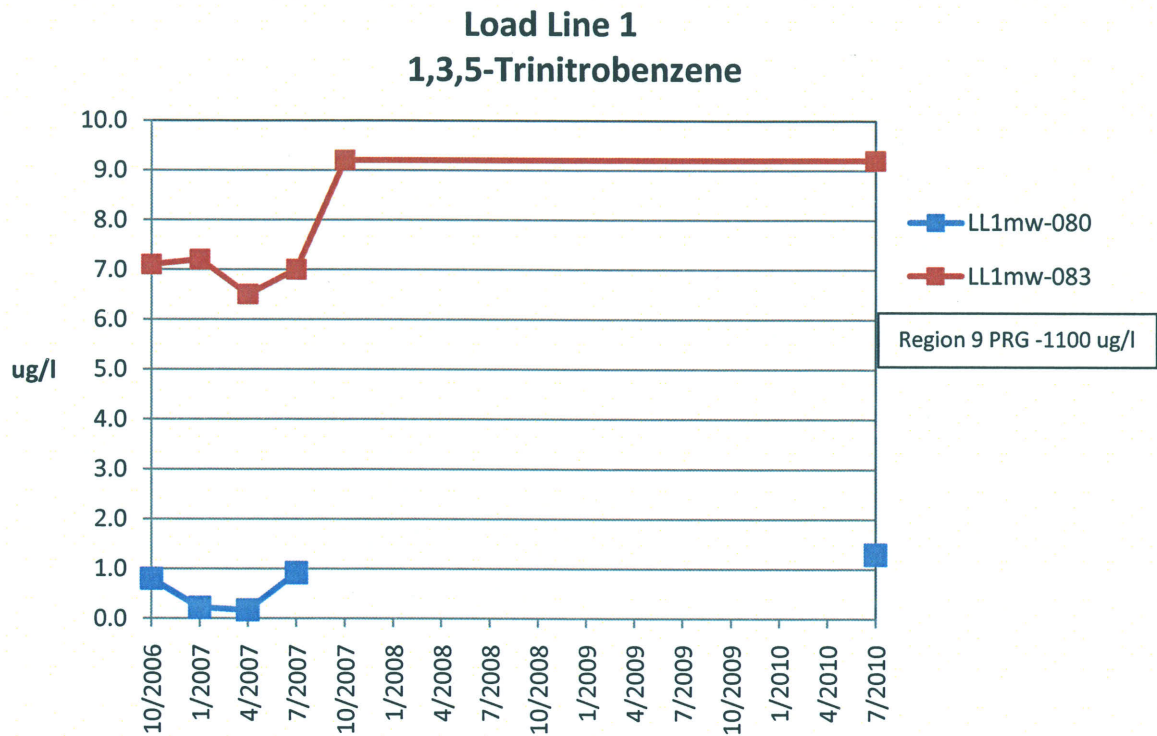


Demo Area 2
RDX

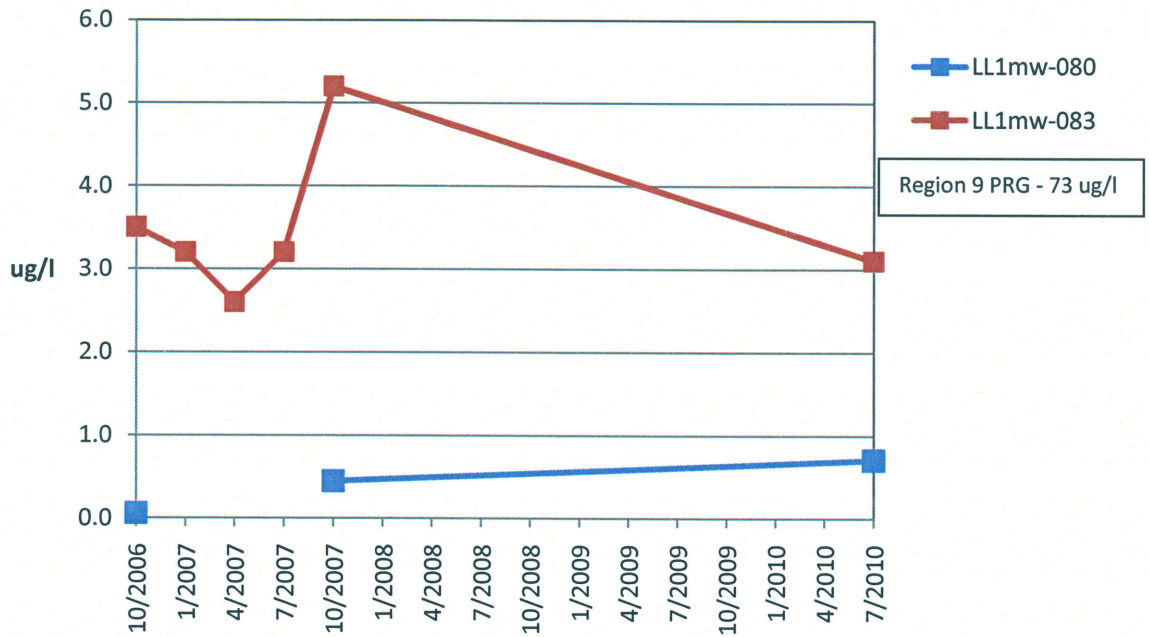


Demo Area 2
Zinc

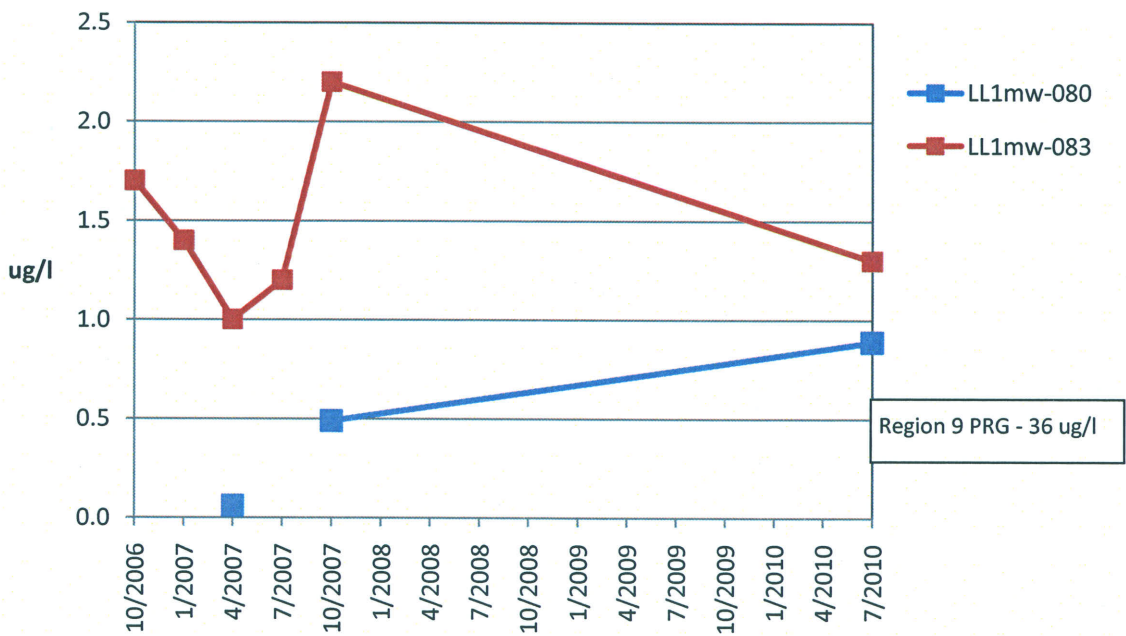




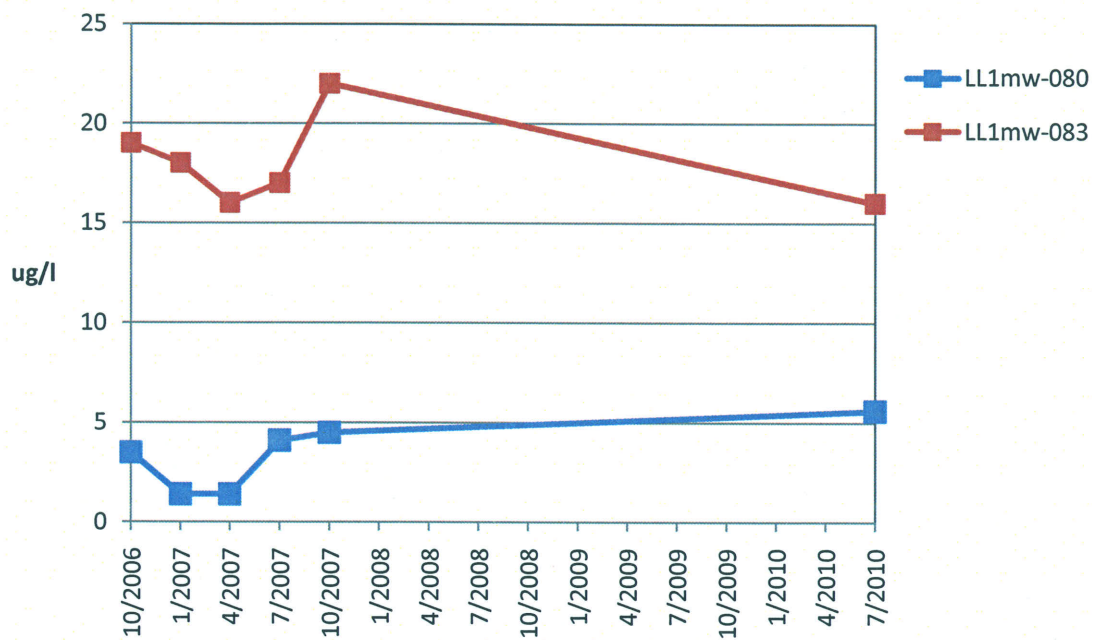
Load Line 1 2,4-Dinitrotoluene



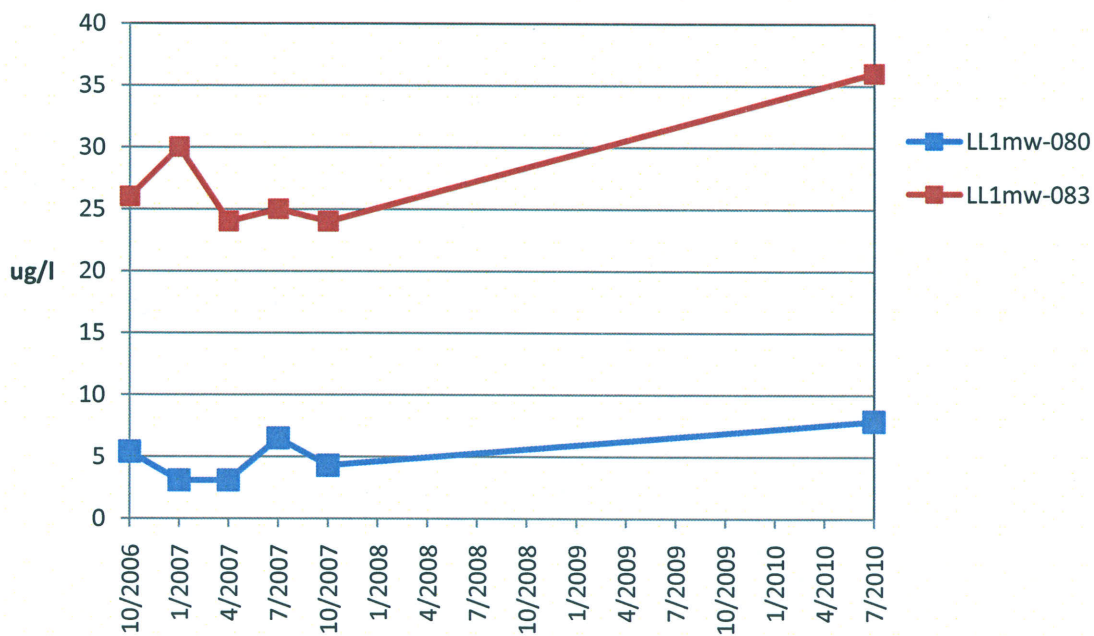
Load Line 1 2,6-Dinitrotoluene



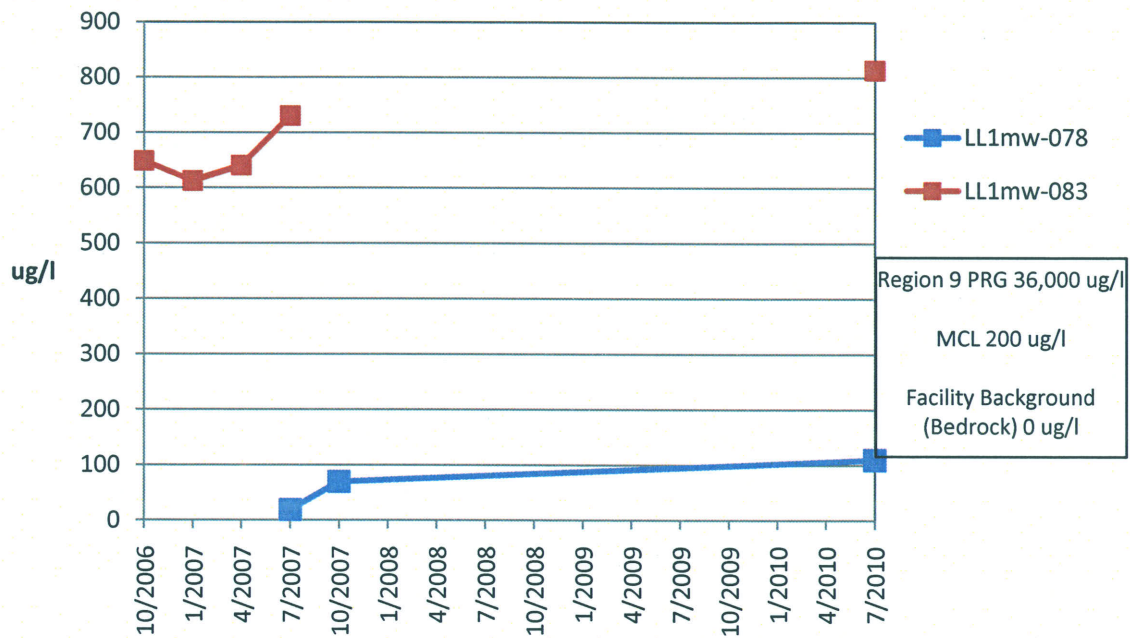
Load Line 1 2-Amino-4,6-Dinitrotoluene



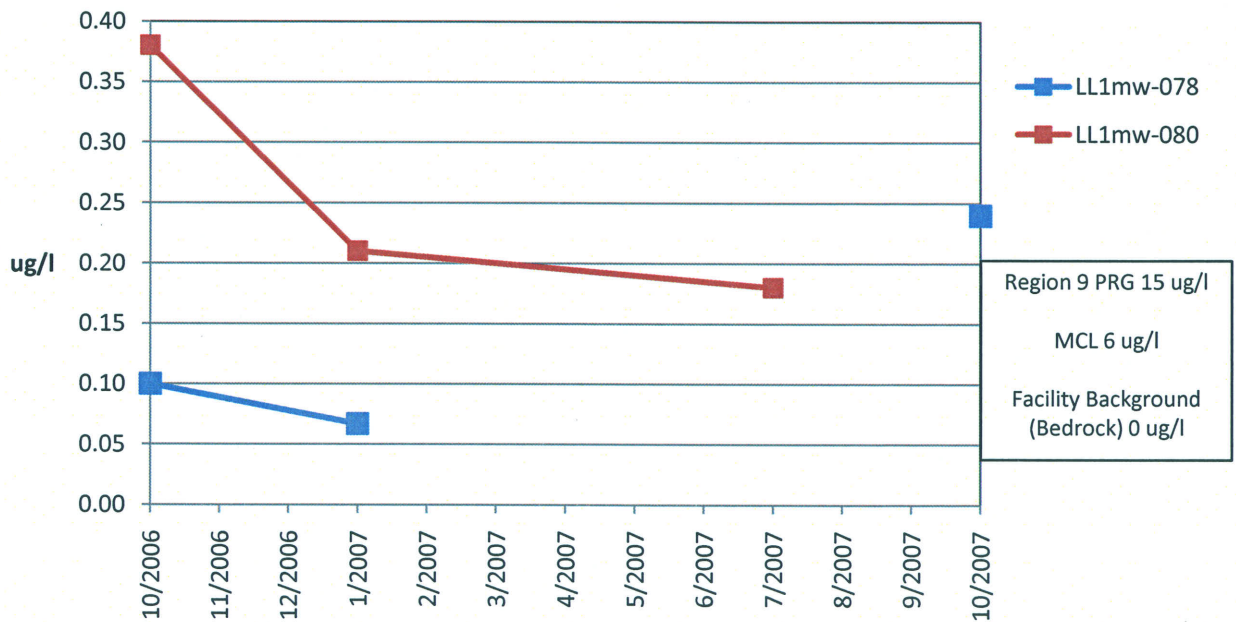
Load Line 1 4-Amino 2,6-dinitrotoluene

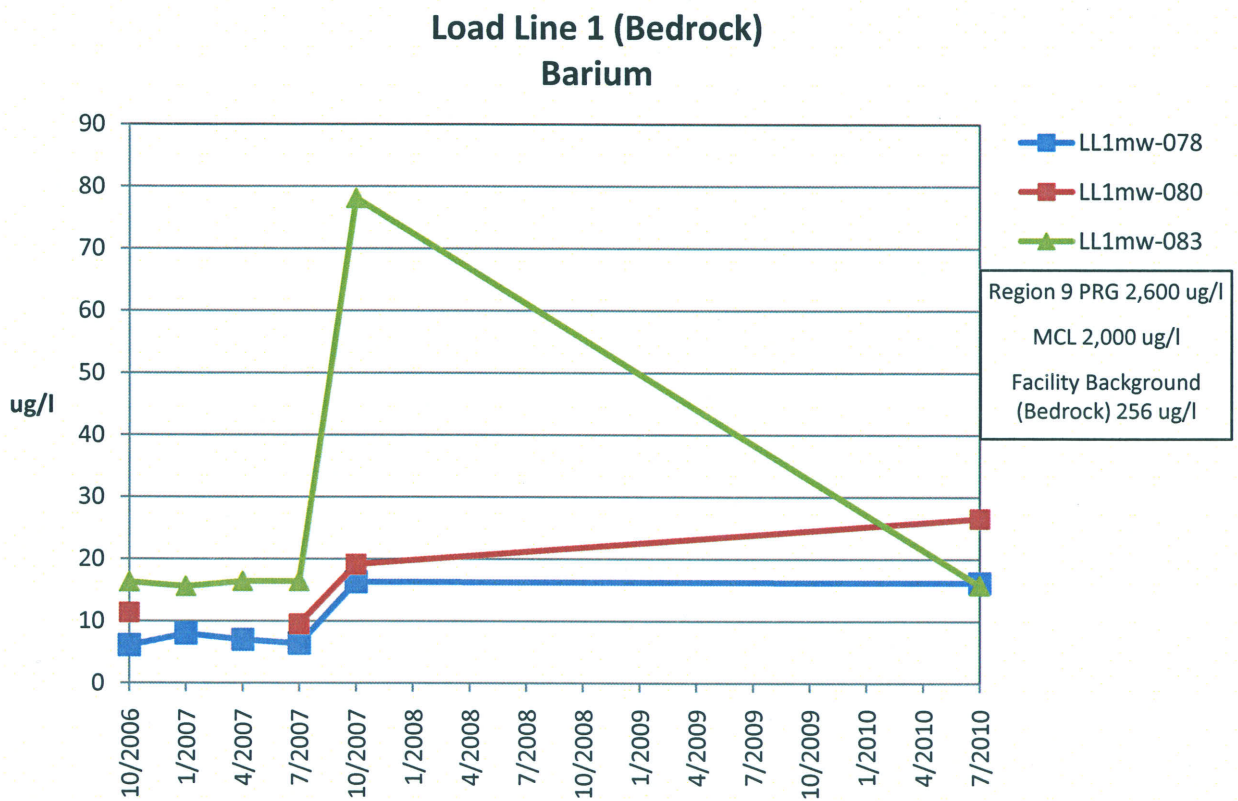
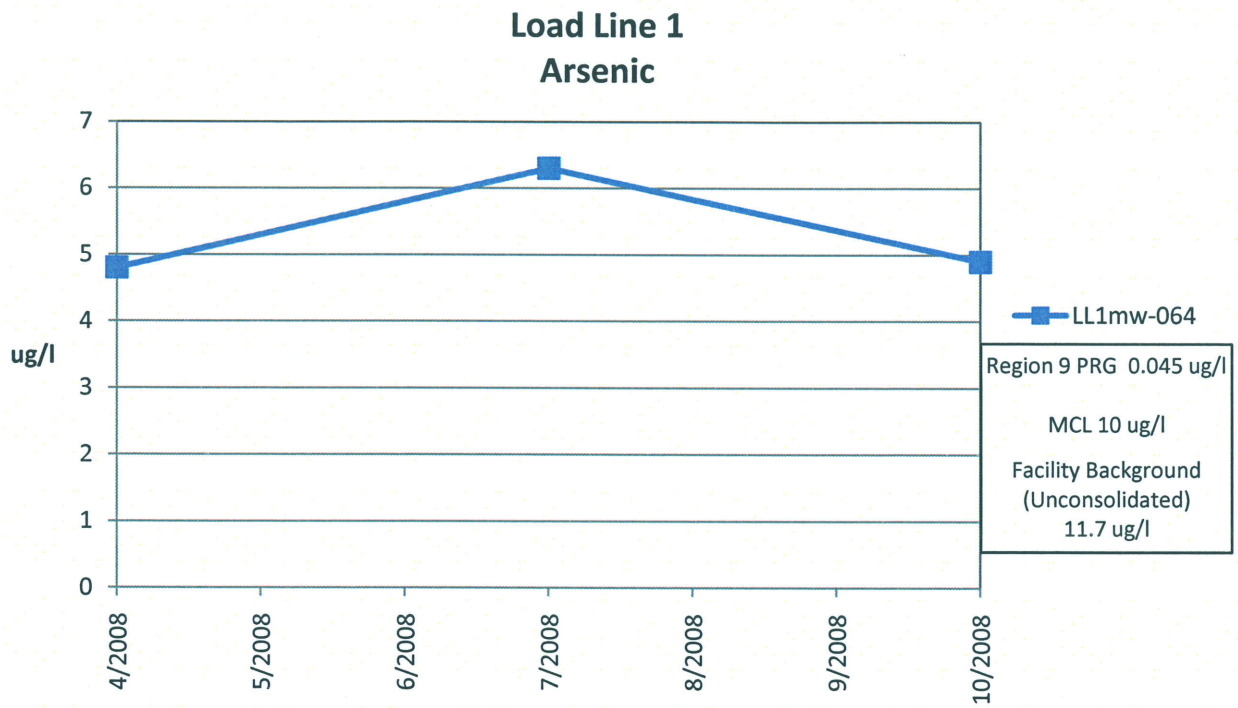


Load Line 1 Aluminum

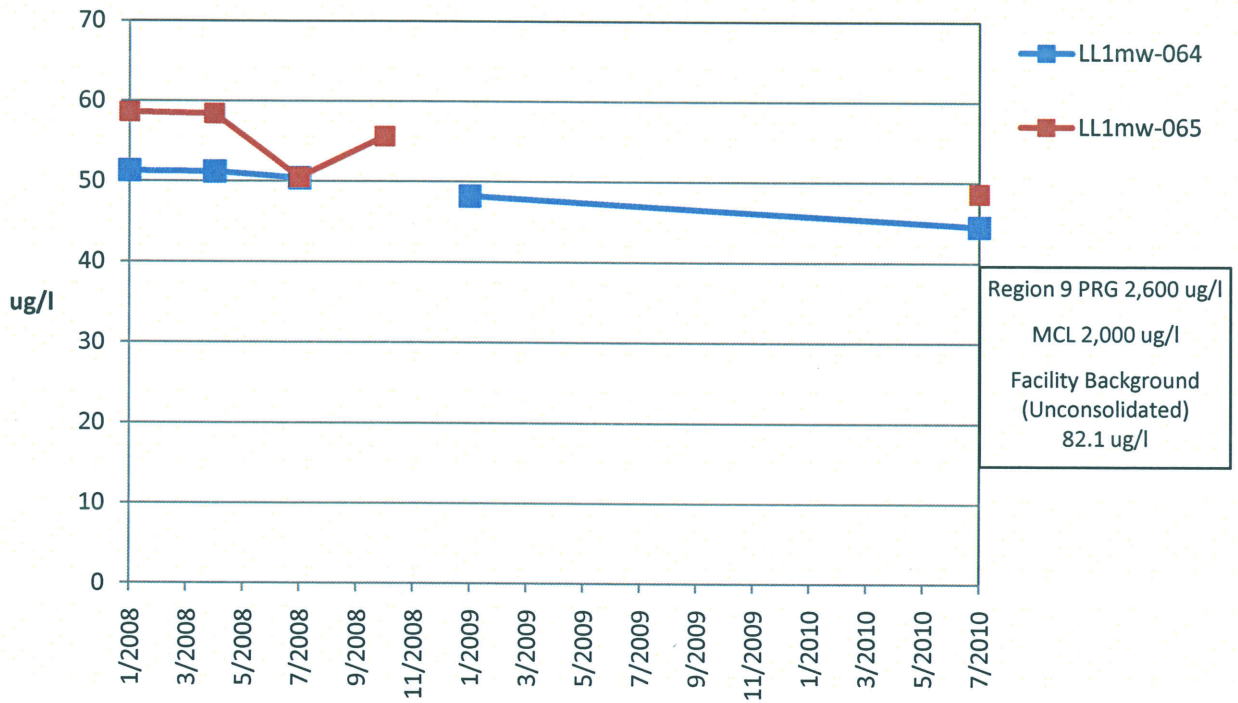


Load Line 1 Antimony

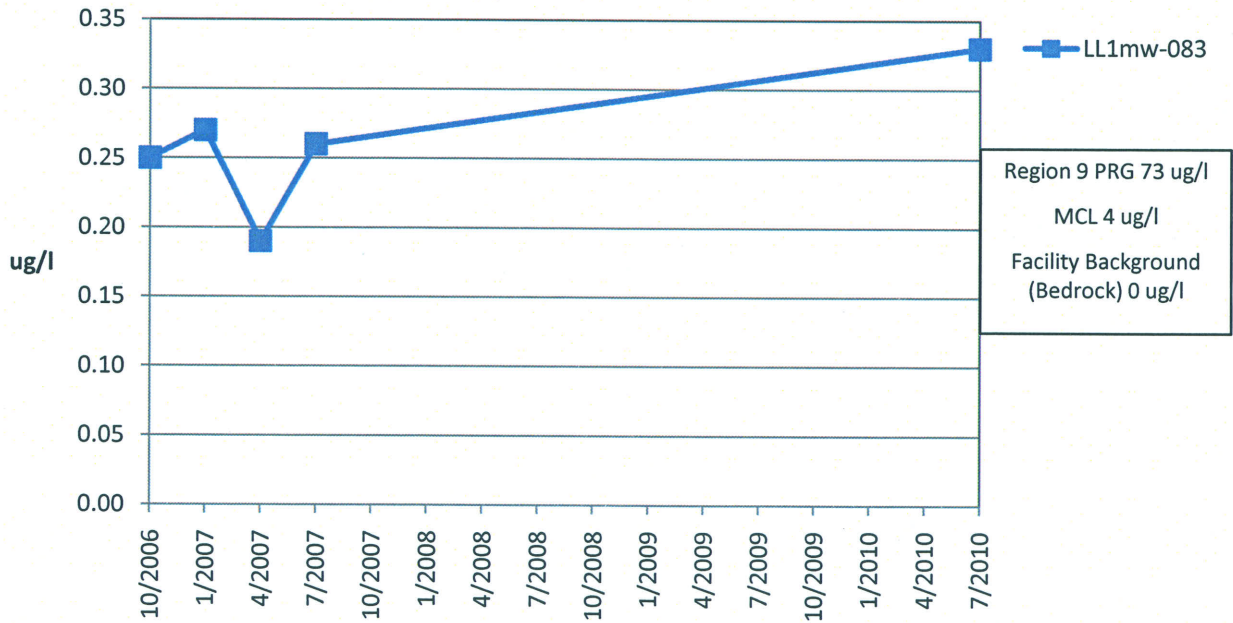


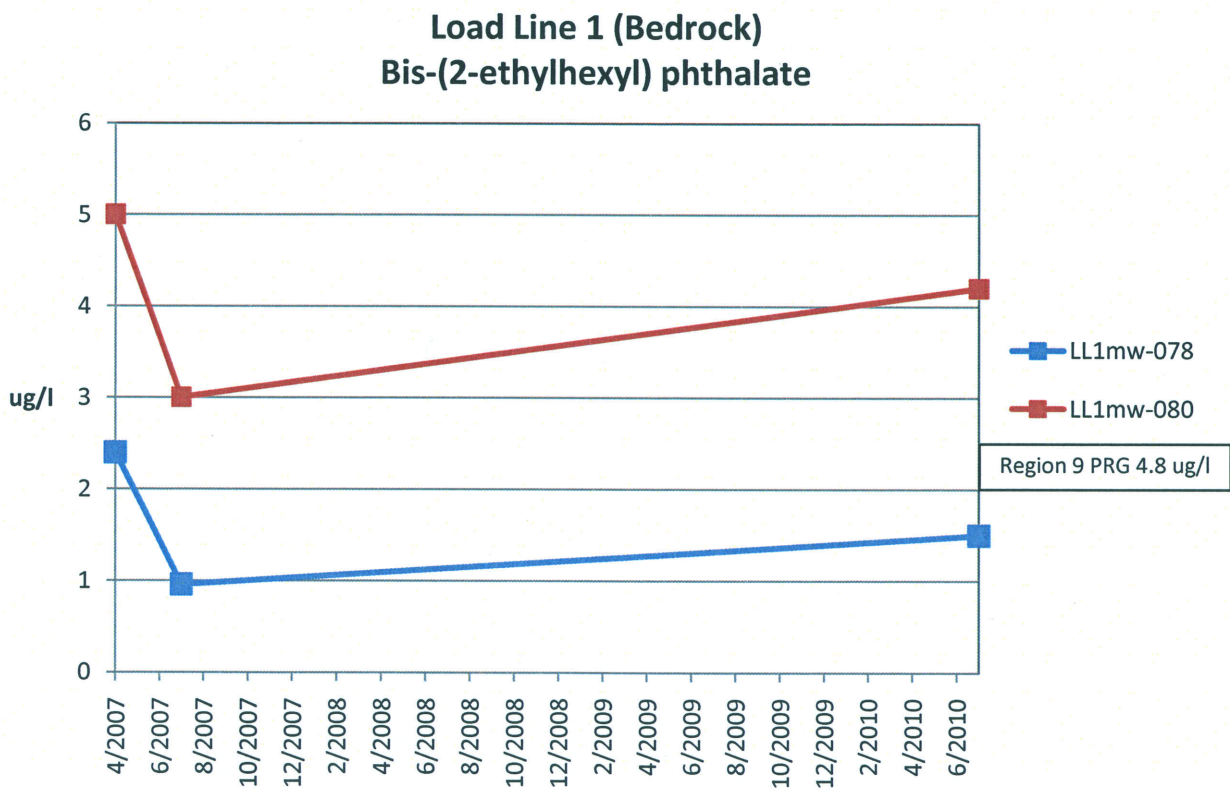
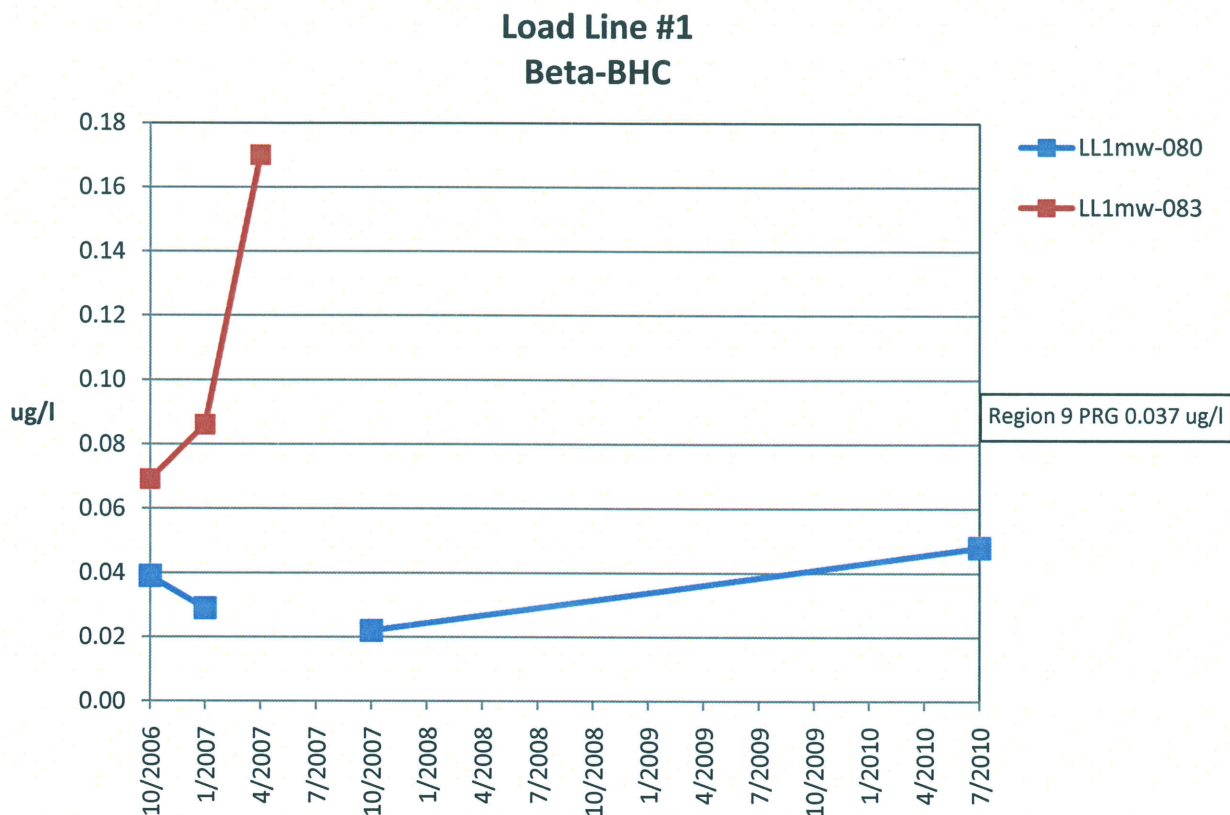


Load Line #1 (Unconsolidated) Barium

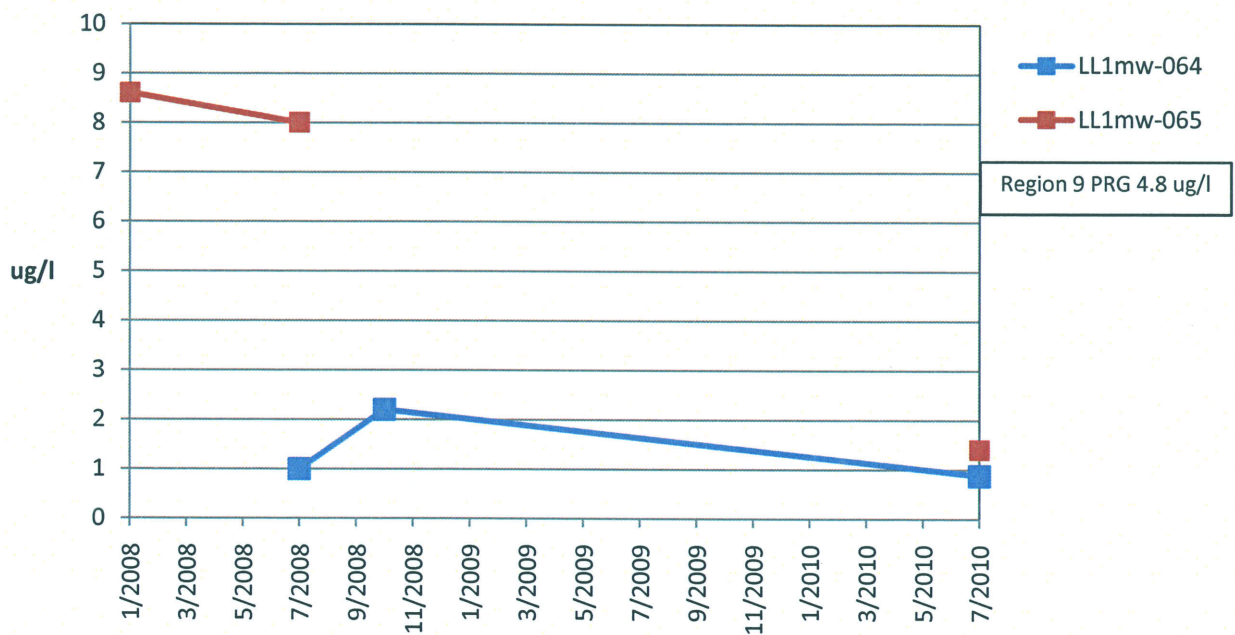


Load Line #1 Beryllium

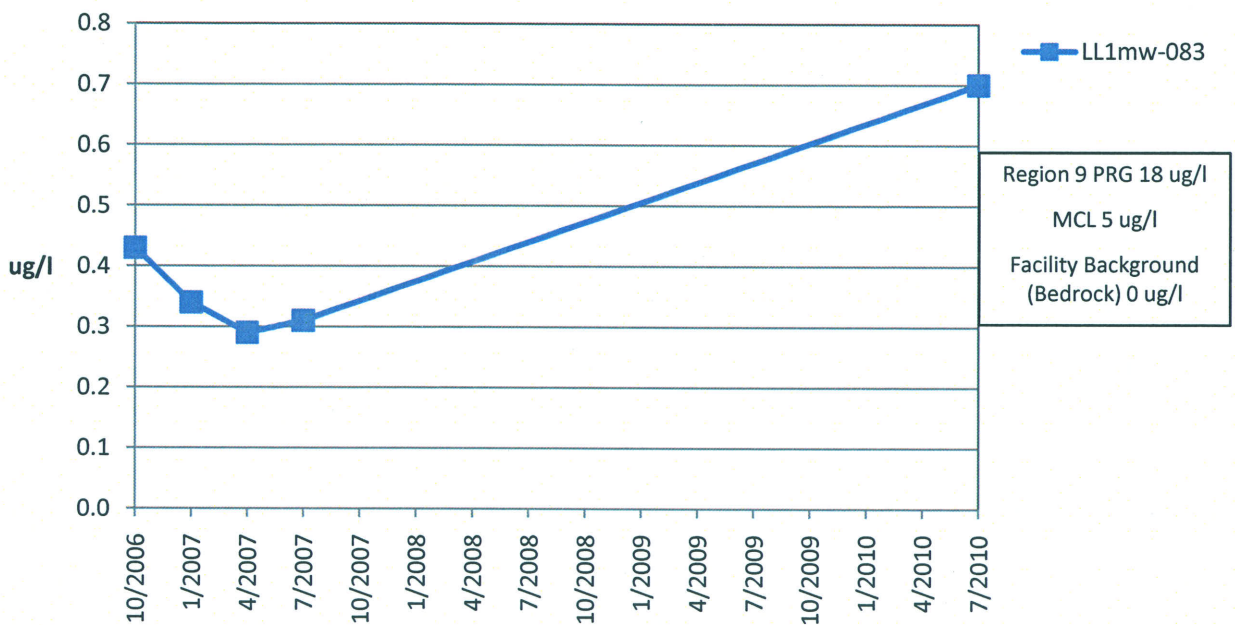




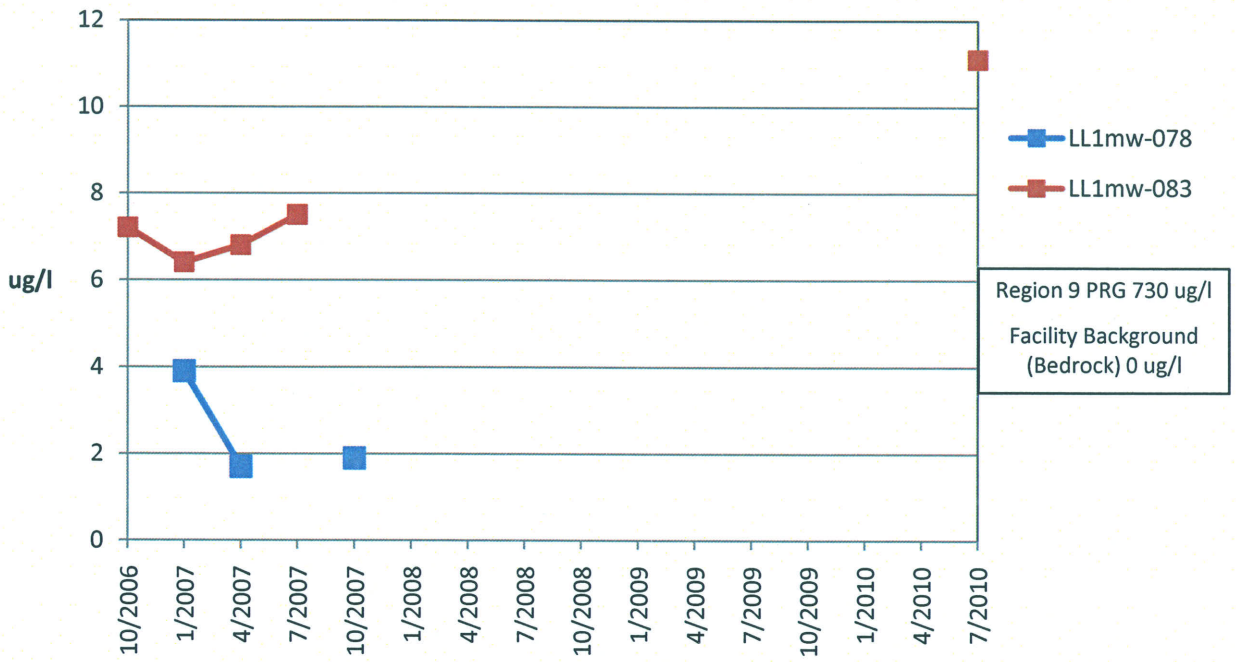
Load Line 1 (Unconsolidated) Bis-(2-ethylhexyl) phthalate



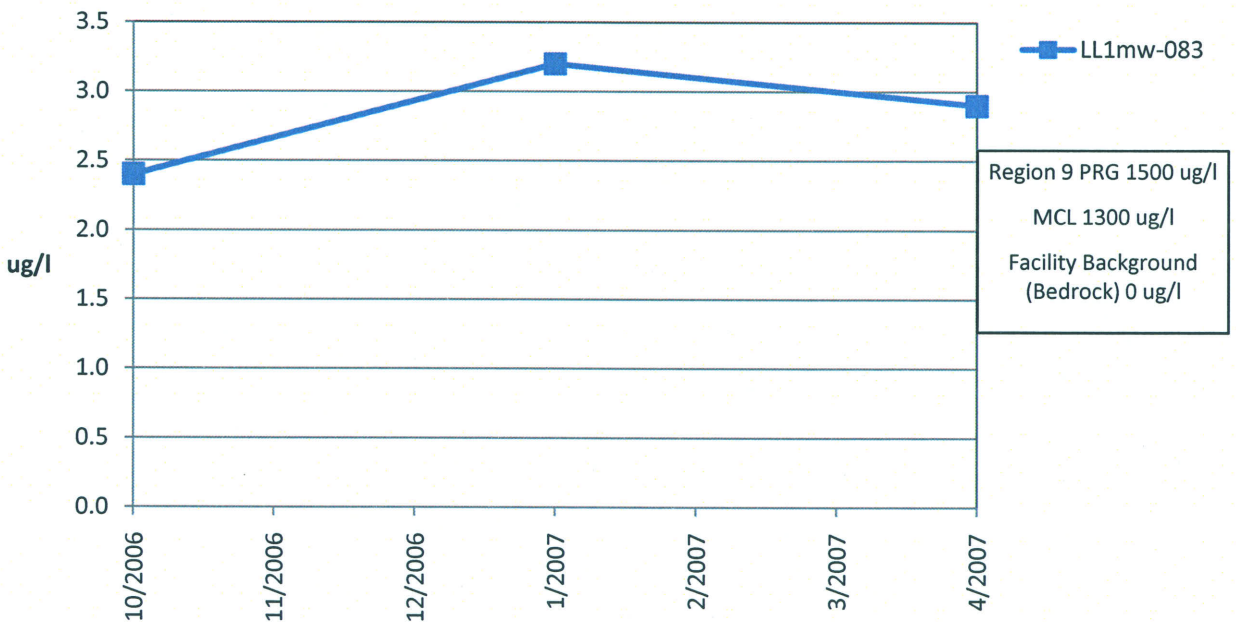
Load Line #1 Cadmium



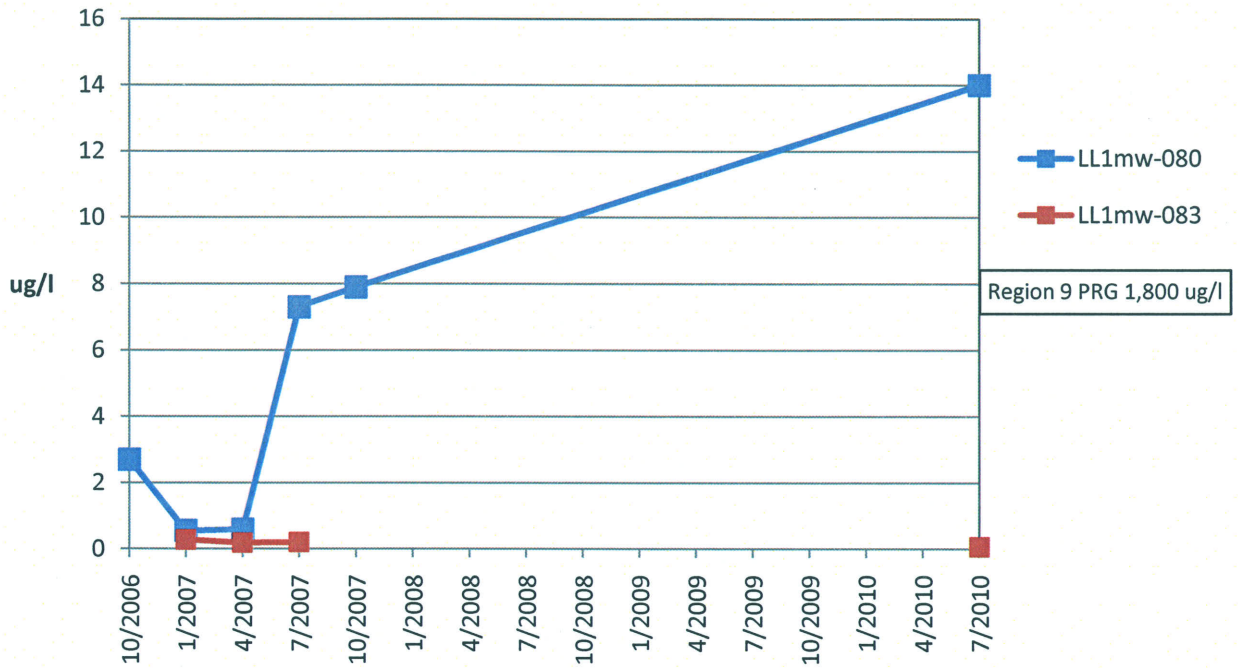
Load Line #1 Cobalt



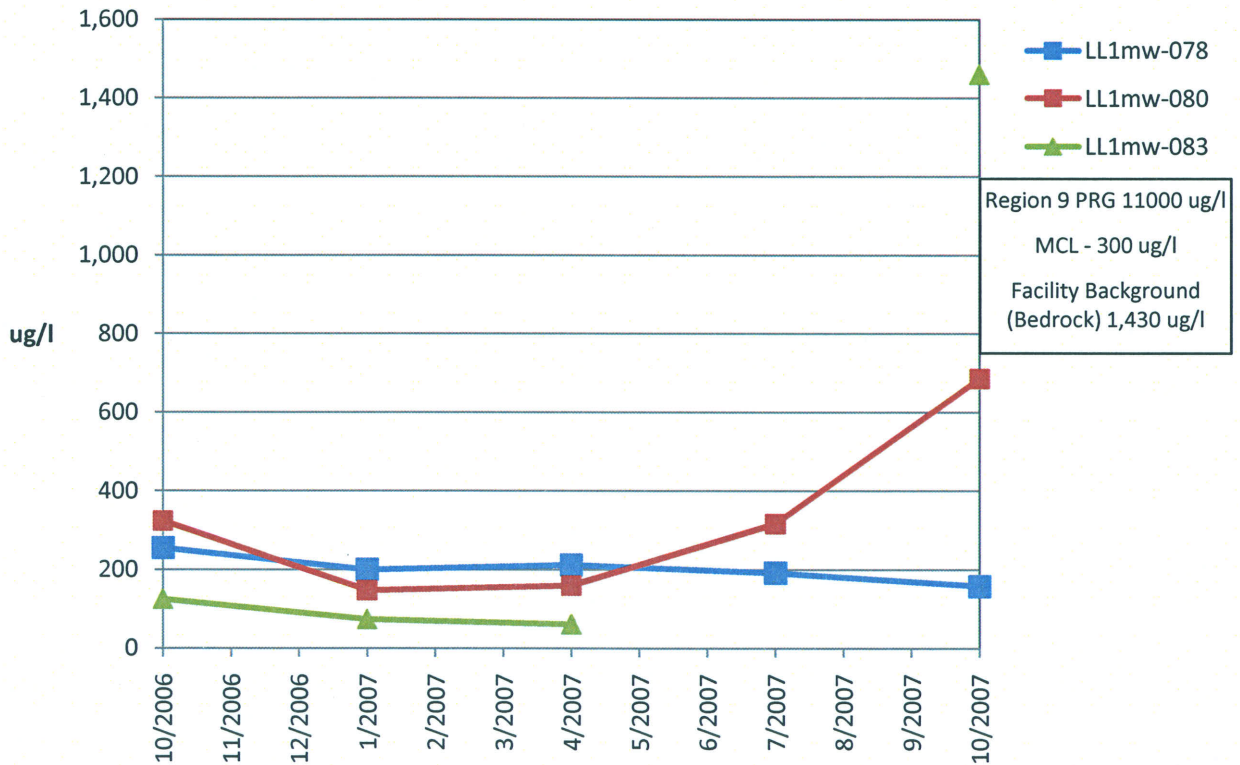
Load Line #1 Copper



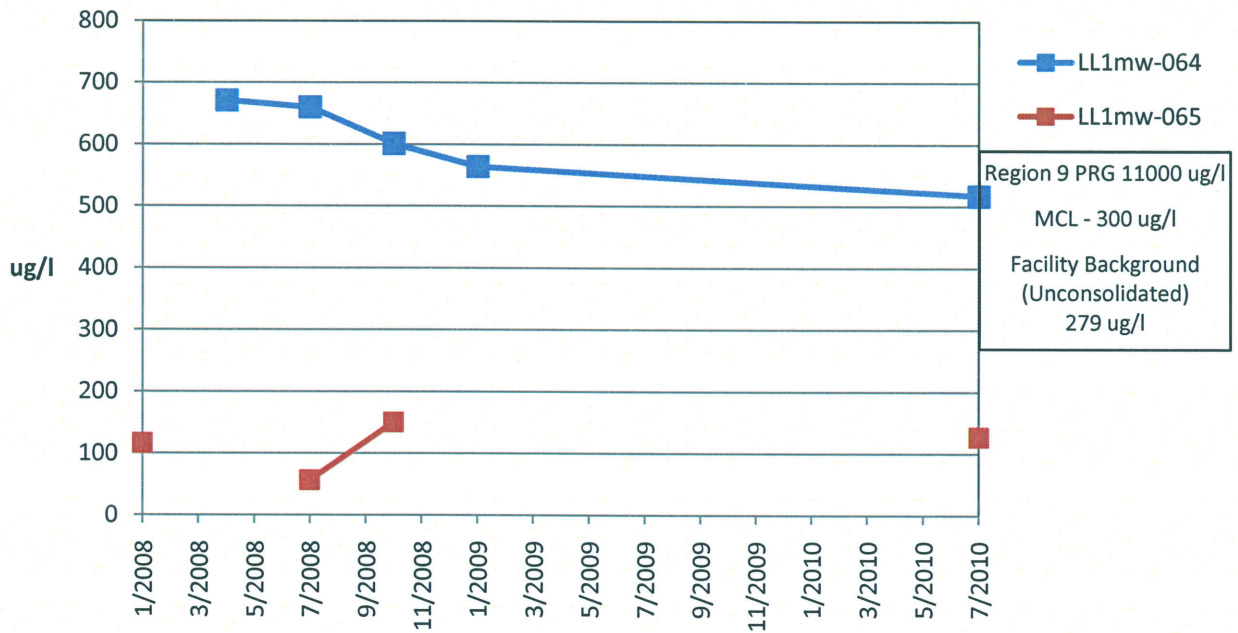
Load Line #1 HMX



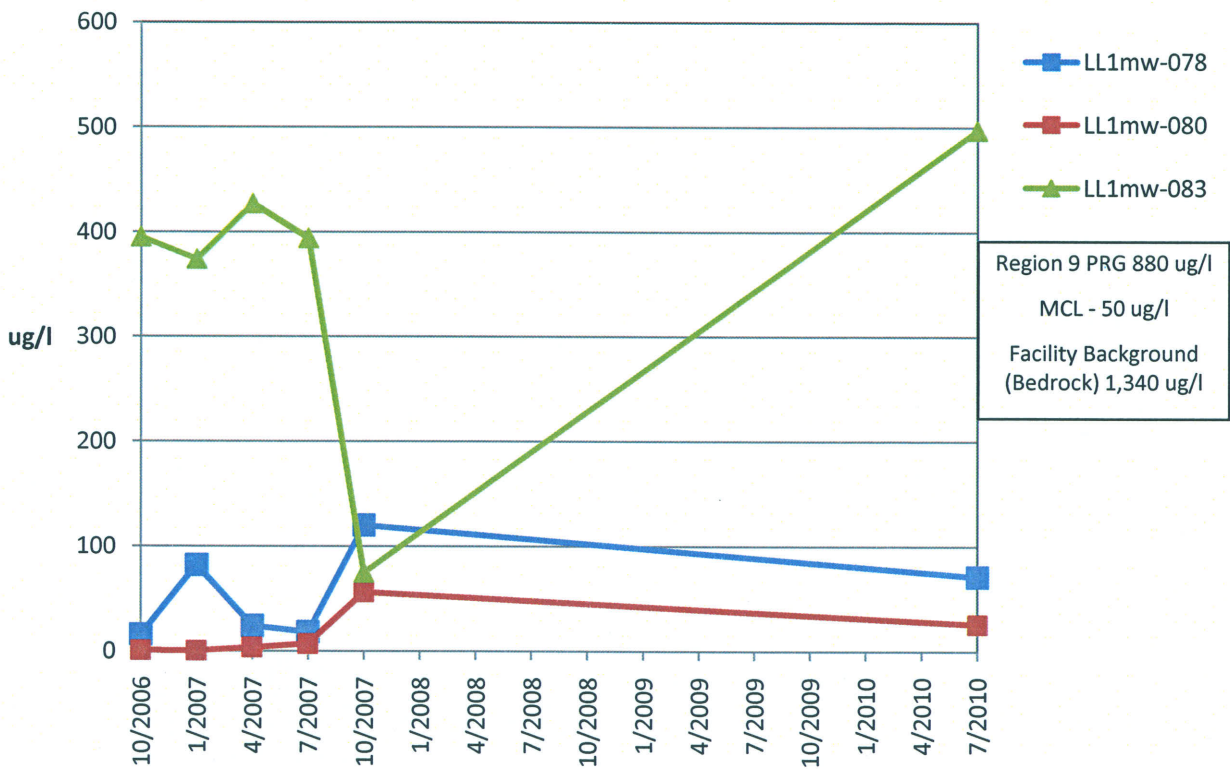
Load Line 1 (Bedrock) Iron



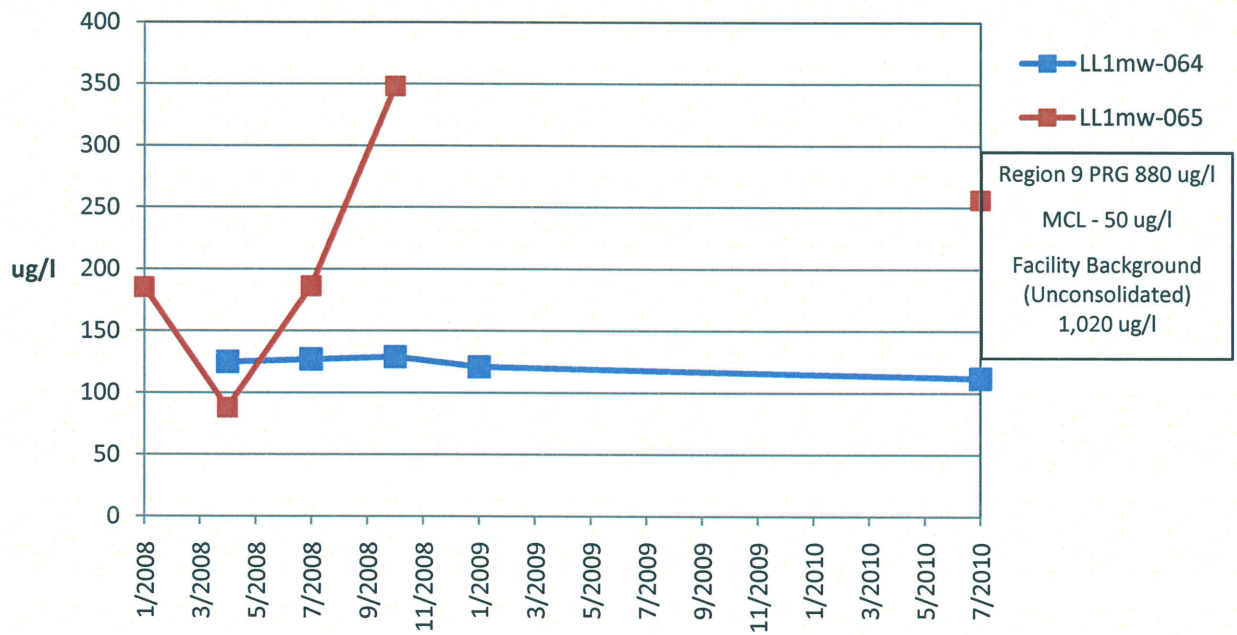
Load Line 1 (Unconsolidated) Iron



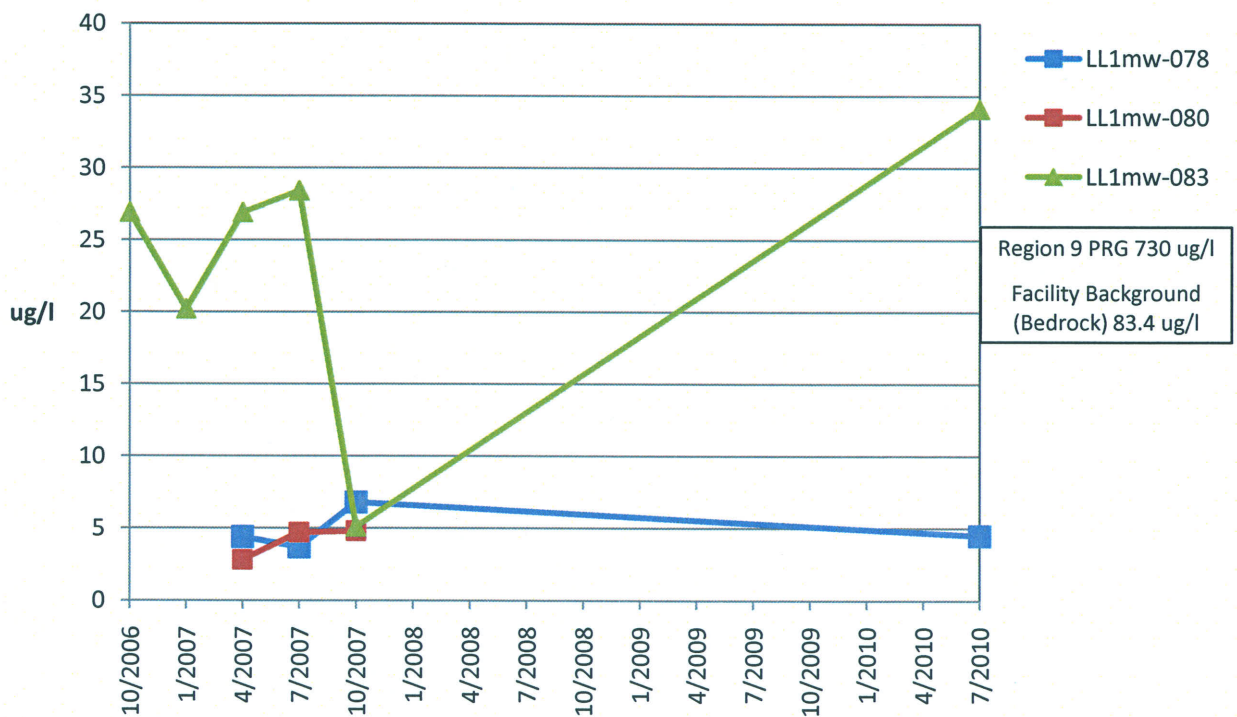
Load Line 1 (Bedrock) Manganese



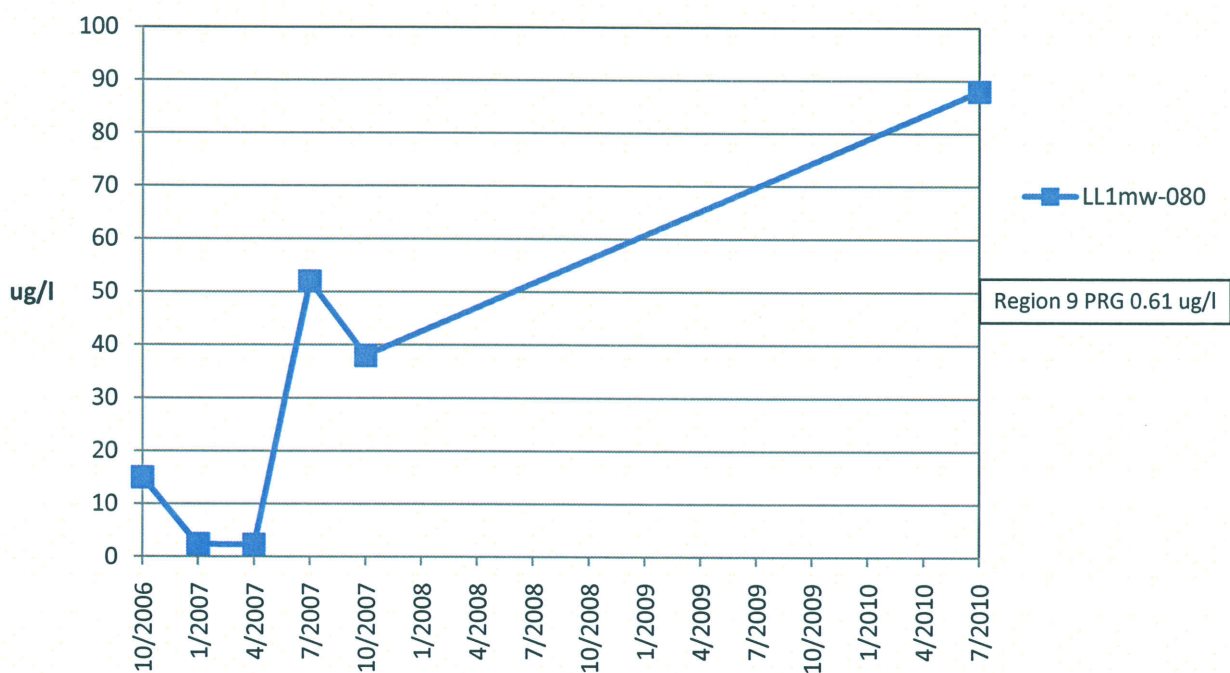
Load Line 1 (Unconsolidated) Manganese



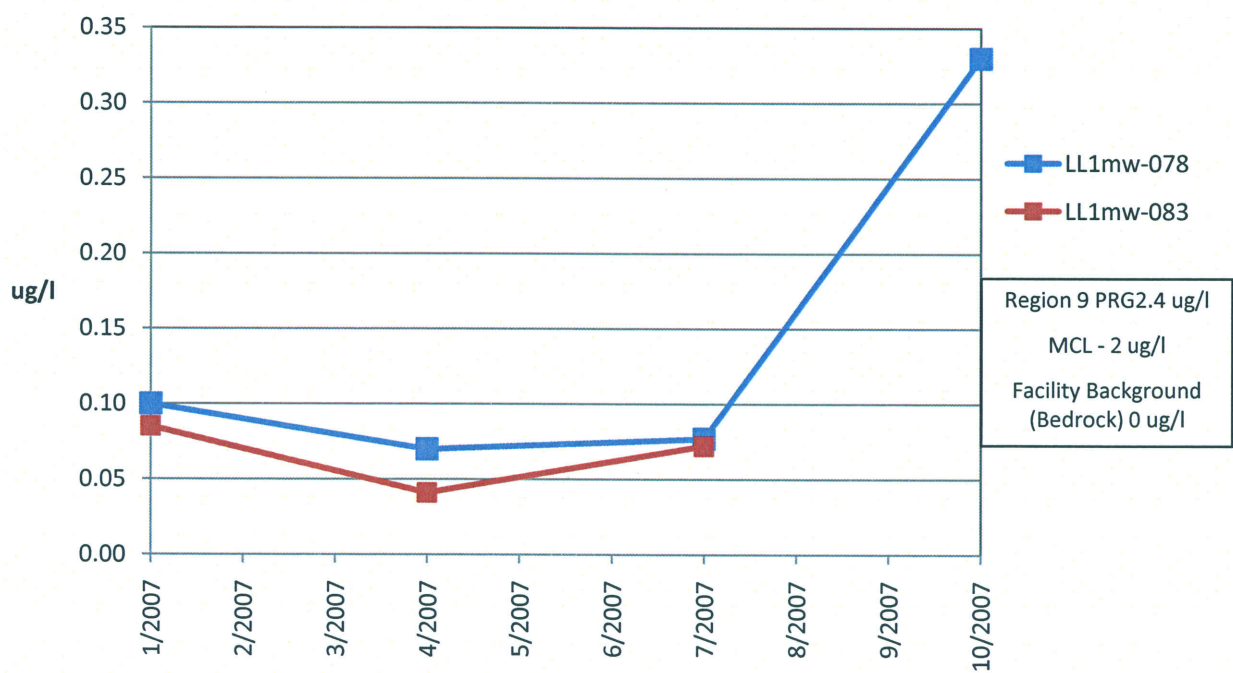
Load Line 1 Nickel

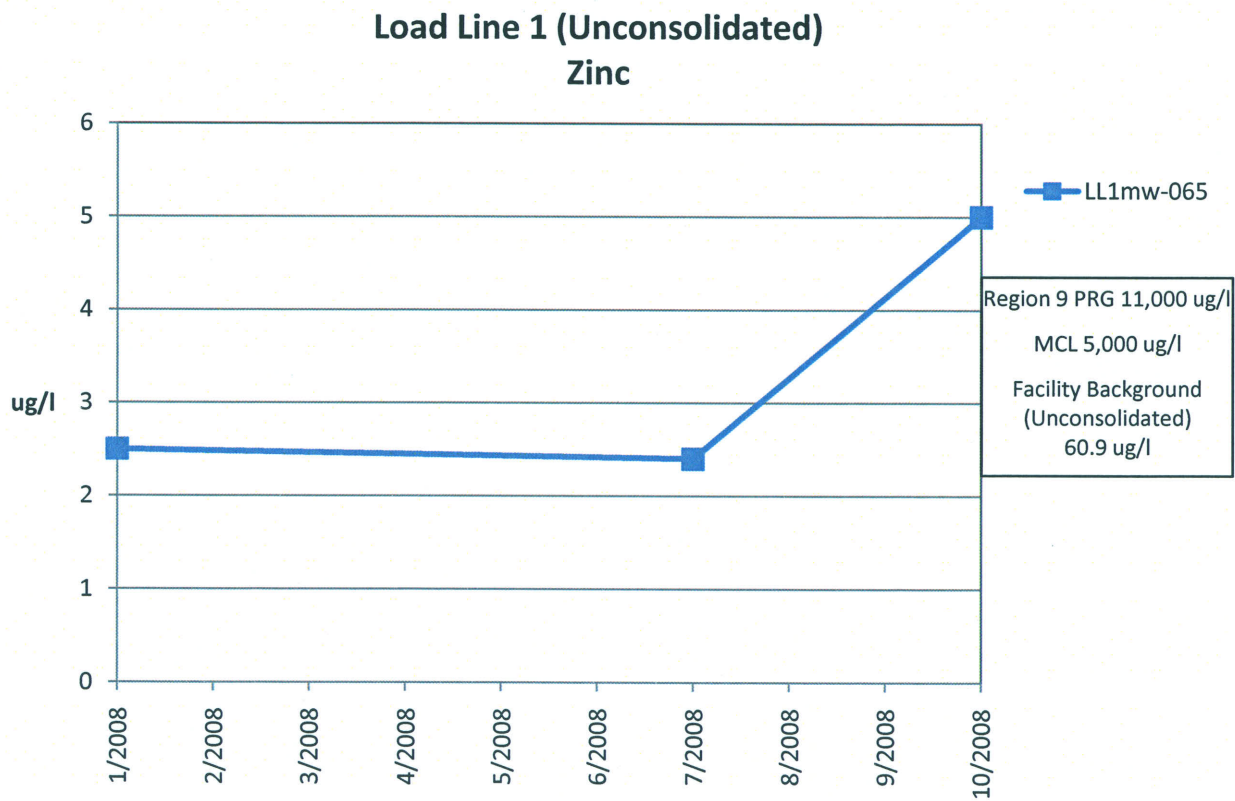
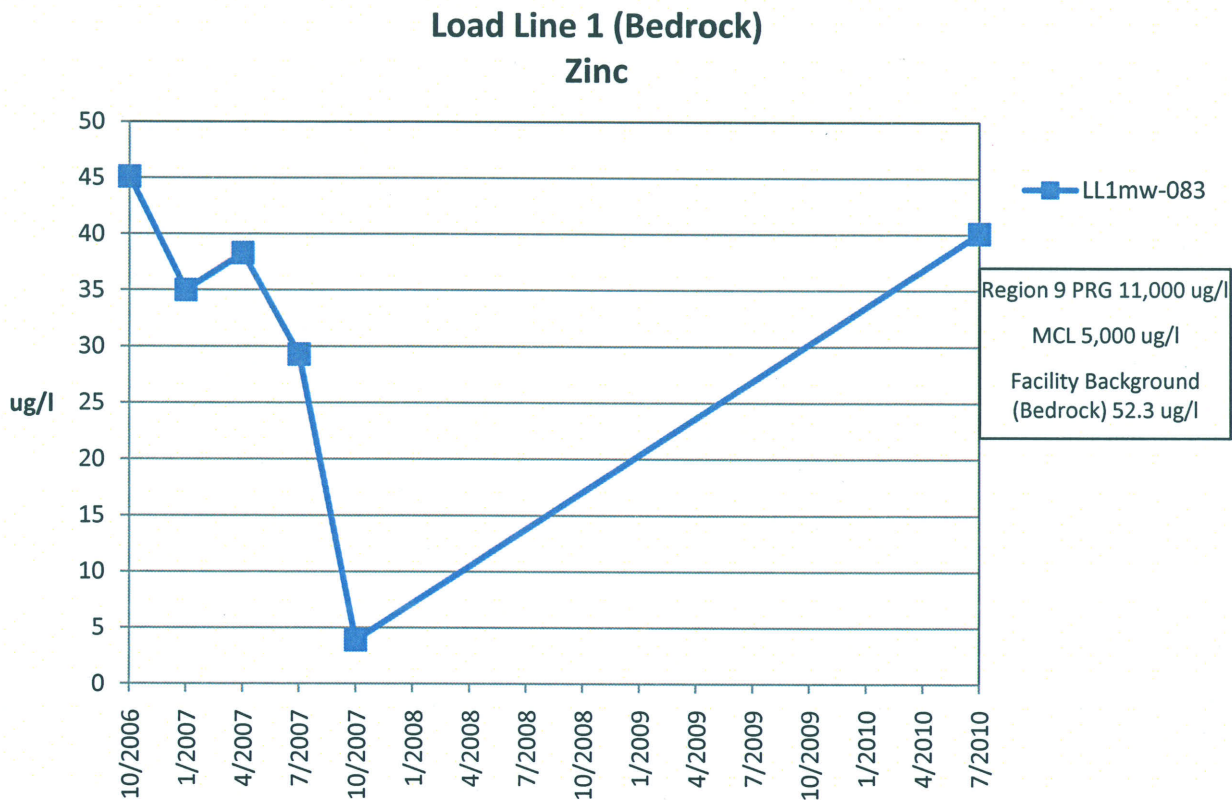


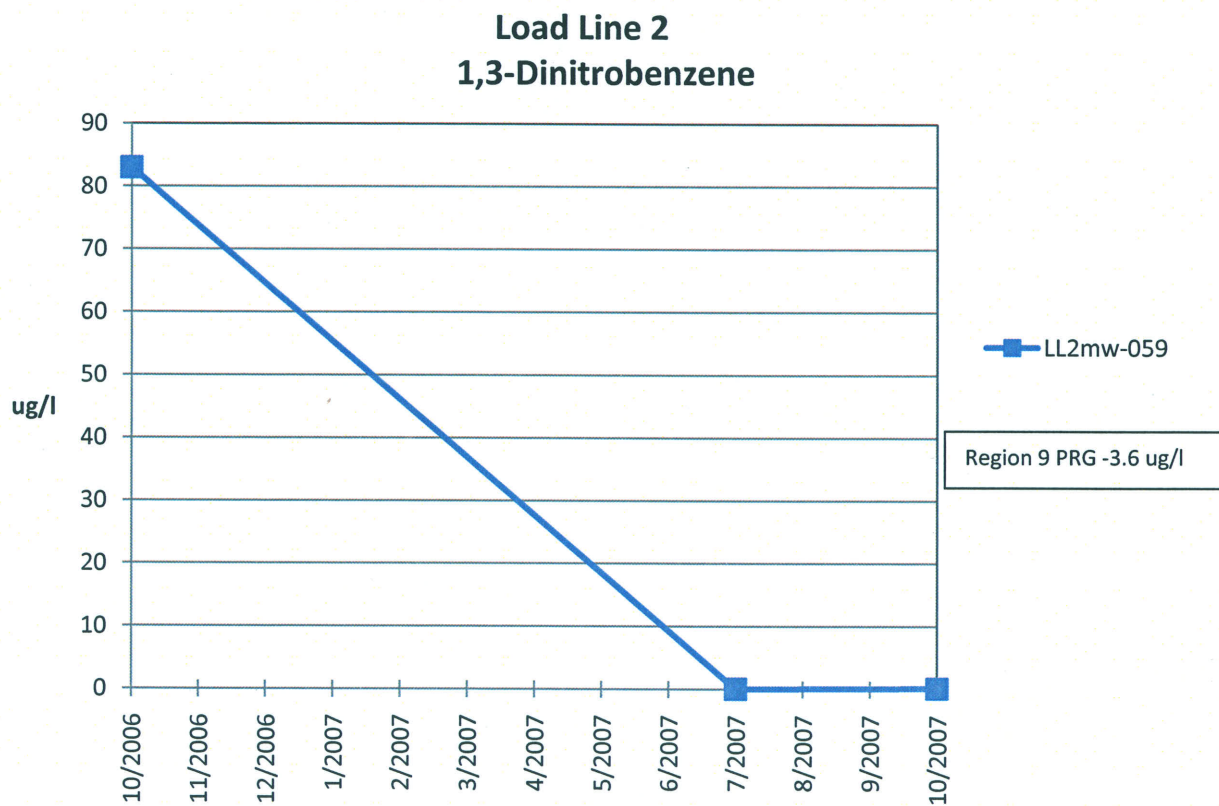
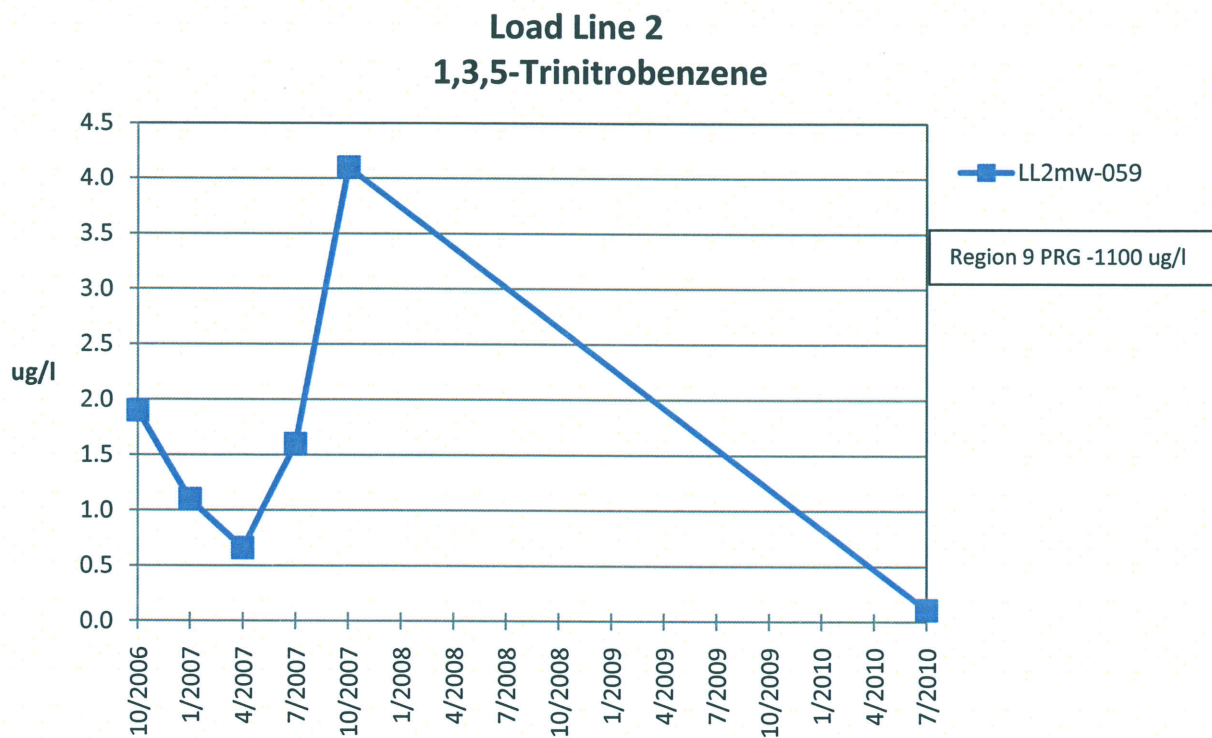
Load Line 1 RDX



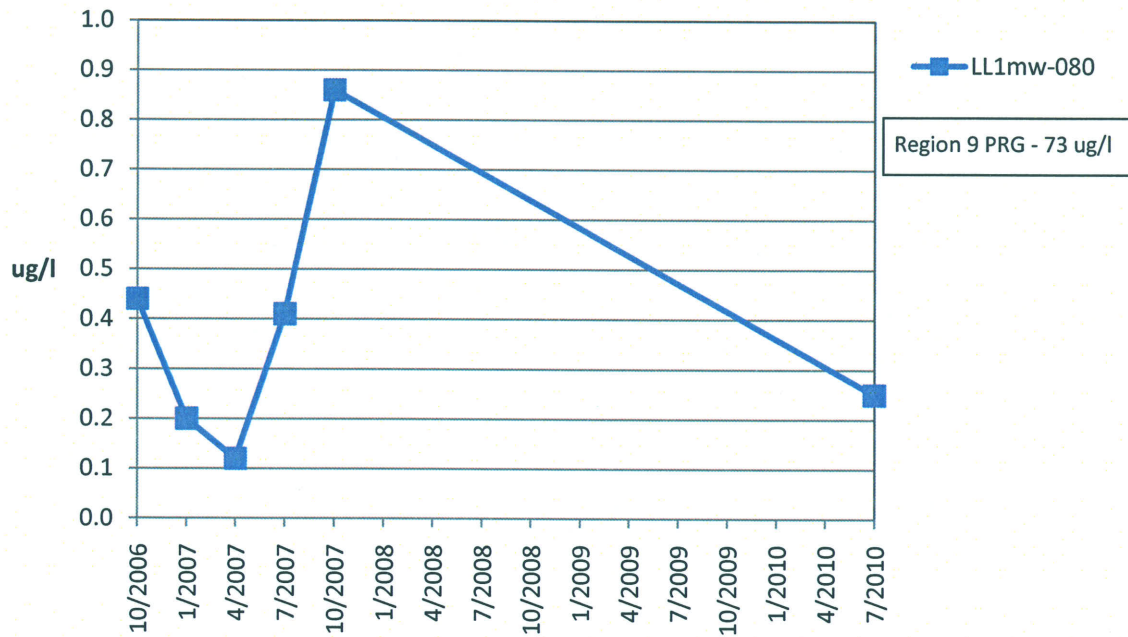
Load Line 1 Thallium



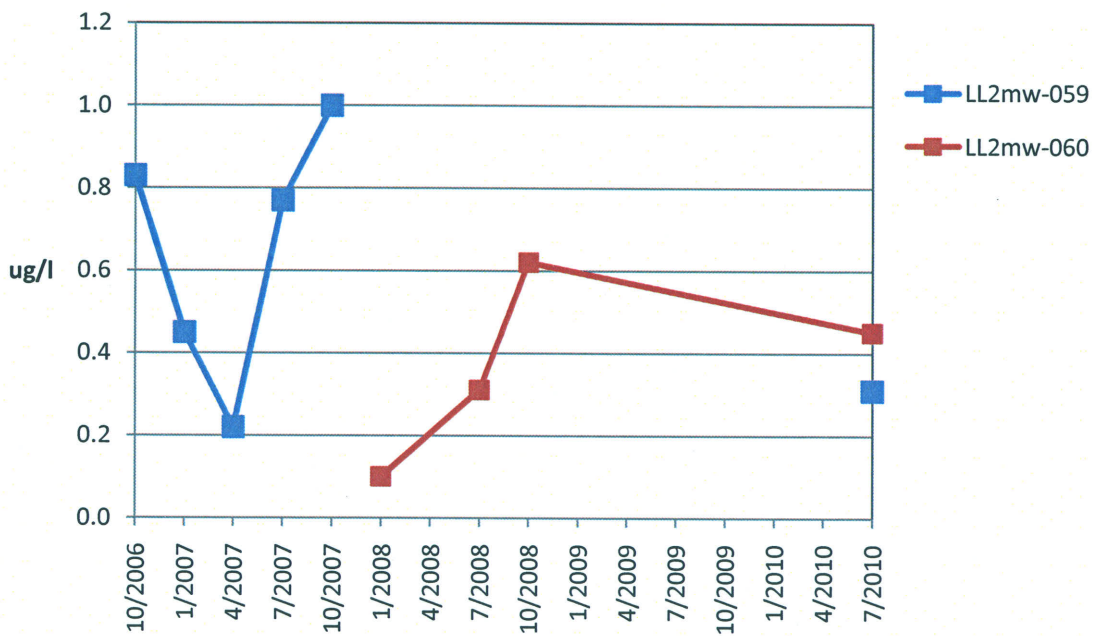




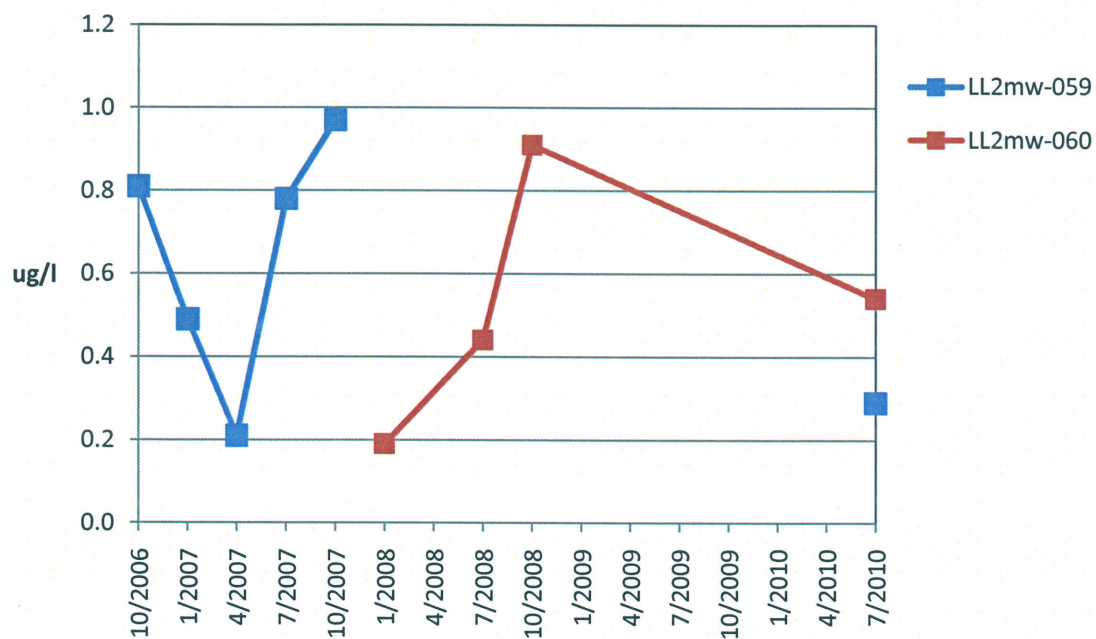
Load Line 2 2,4-Dinitrotoluene



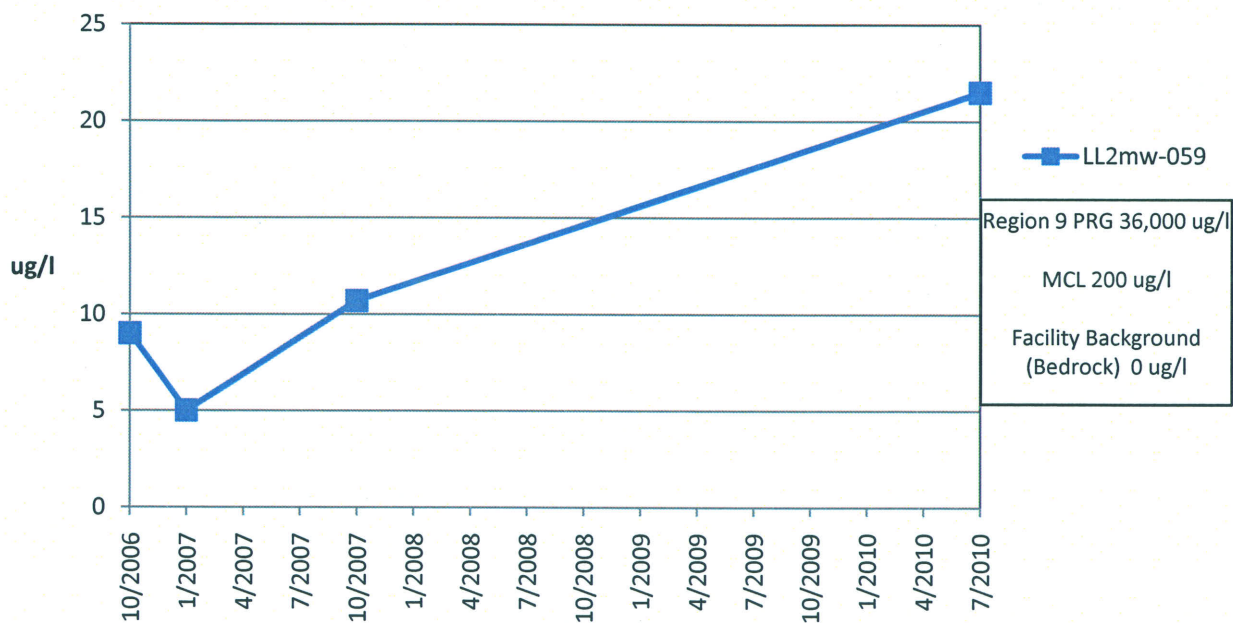
Load Line 2 2-Amino-4,6-dinitrotoluene



Load Line 2 4-Amino 2,6-dinitrotoluene



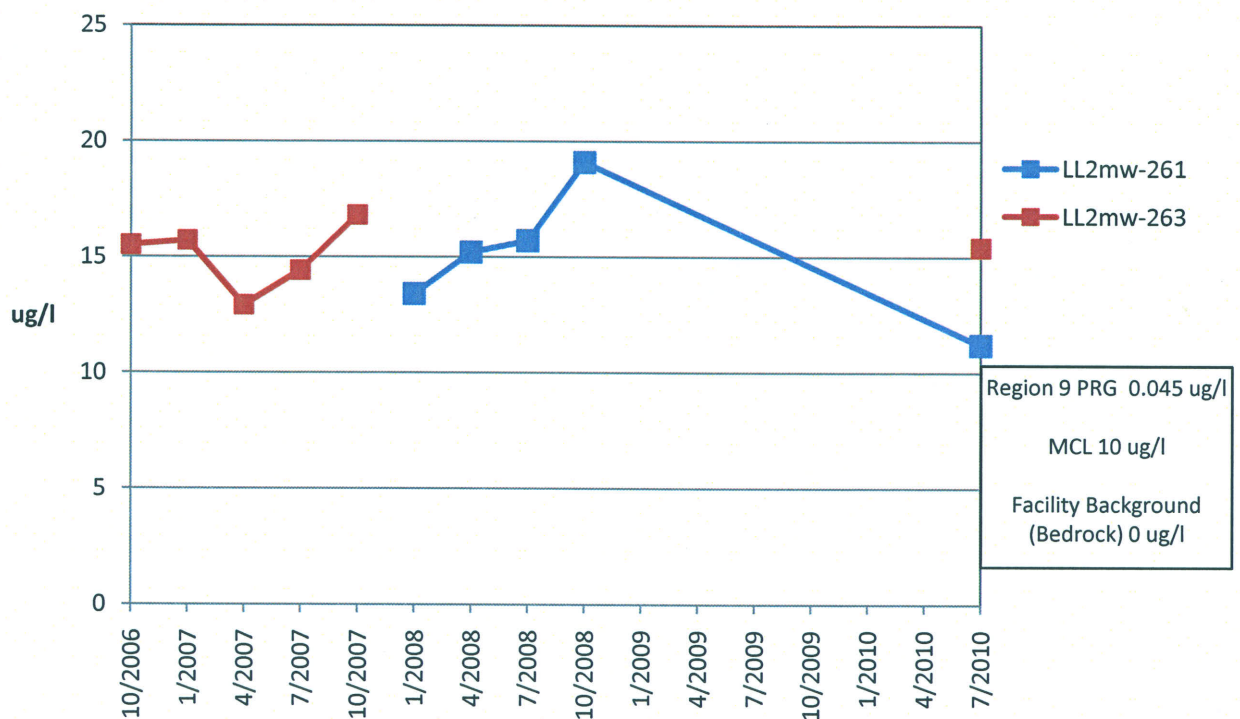
Load Line 2 Aluminum

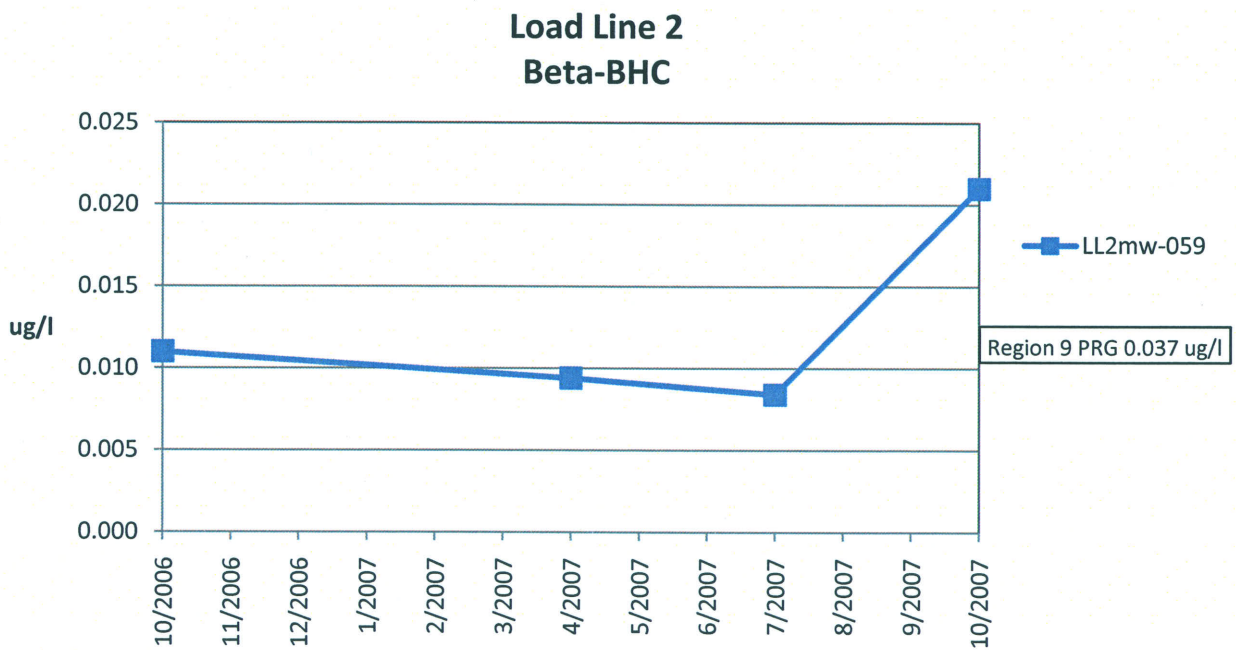
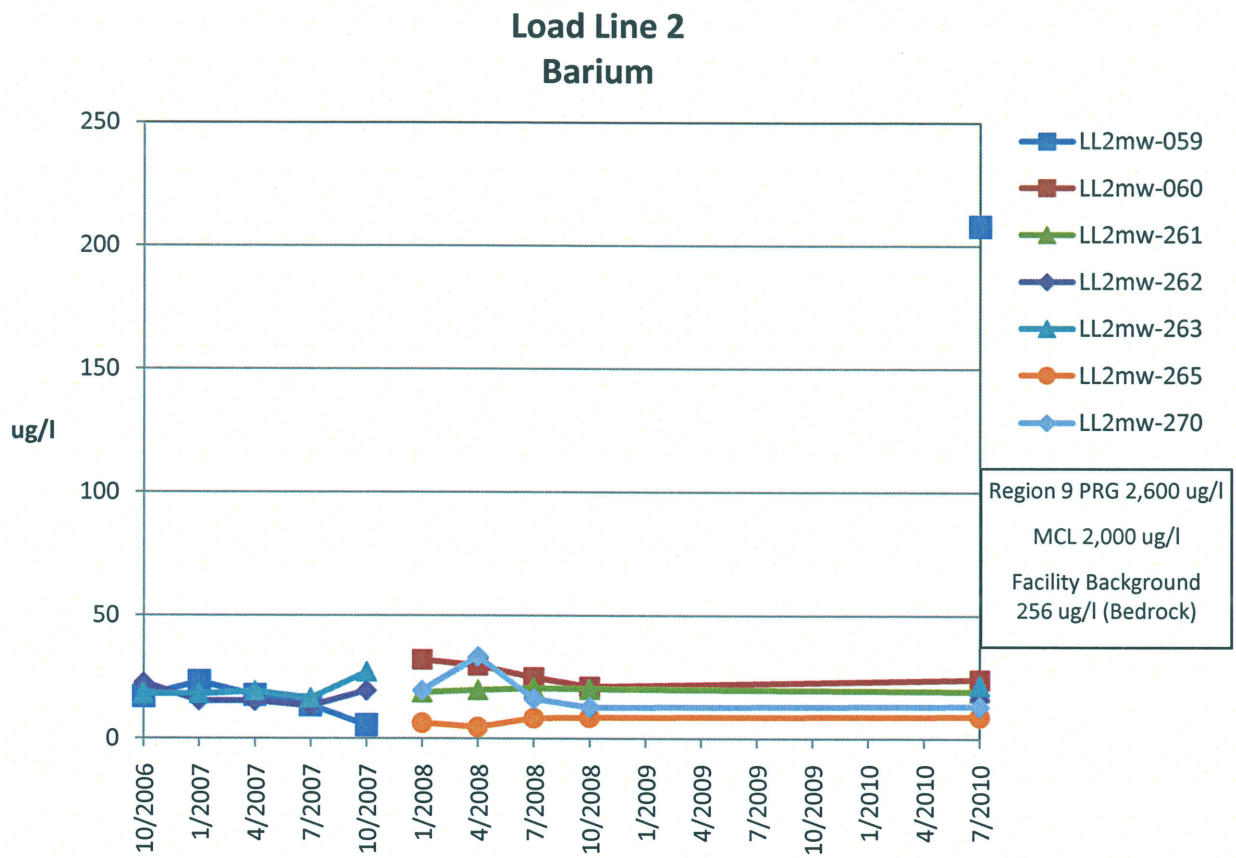


Load Line 2 Antimony

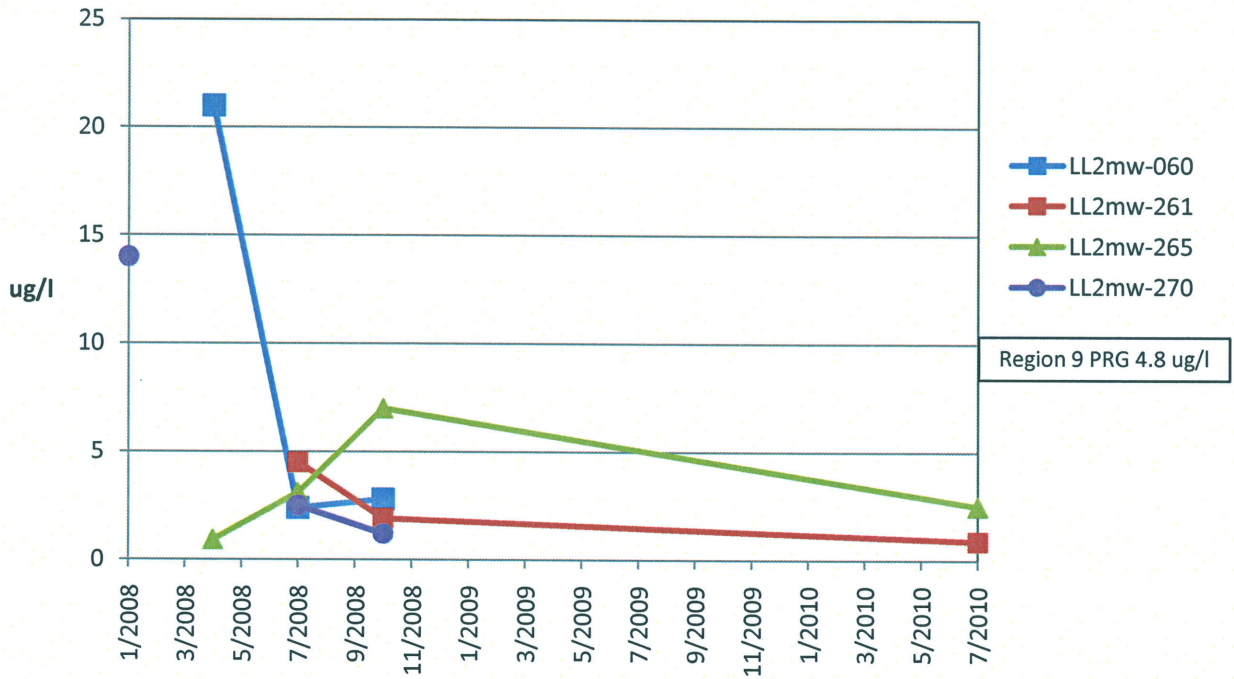


Load Line 2 Arsenic

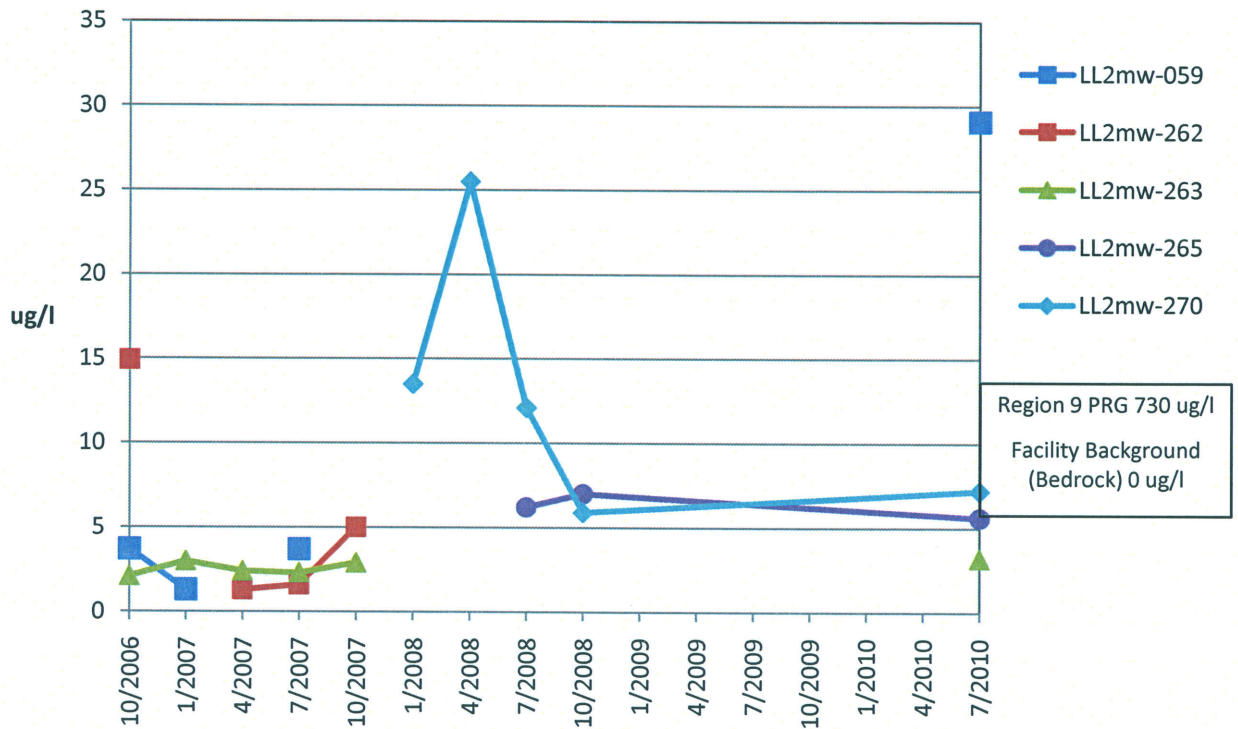


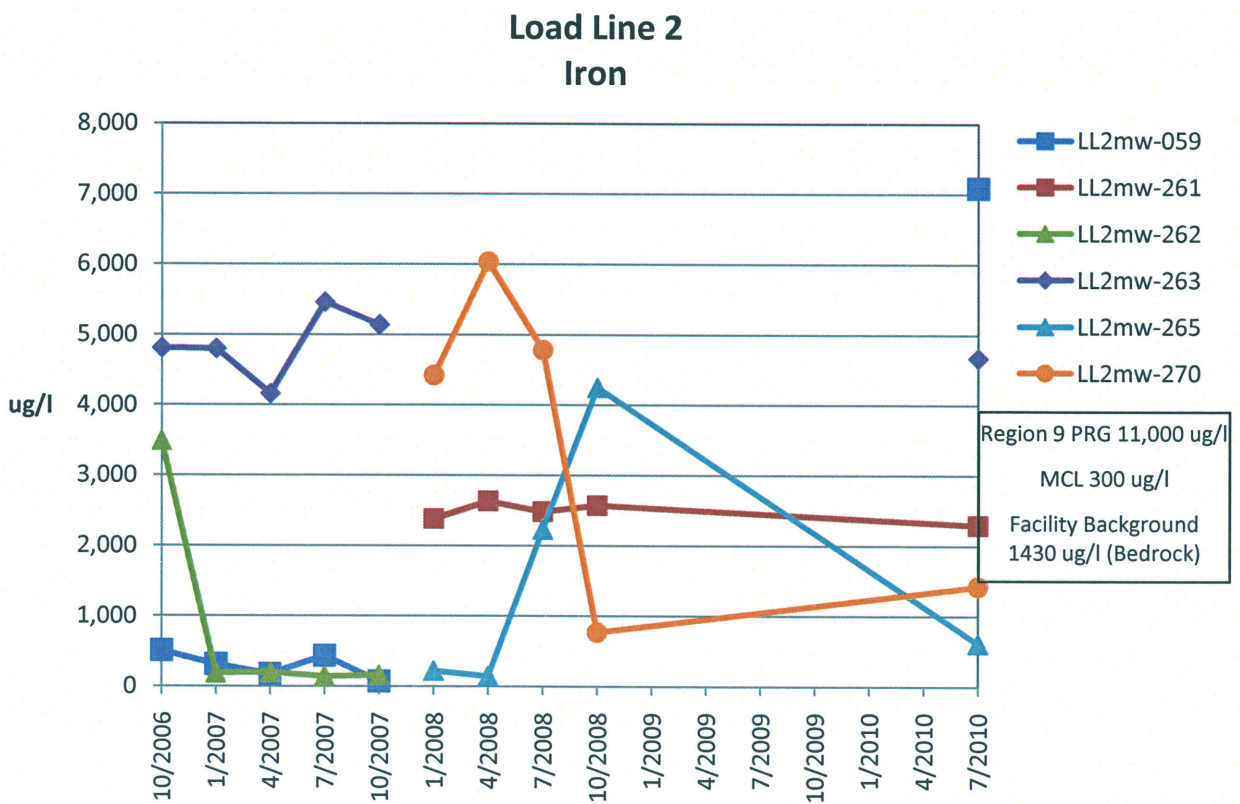
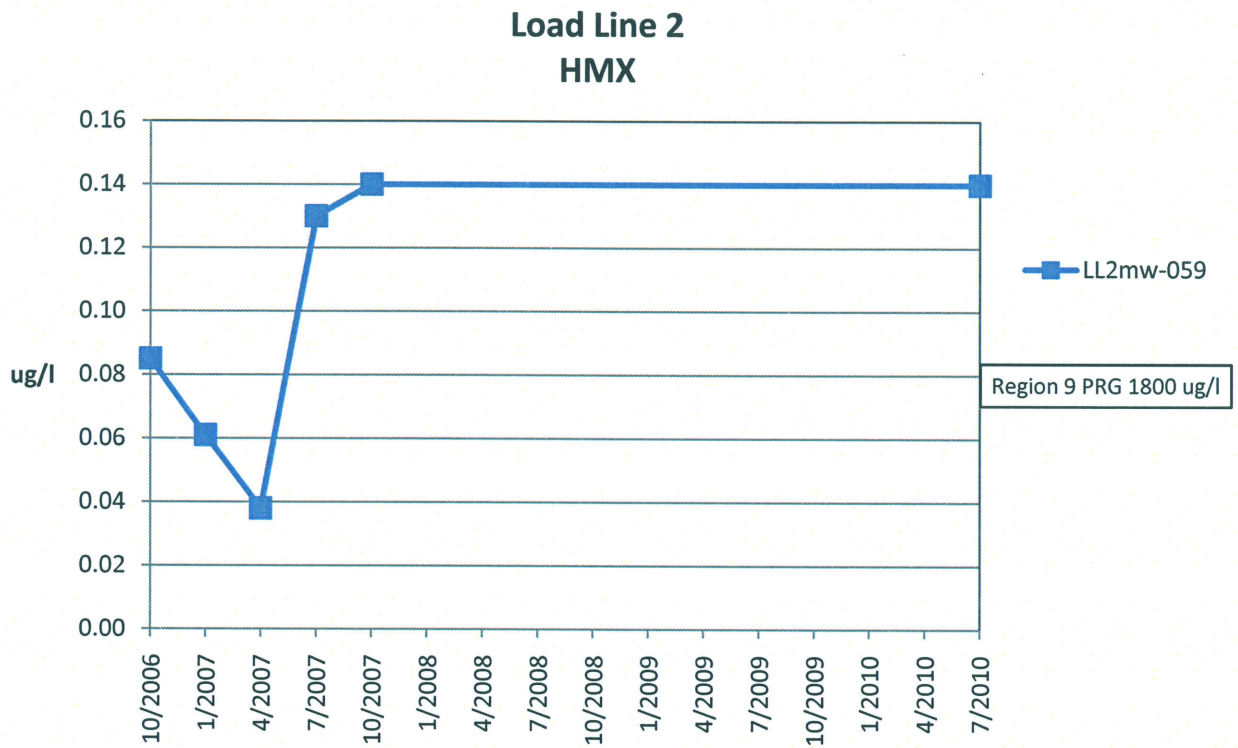


Load Line 2 Bis-(2-ethylhexyl) phthalate

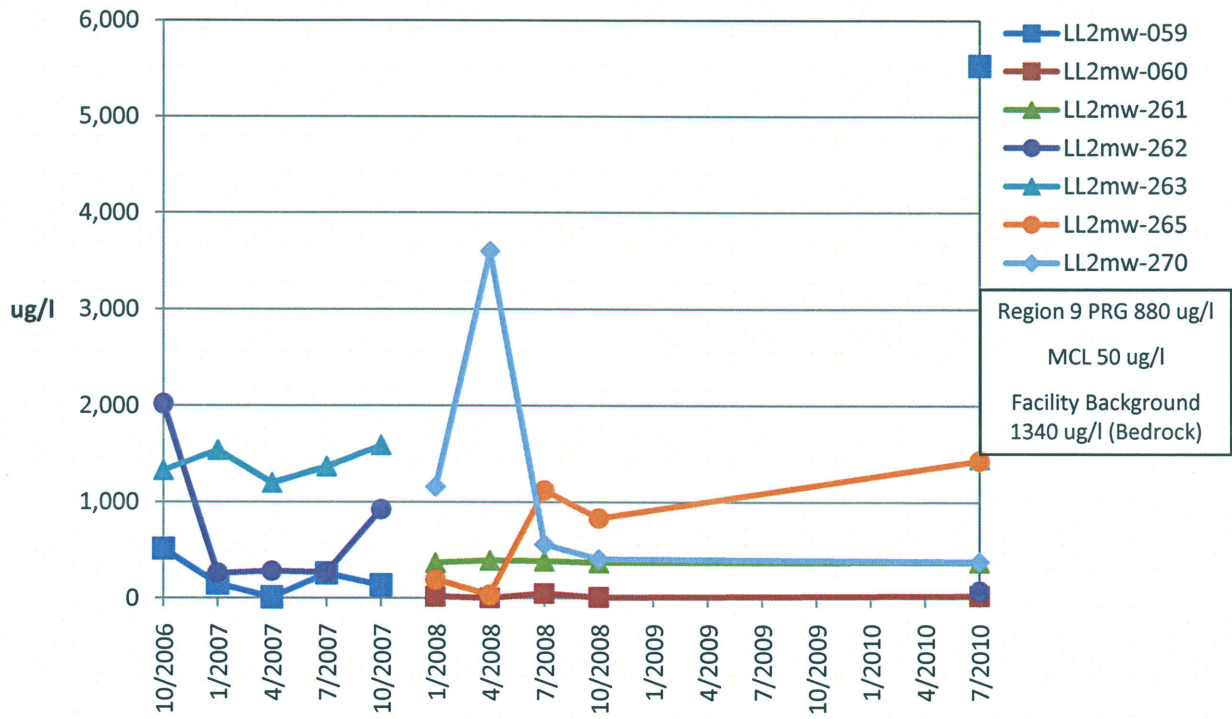


Load Line 2 Cobalt

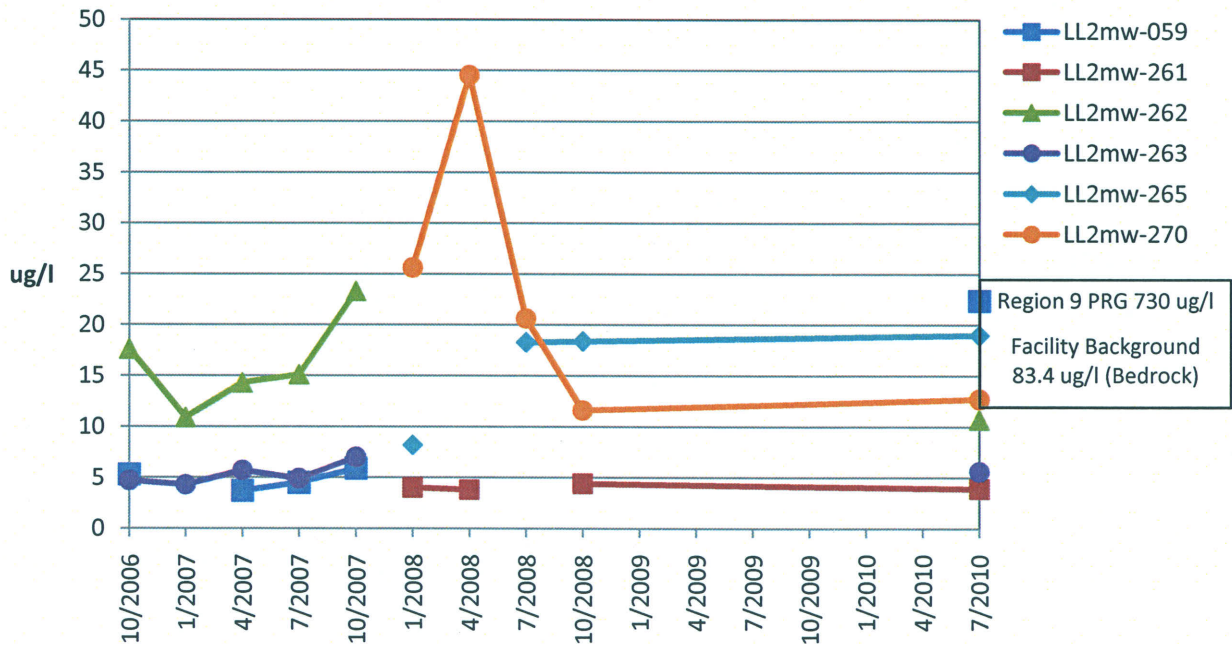




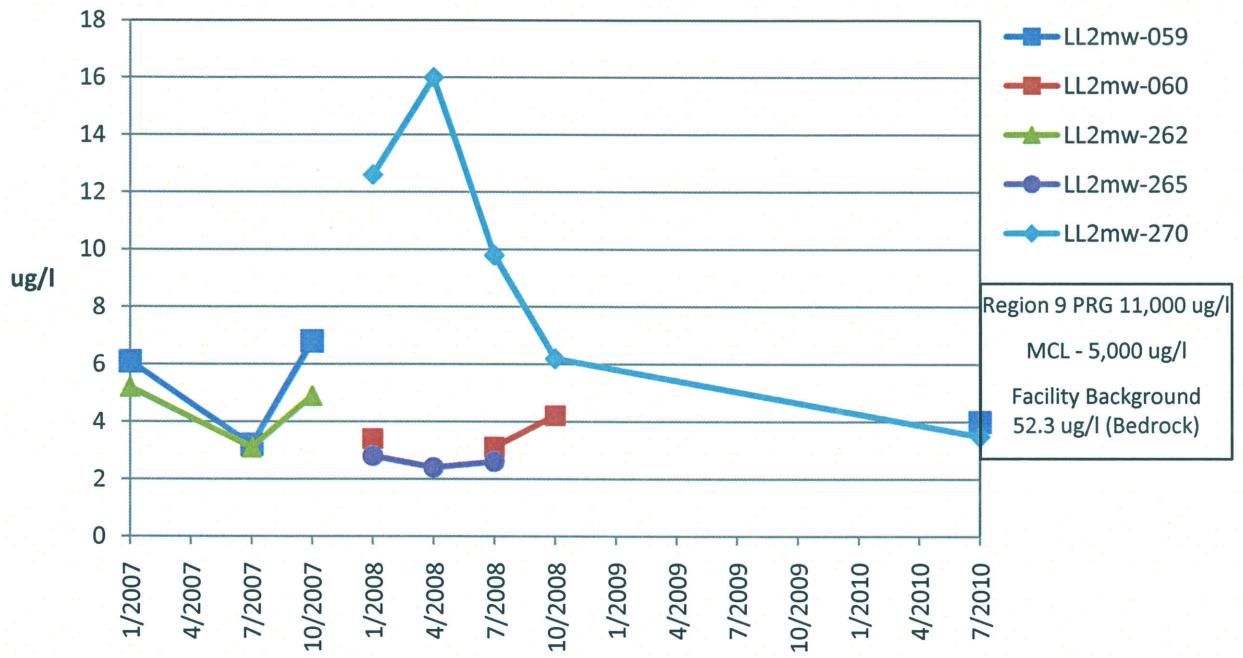
Load Line 2 Manganese



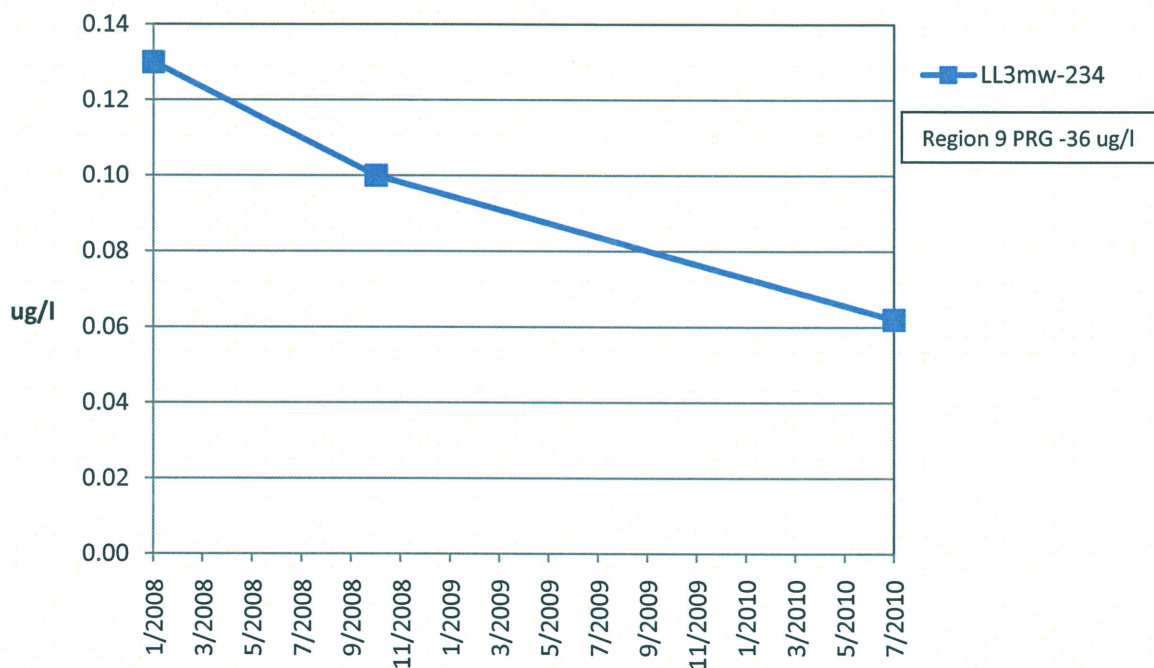
Load Line 2 Nickel



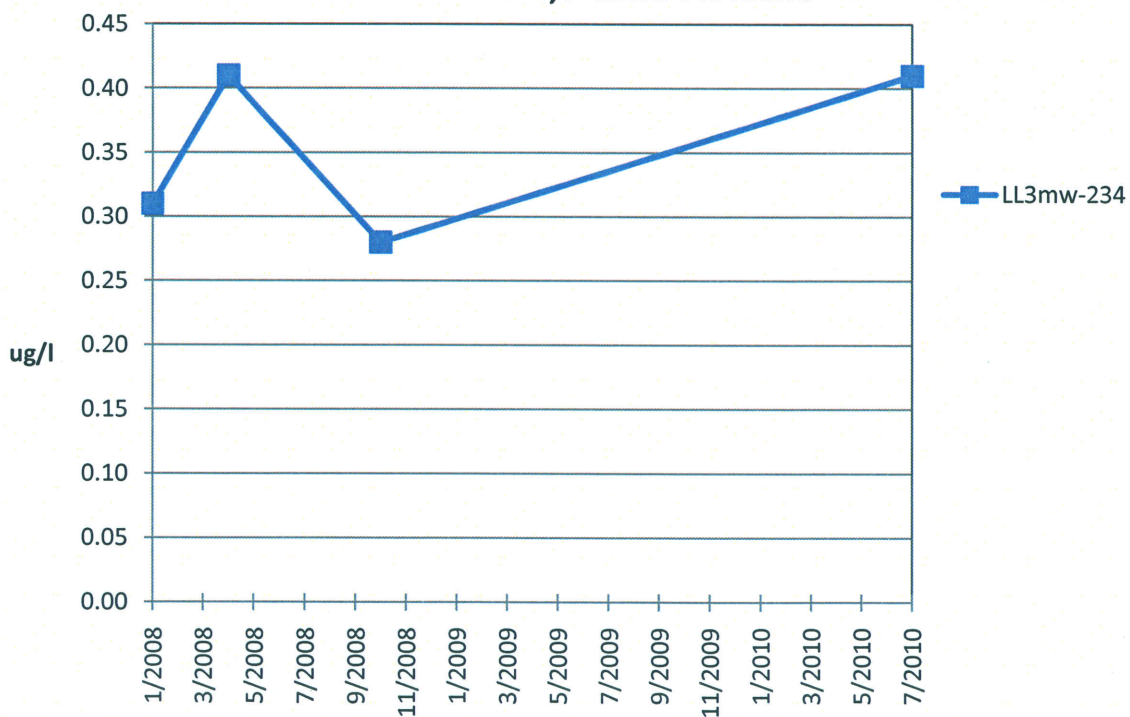
Load Line 2 Zinc



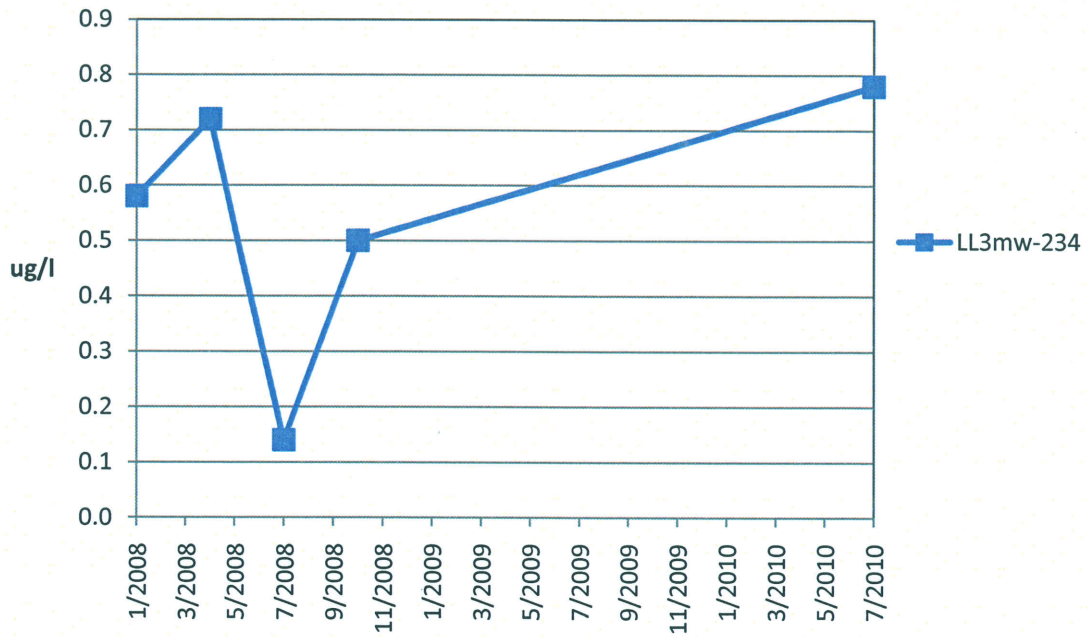
Load Line 3 2,6-Dinitrotoluene



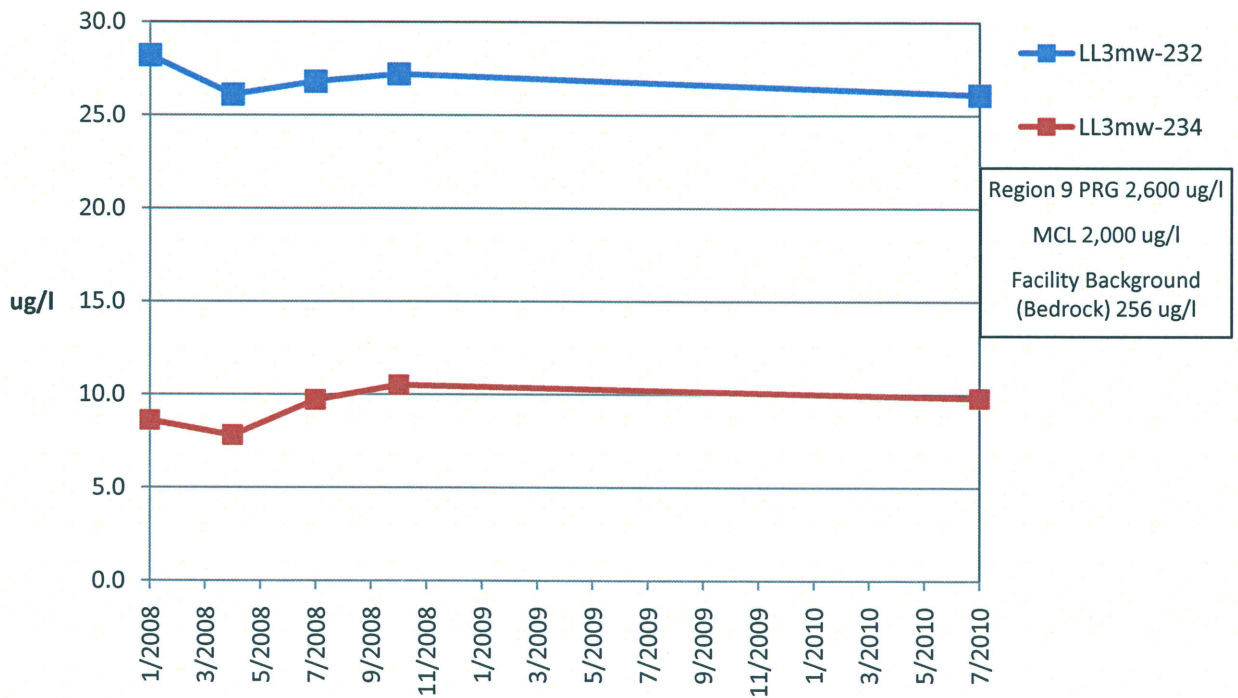
Load Line 3 2-Amino 4,6-dinitrotoluene



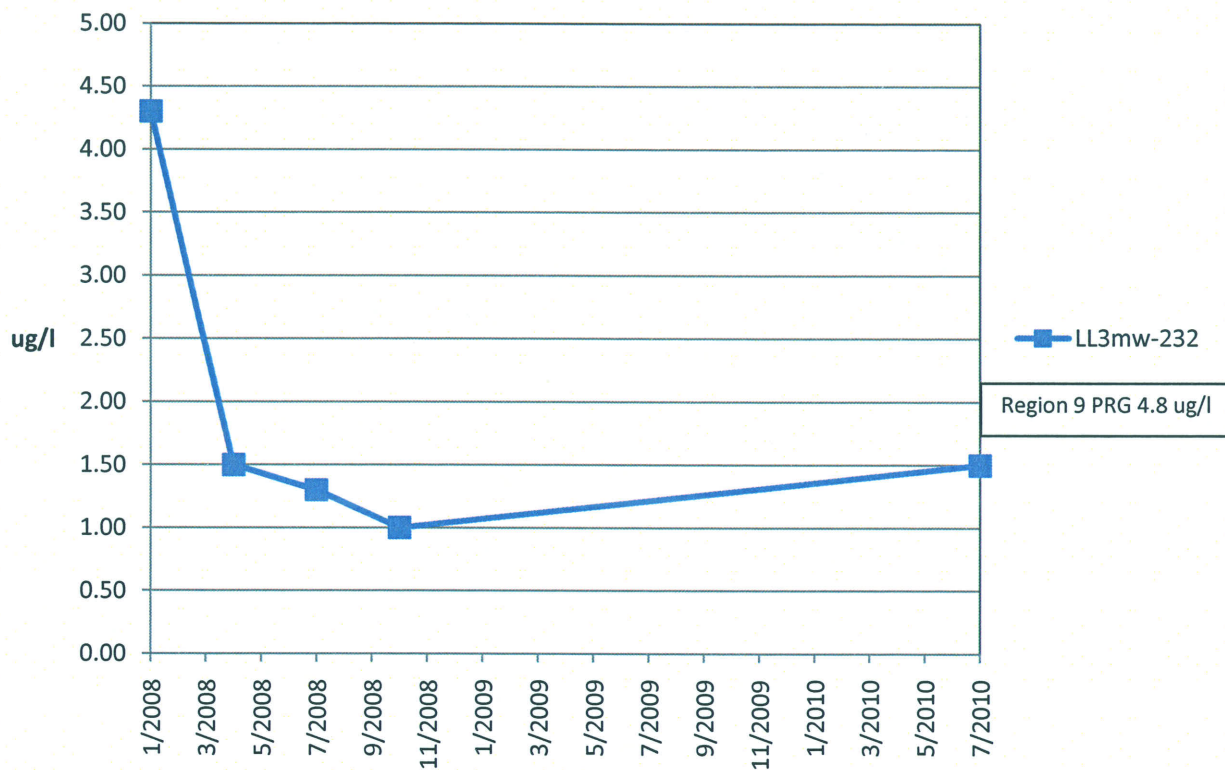
Load Line 3 4-Amino 2,6-dinitrotoluene



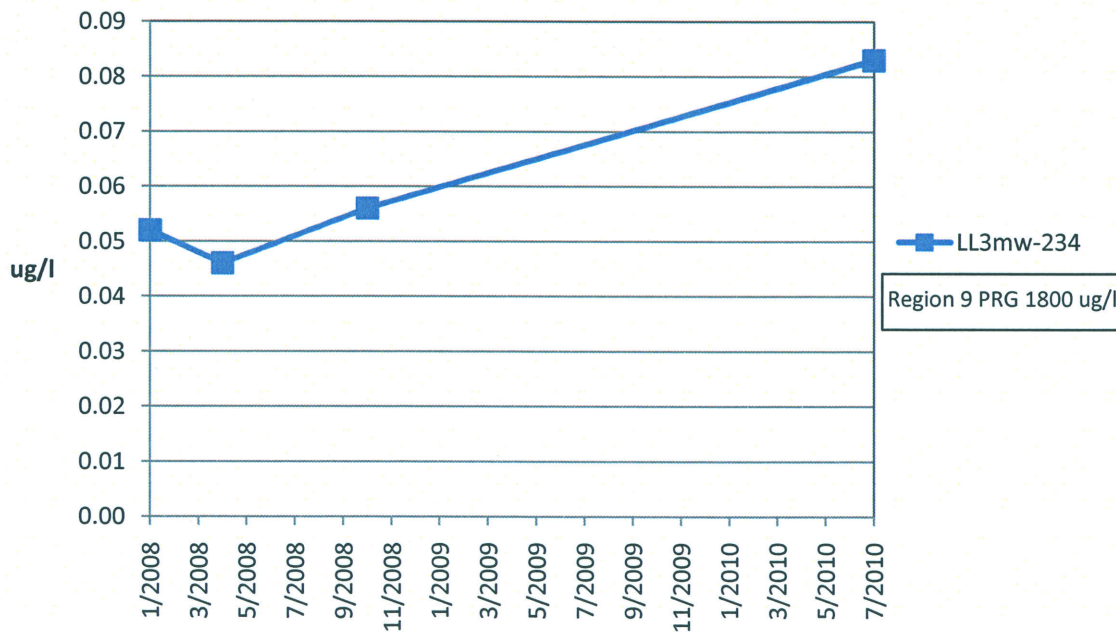
Load Line 3 Barium



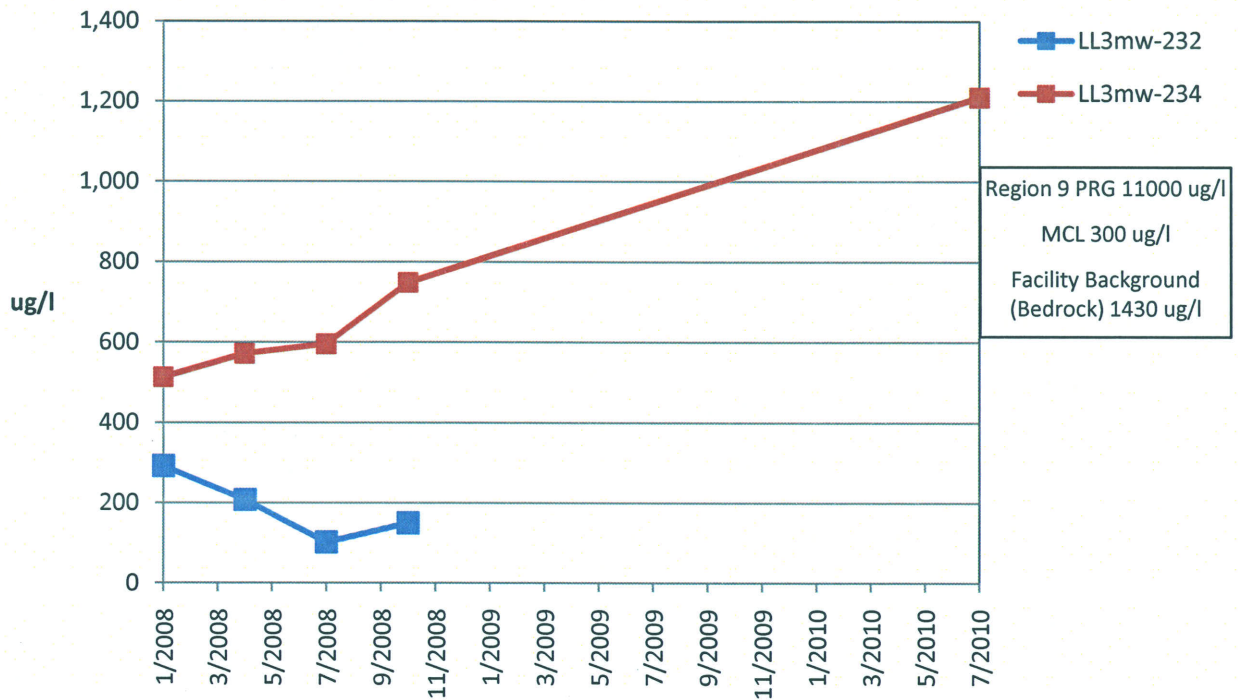
Load Line 3 Bis-(2-ethylhexyl) phthalate



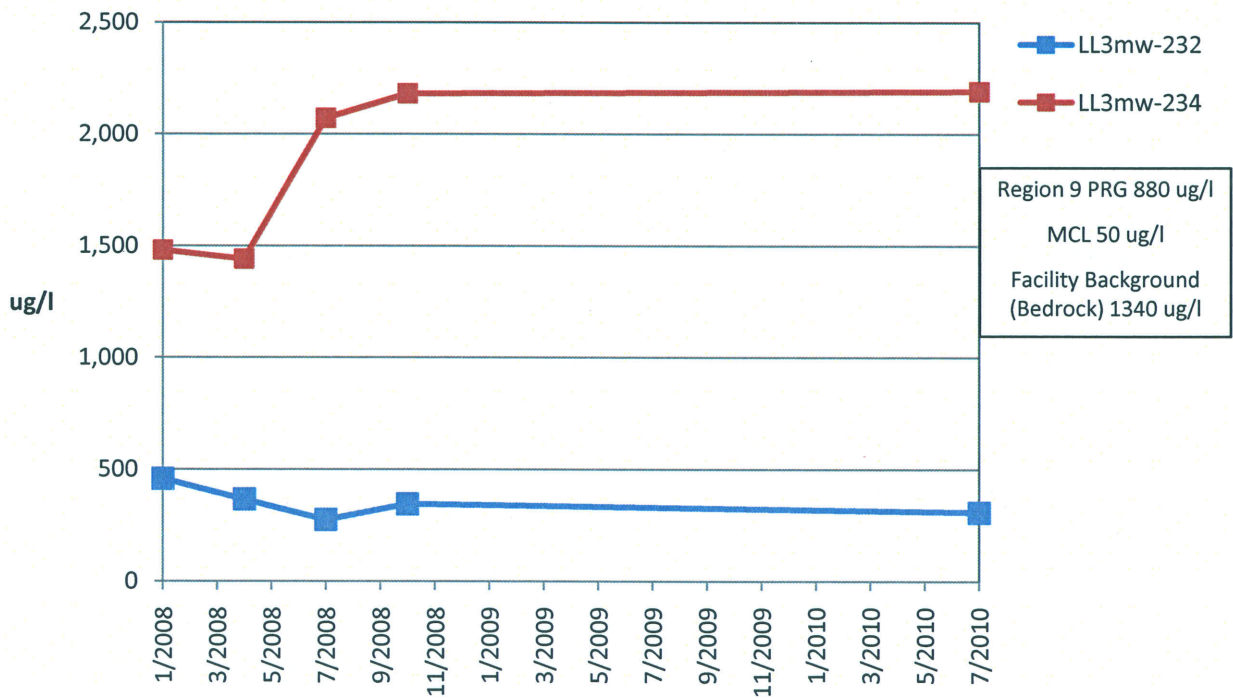
Load Line 3 HMX



Load Line 3 Iron



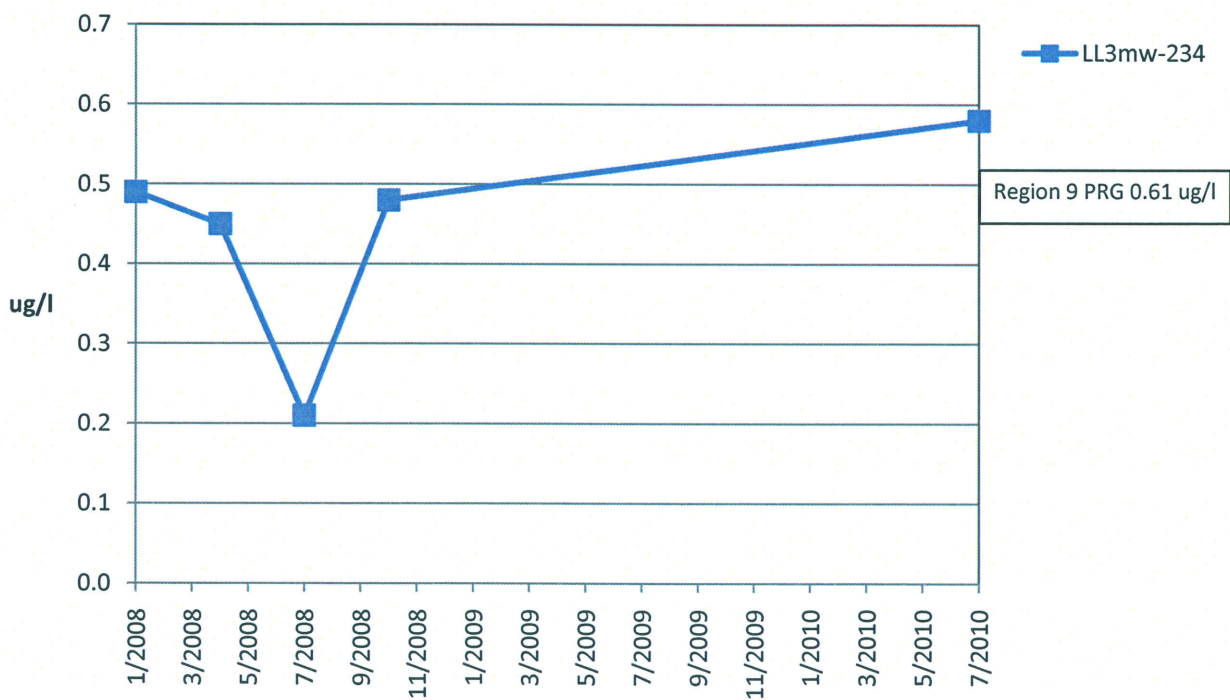
Load Line 3 Manganese



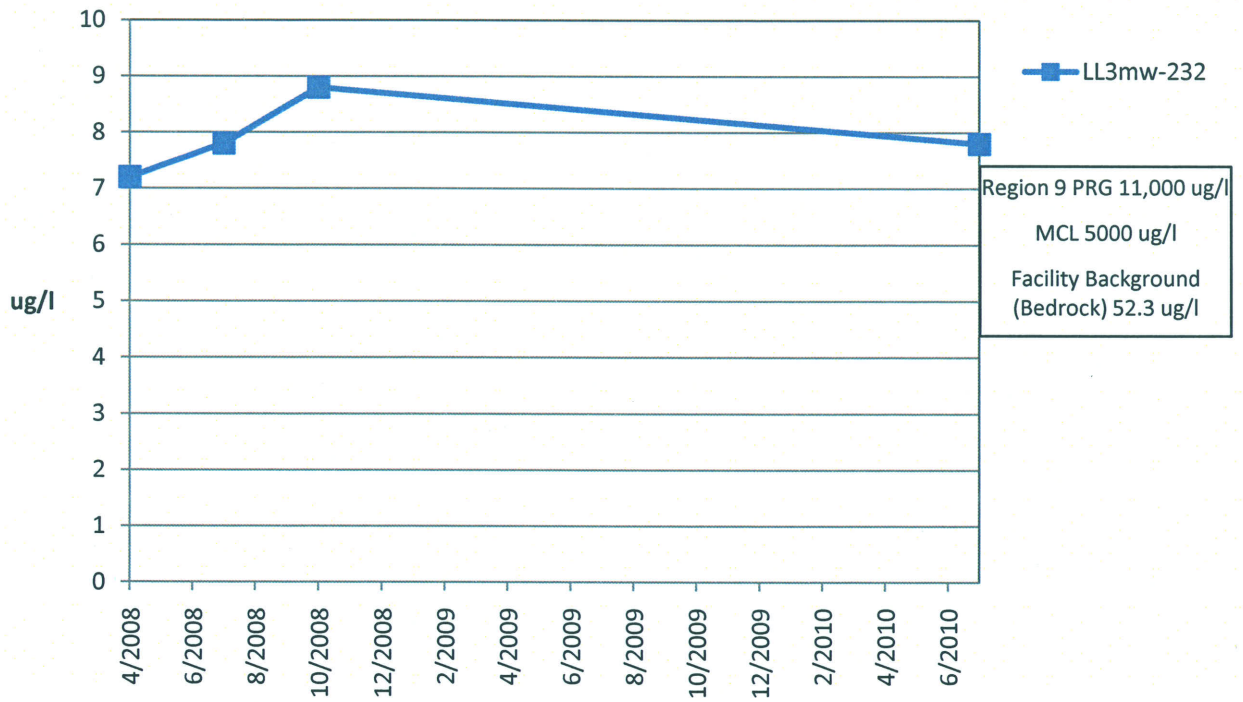
Load Line 3 Nickel



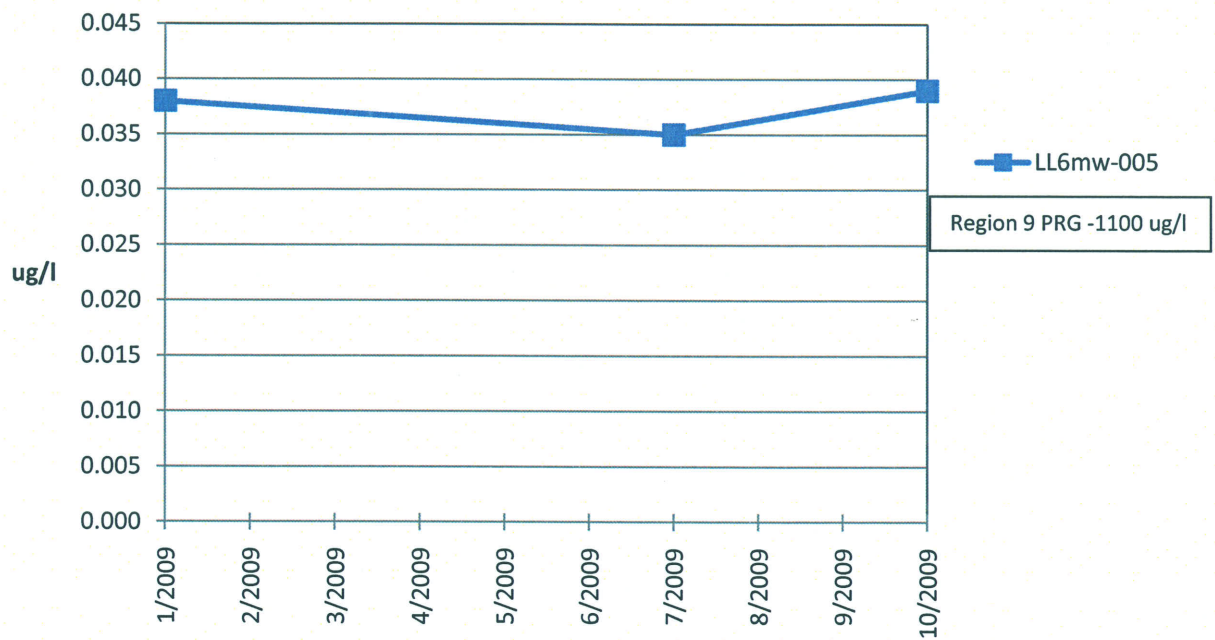
Load Line 3 RDX



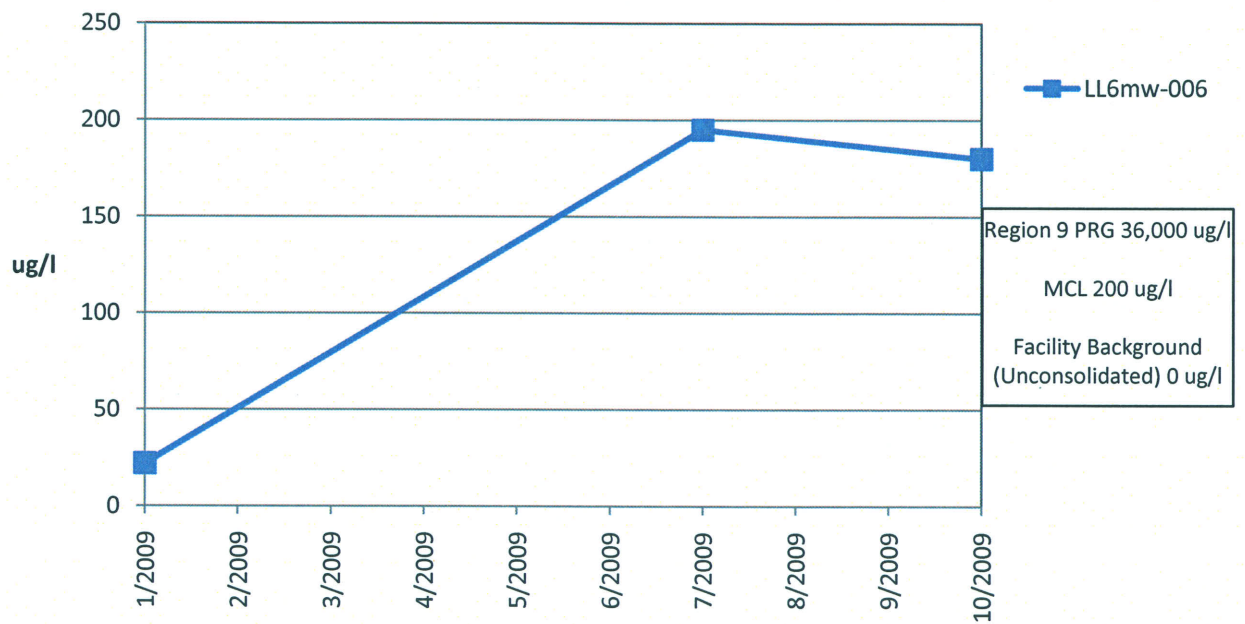
Load Line 3 Zinc



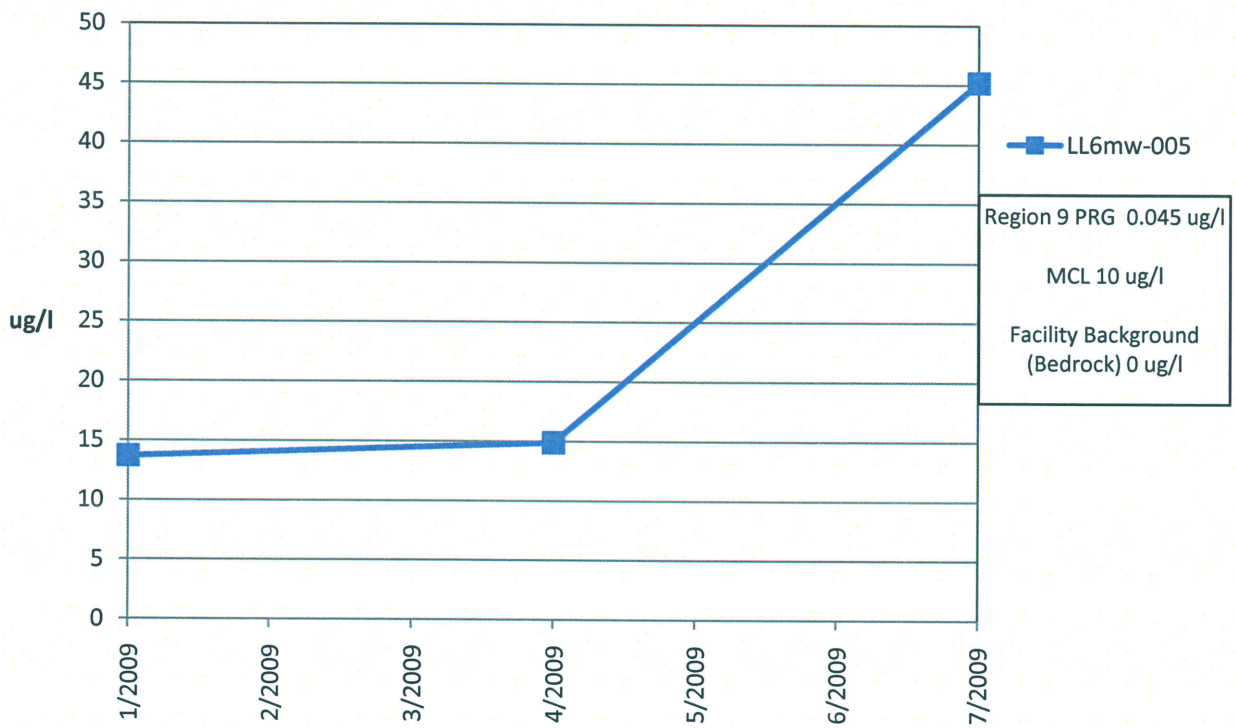
Load Line 6 1,3,5-Dichloroethane



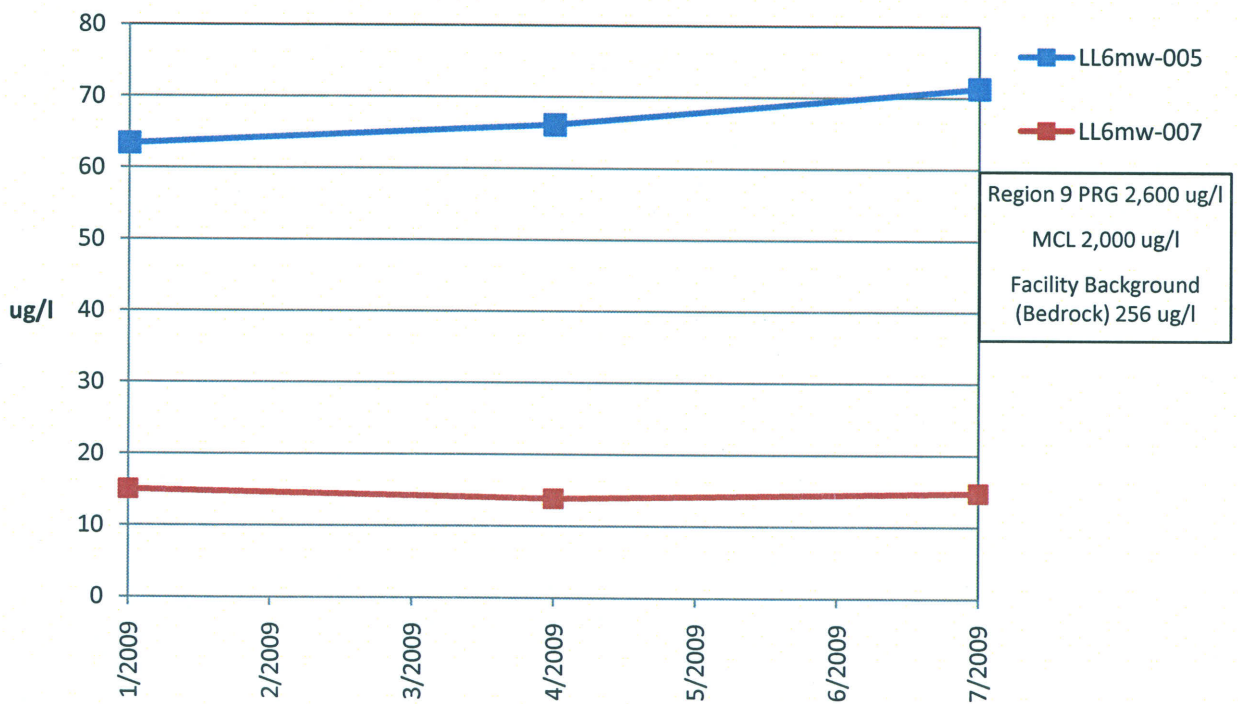
Load Line 6 Aluminum



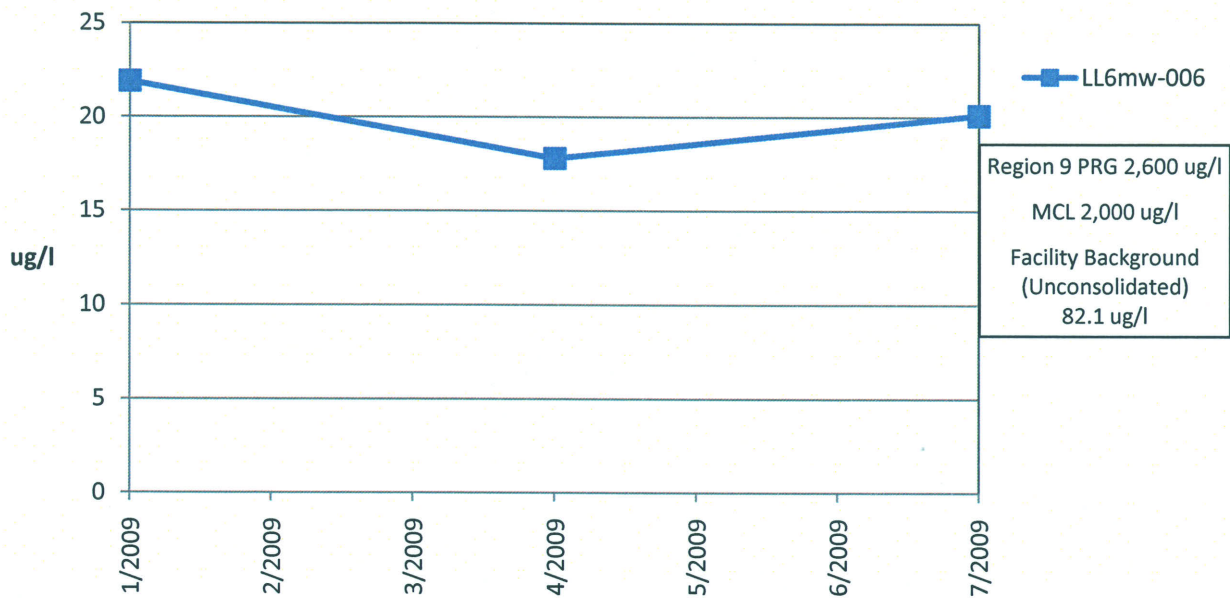
Load Line 6 Arsenic



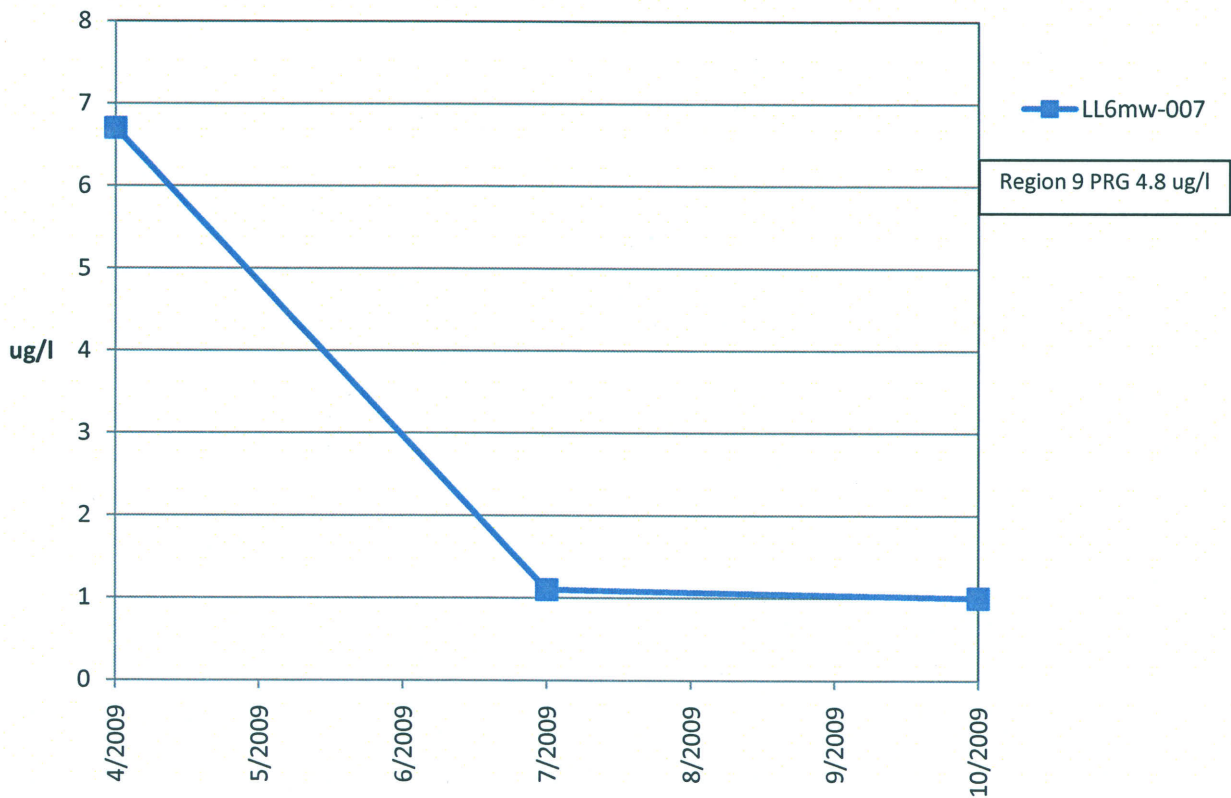
Load Line 6 (Bedrock) Barium

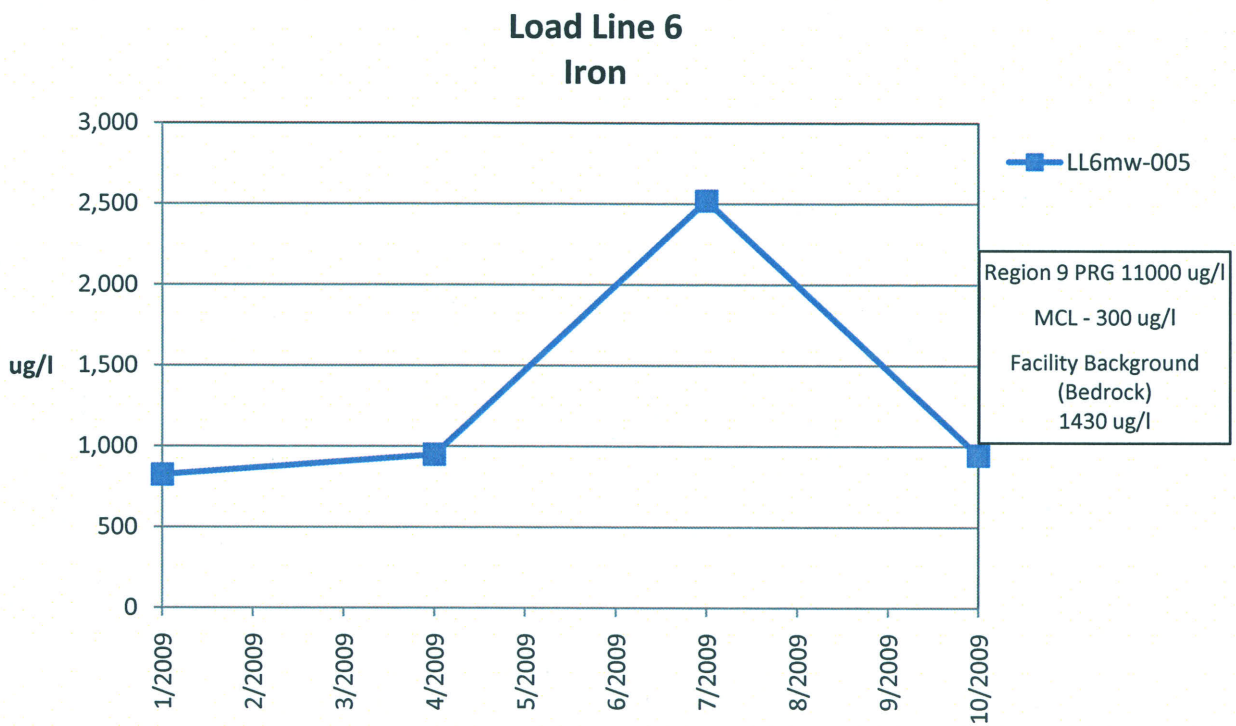
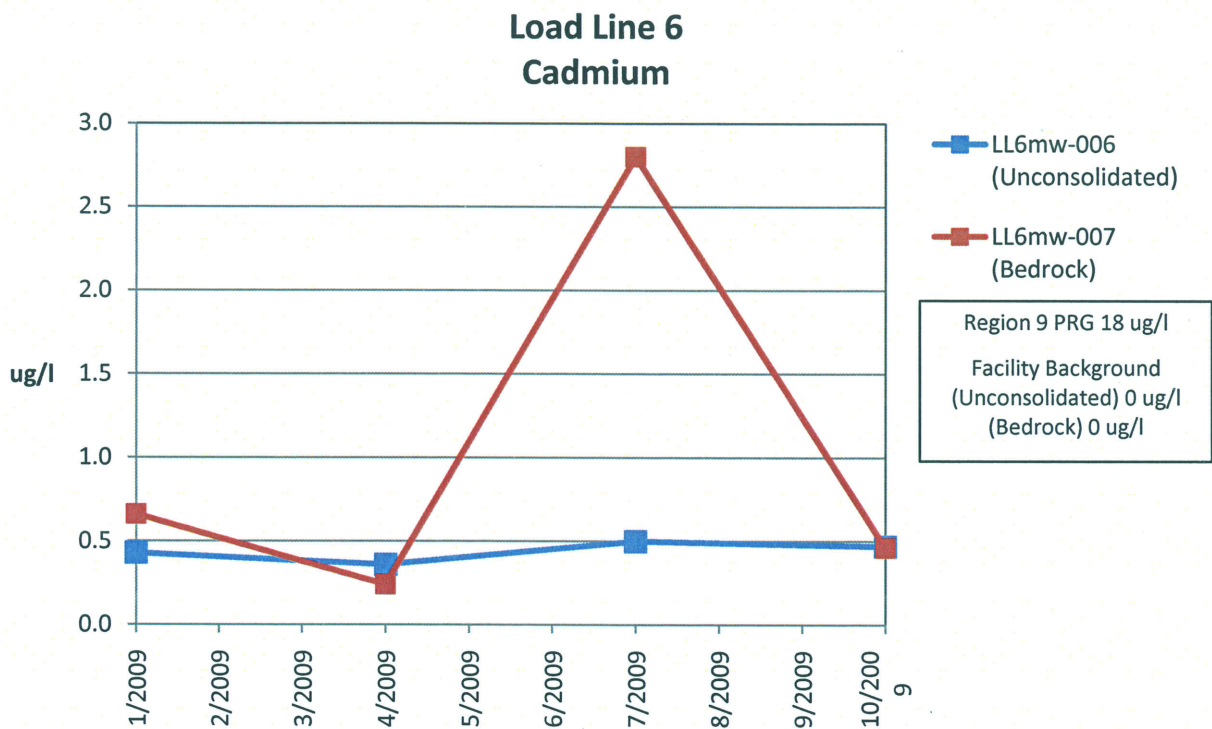


Load Line 6 (Unconsolidated) Barium

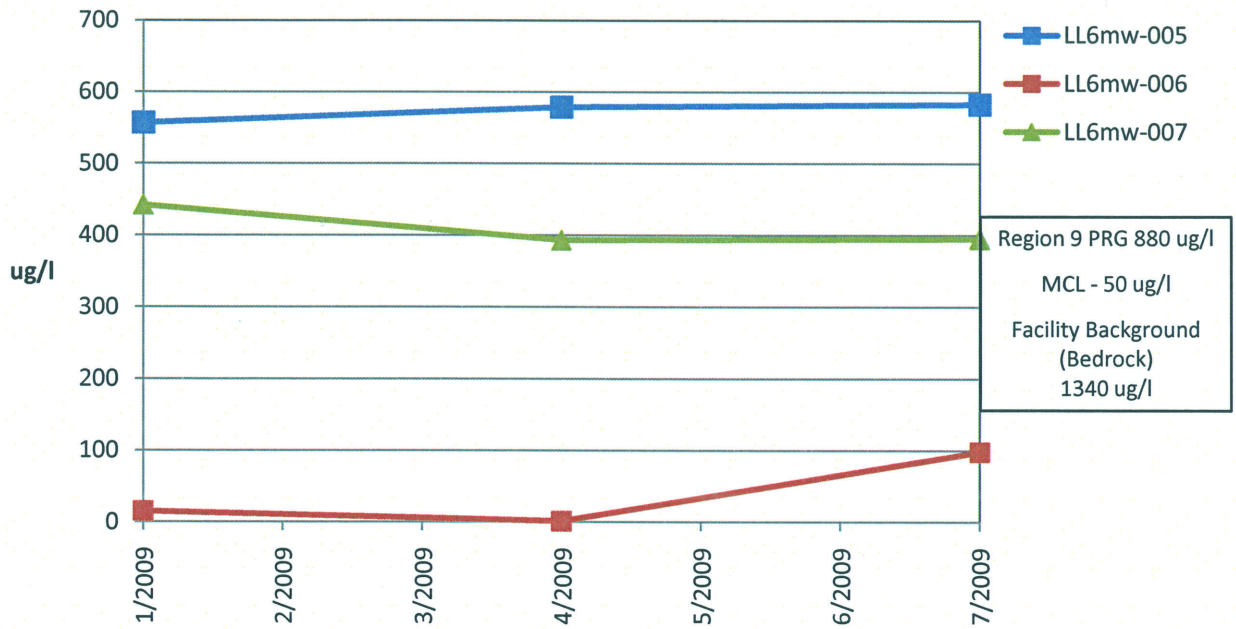


Load Line 6 Bis-(2-ethylhexyl) phthalate

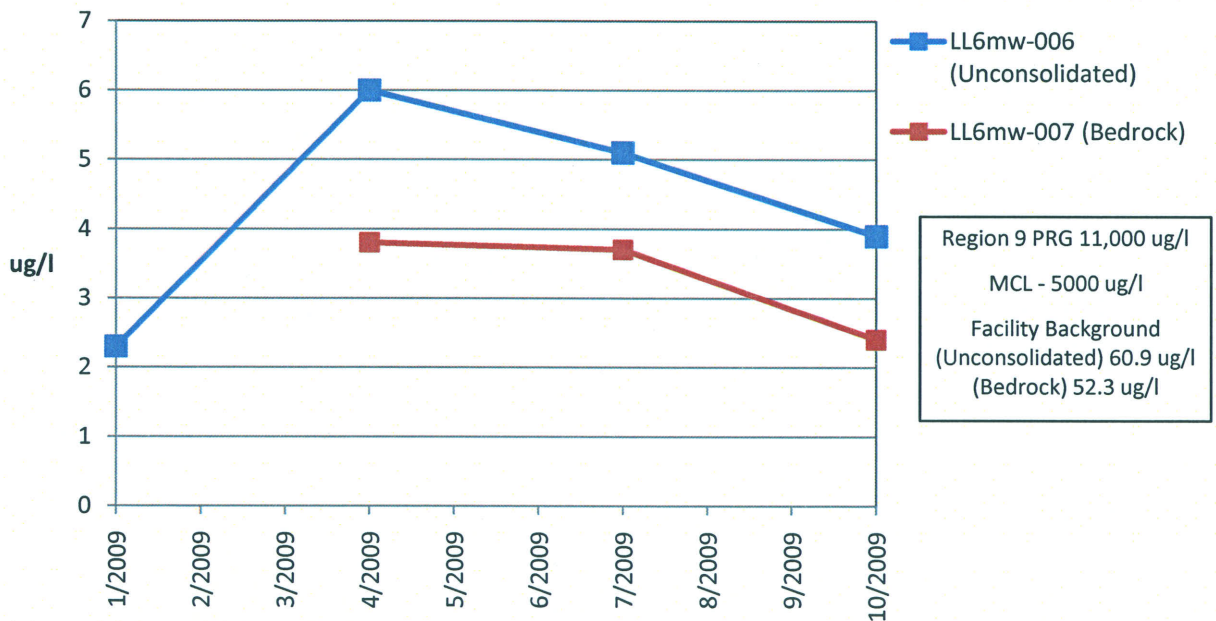




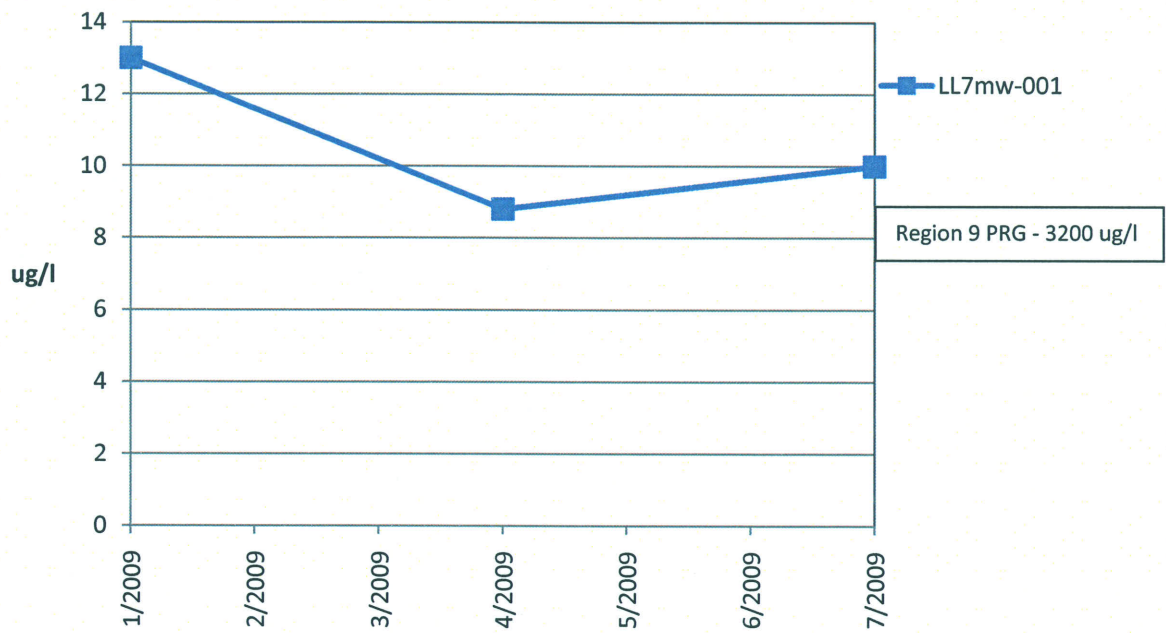
Load Line 6 Manganese



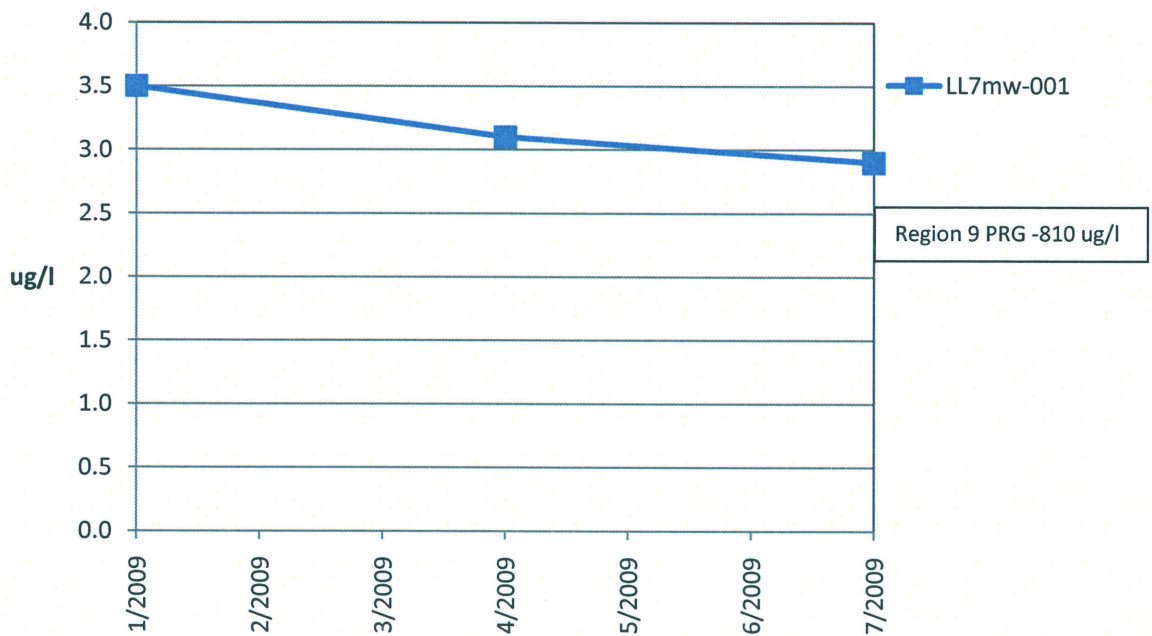
Load Line 6 Zinc



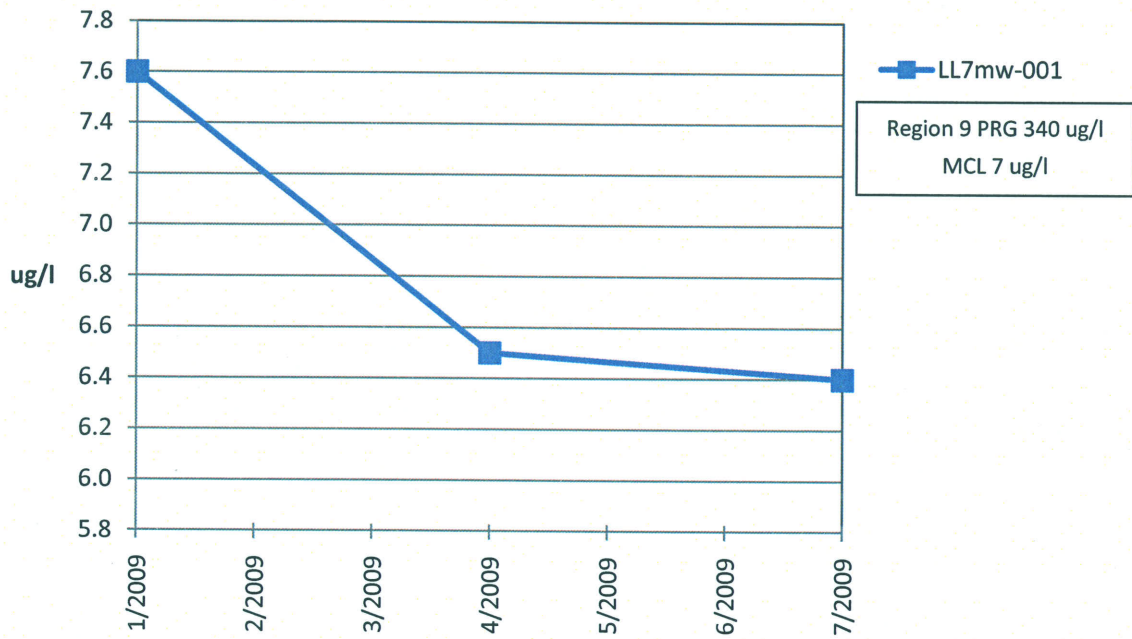
**Load Line 7
1,1,1-Trichloroethane**



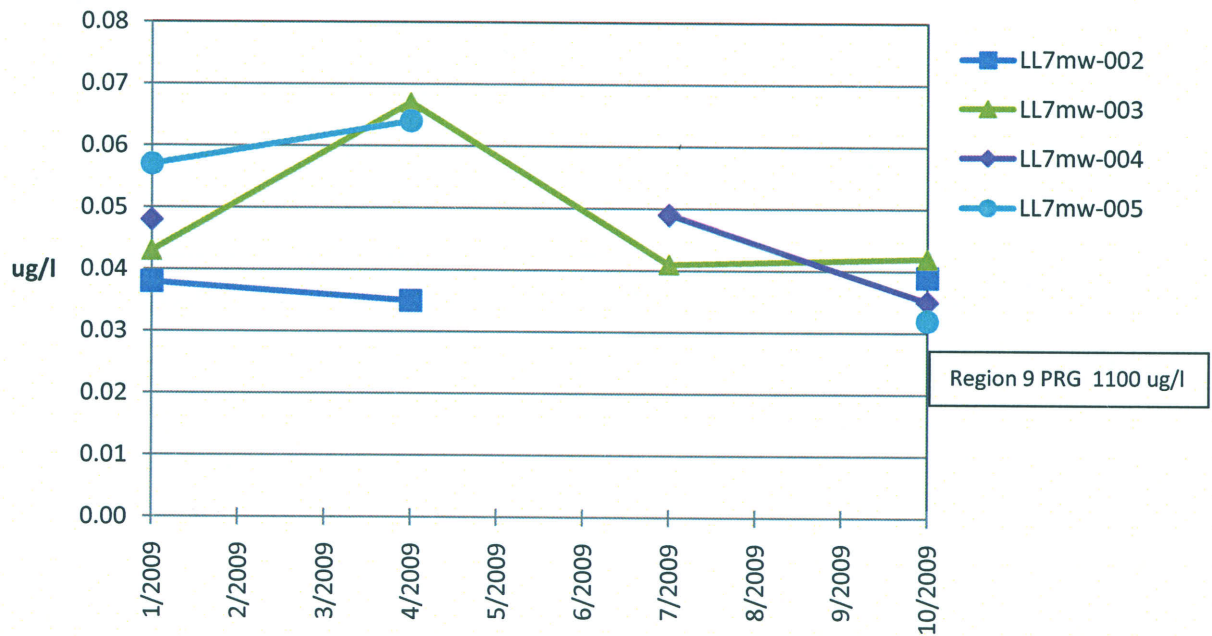
**Load Line 7
1,1-Dichloroethane**

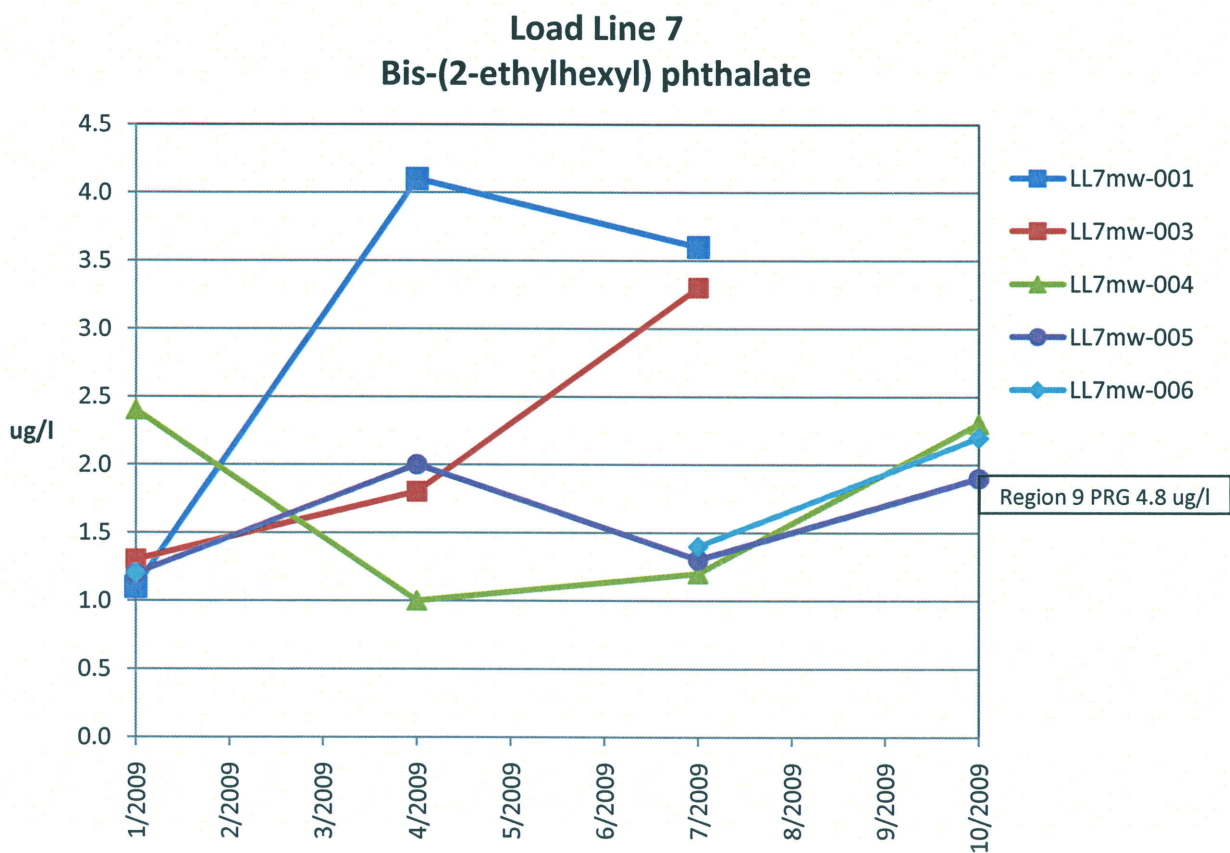
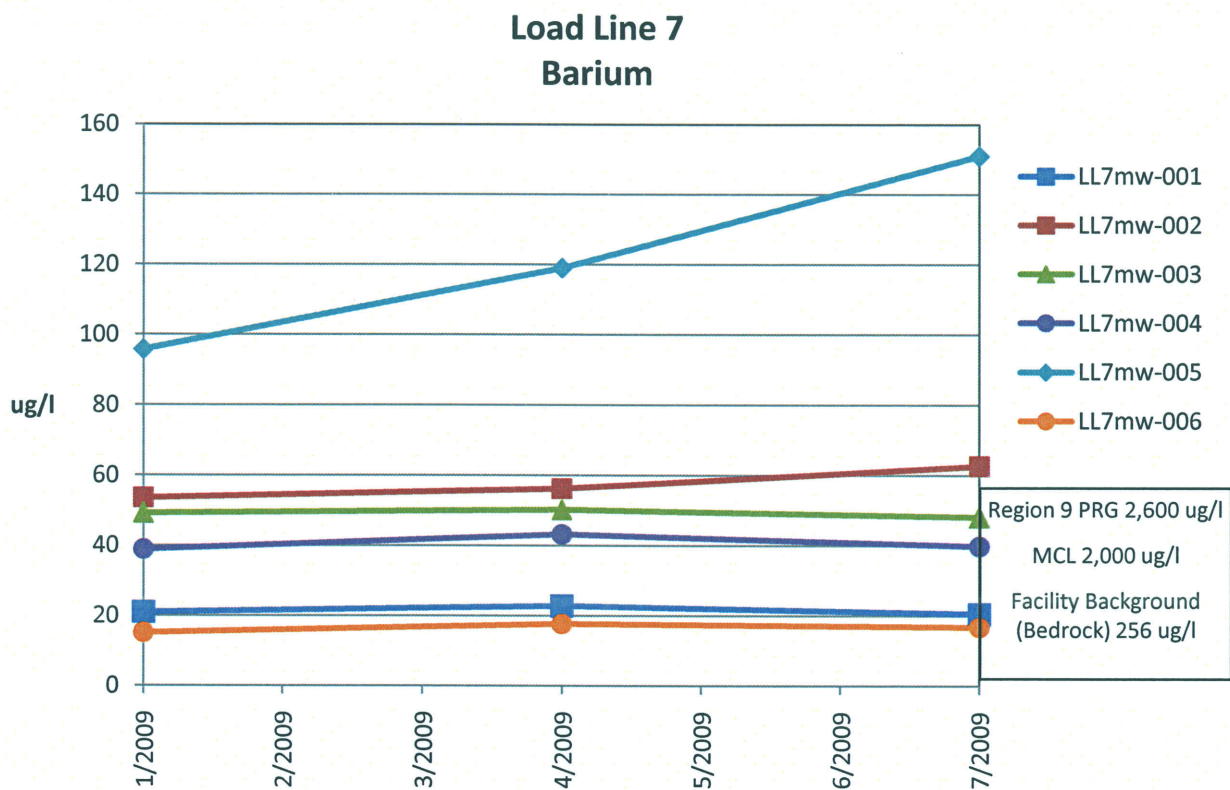


Load Line 7 1,1-Dichloroethene (total)

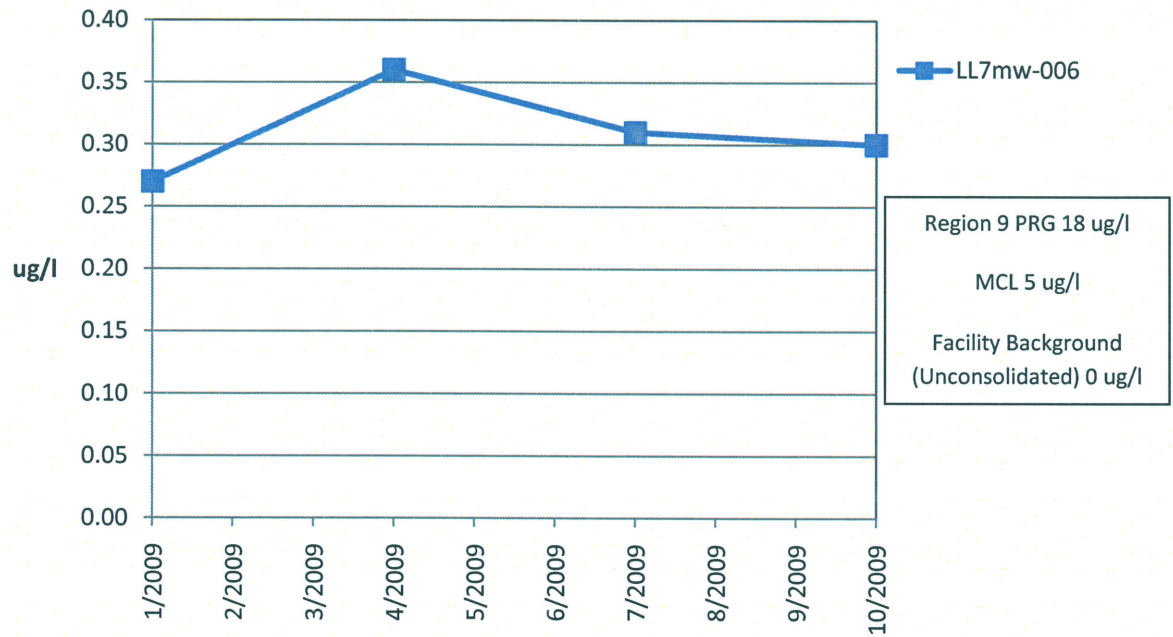


Load Line 7 1,3,5-Trinitrobenzene

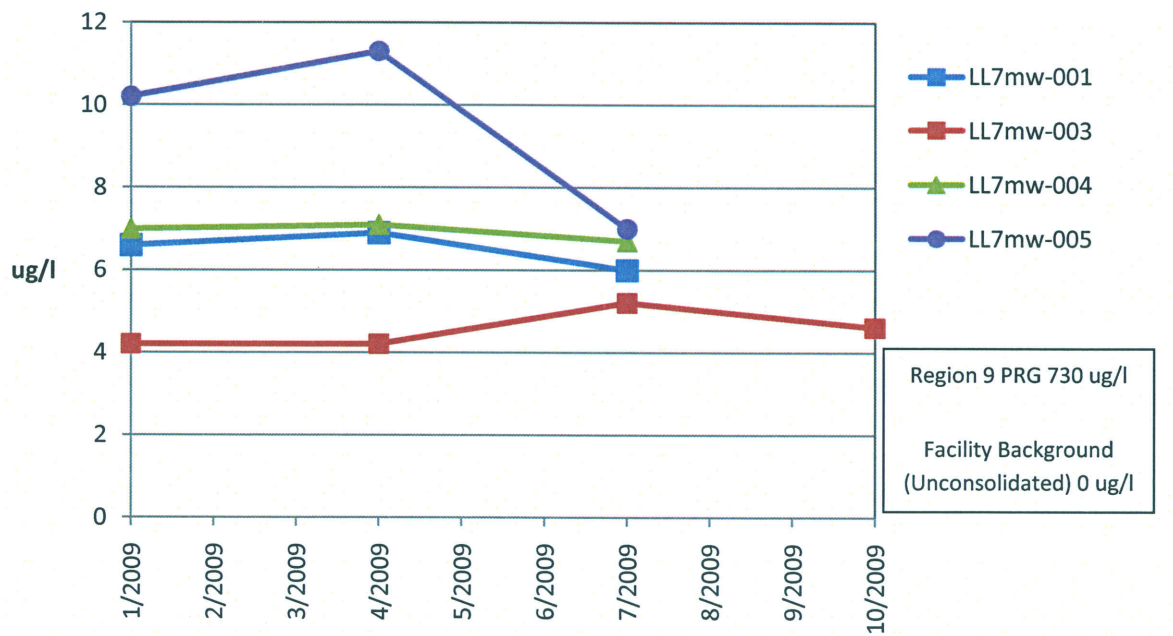




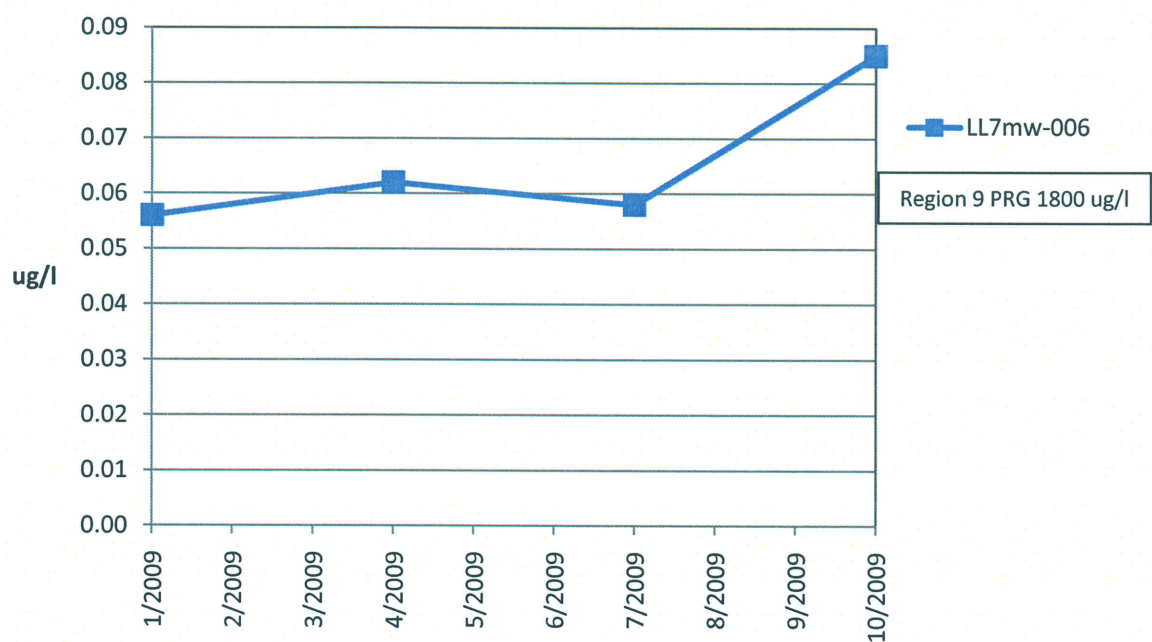
Load Line 7 Cadmium



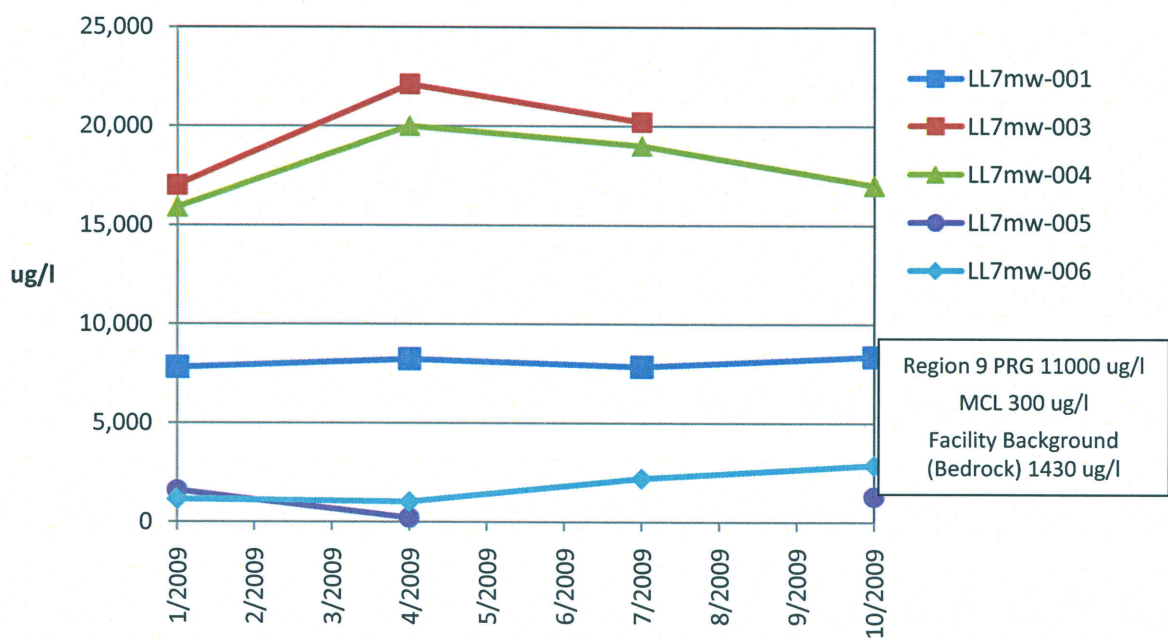
Load Line 7 Cobalt



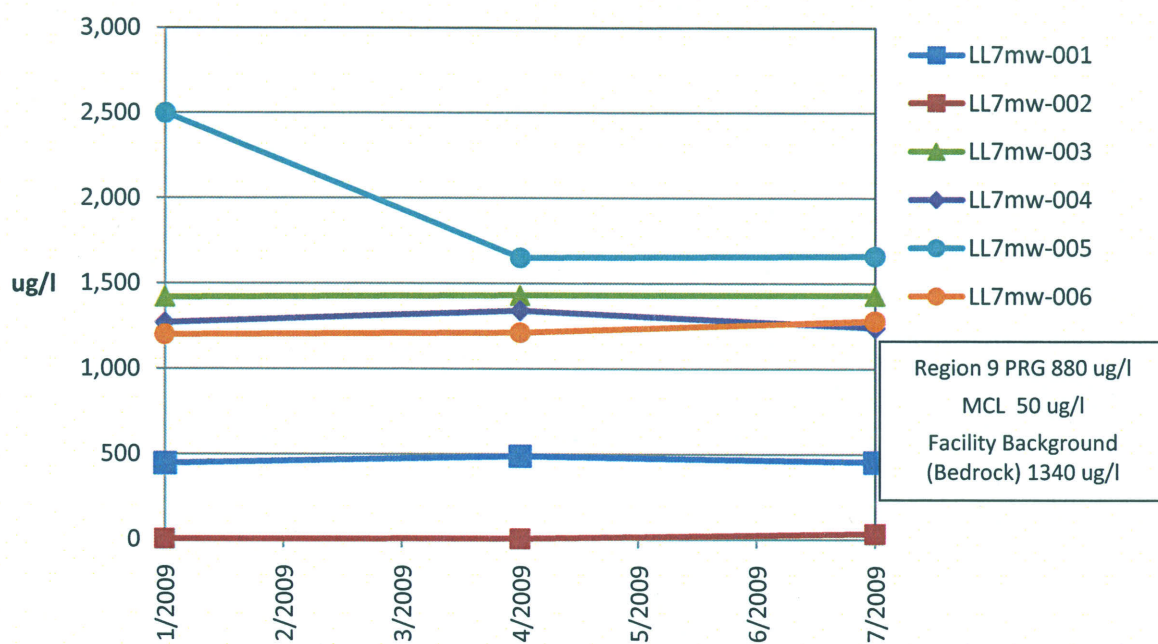
Load Line 7 HMX



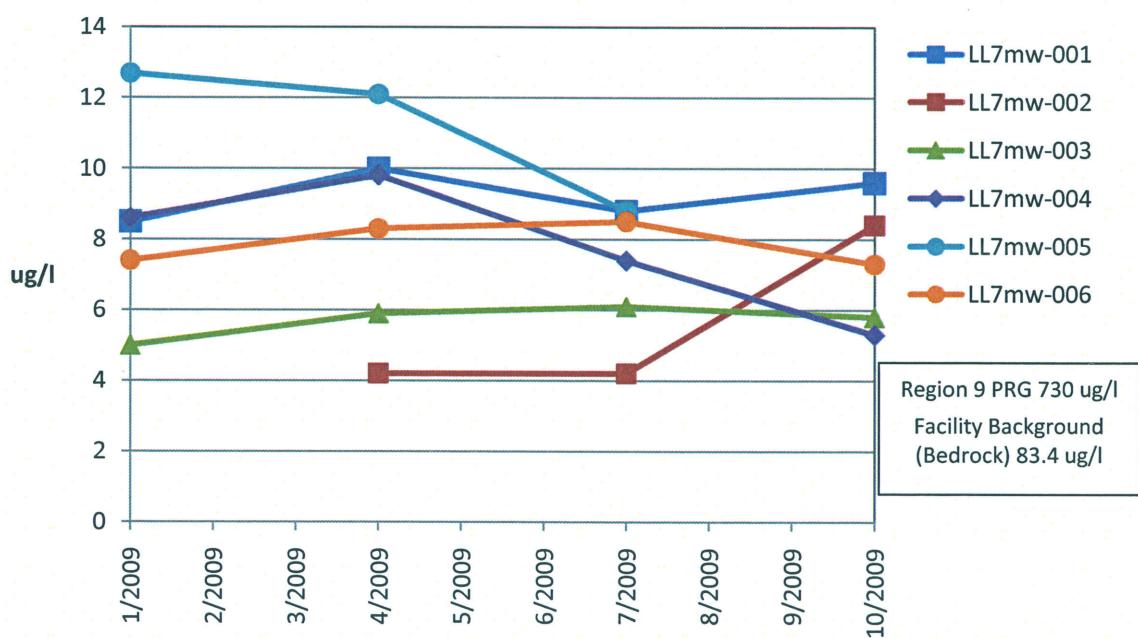
Load Line 7 Iron



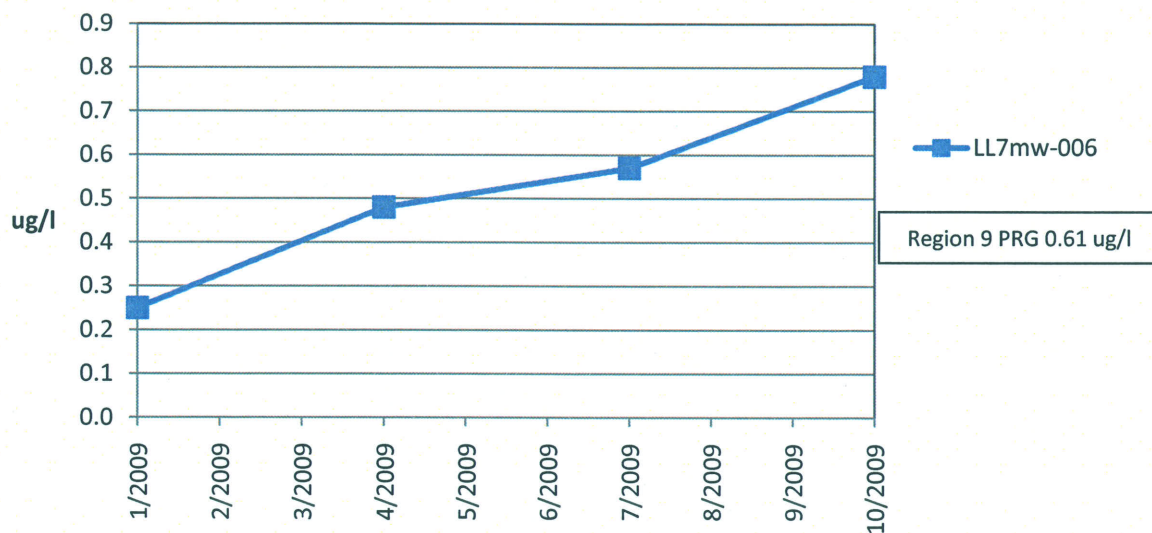
Load Line 7 Manganese



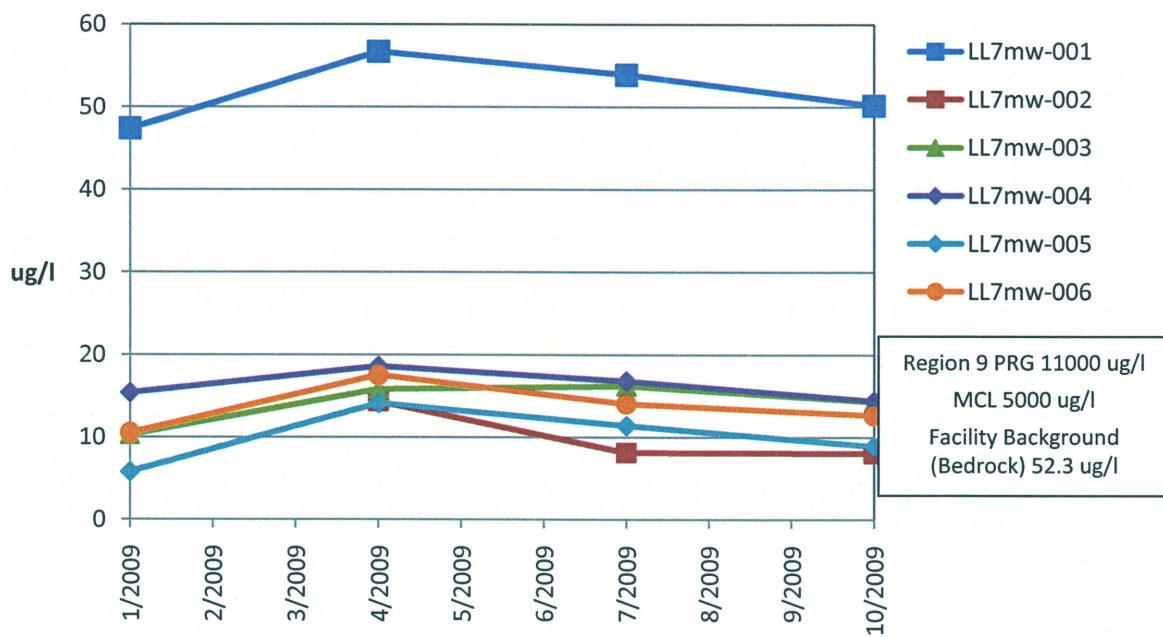
Load Line 7 Nickel



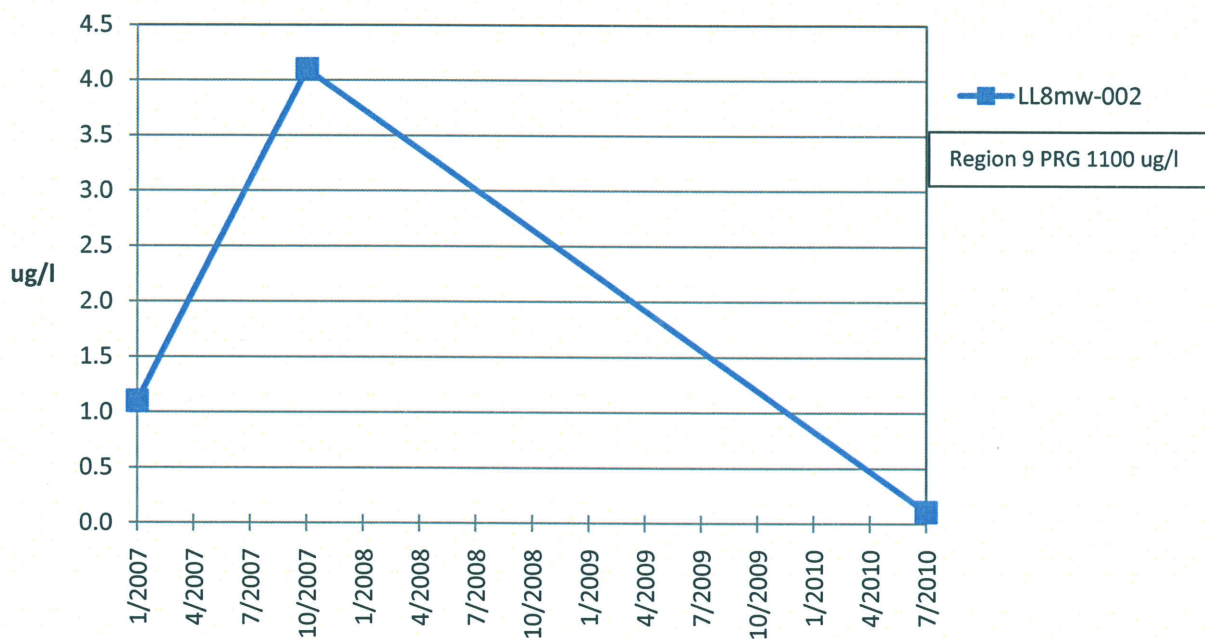
Load Line 7 RDX



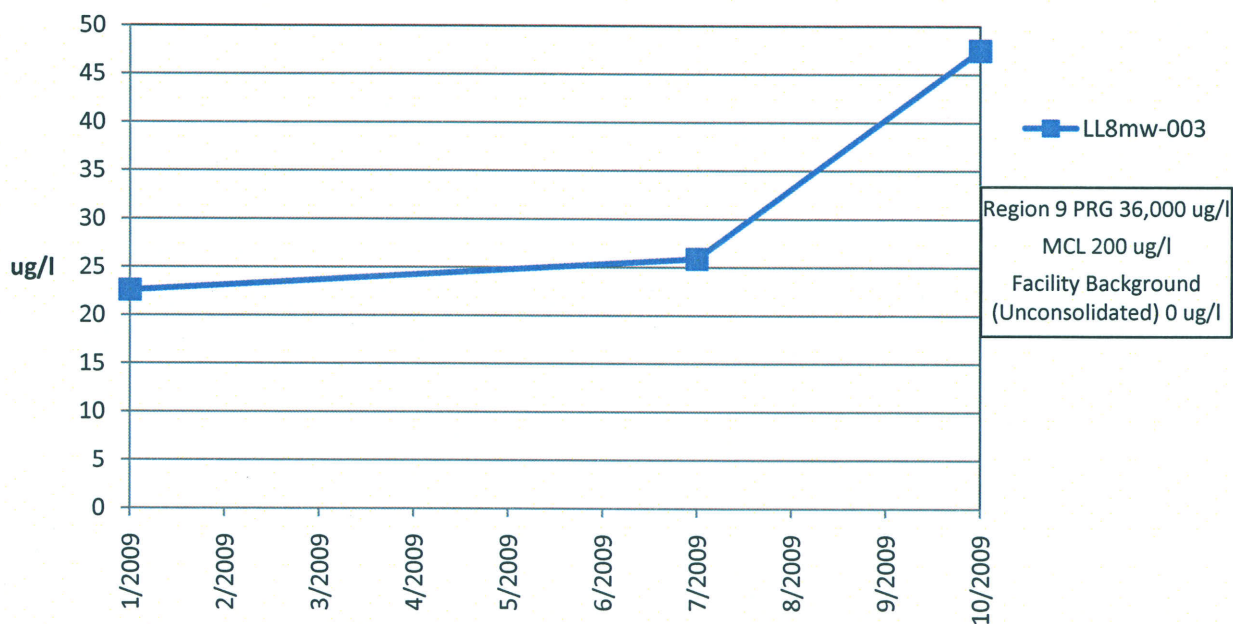
Load Line 7 Zinc



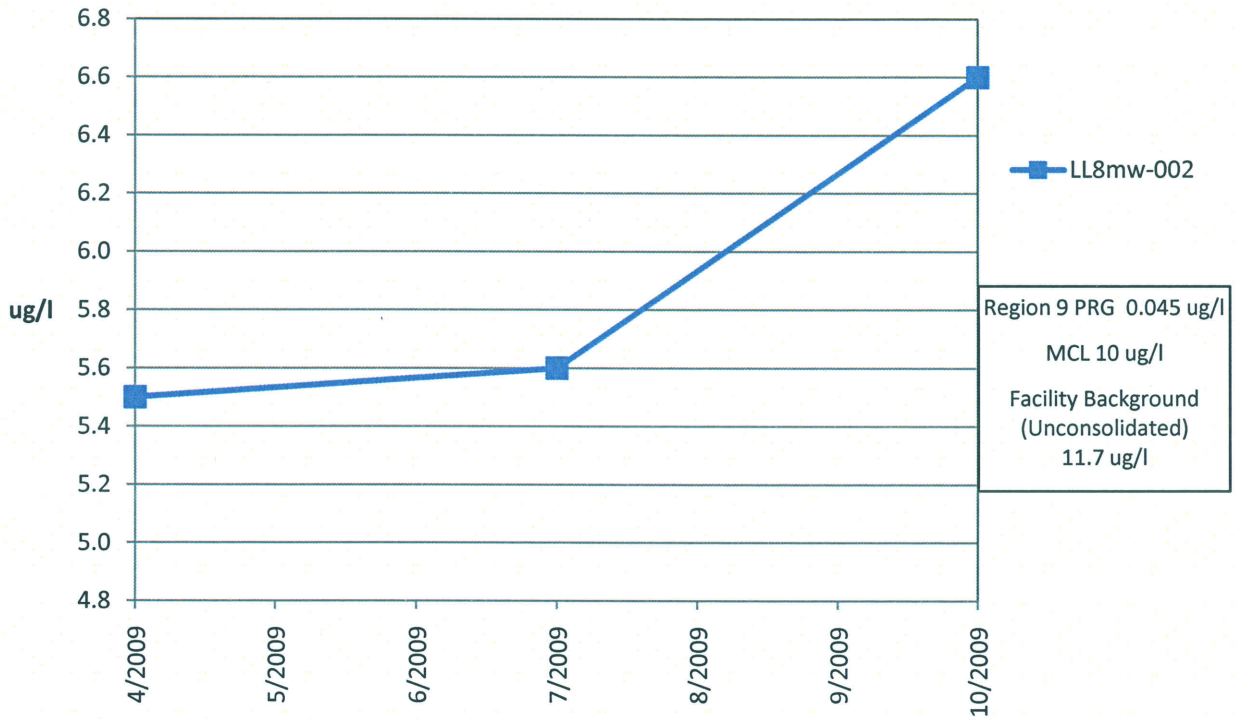
Load Line 8 1,3,5-Dichloroethane



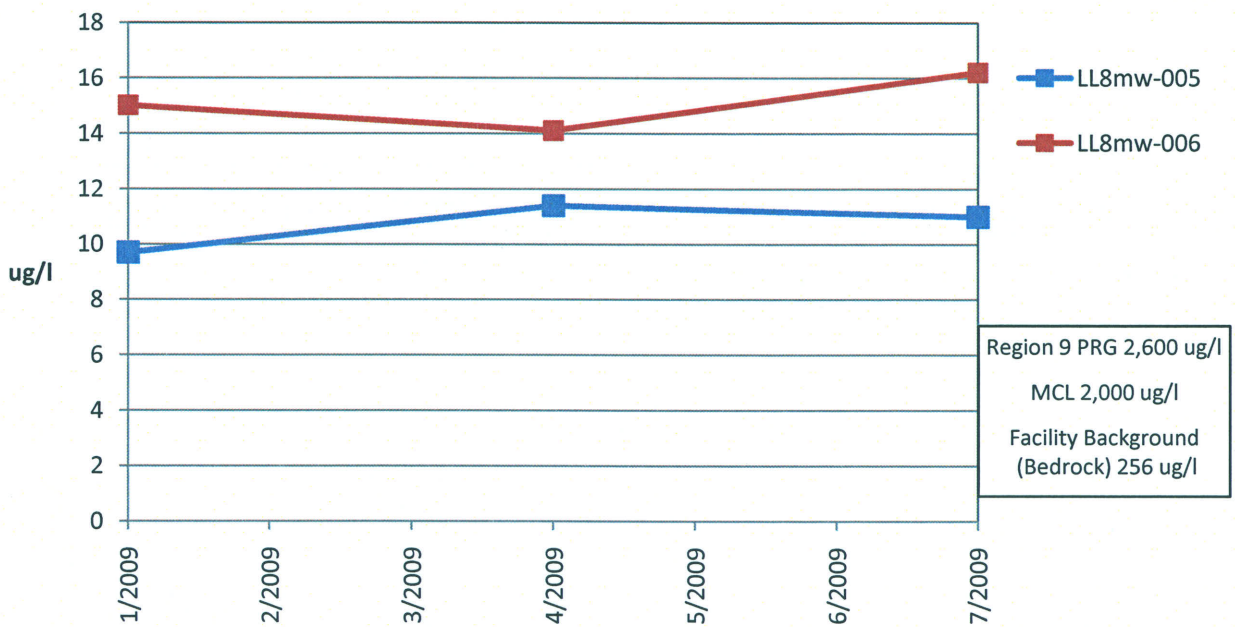
Load Line 8 Aluminum

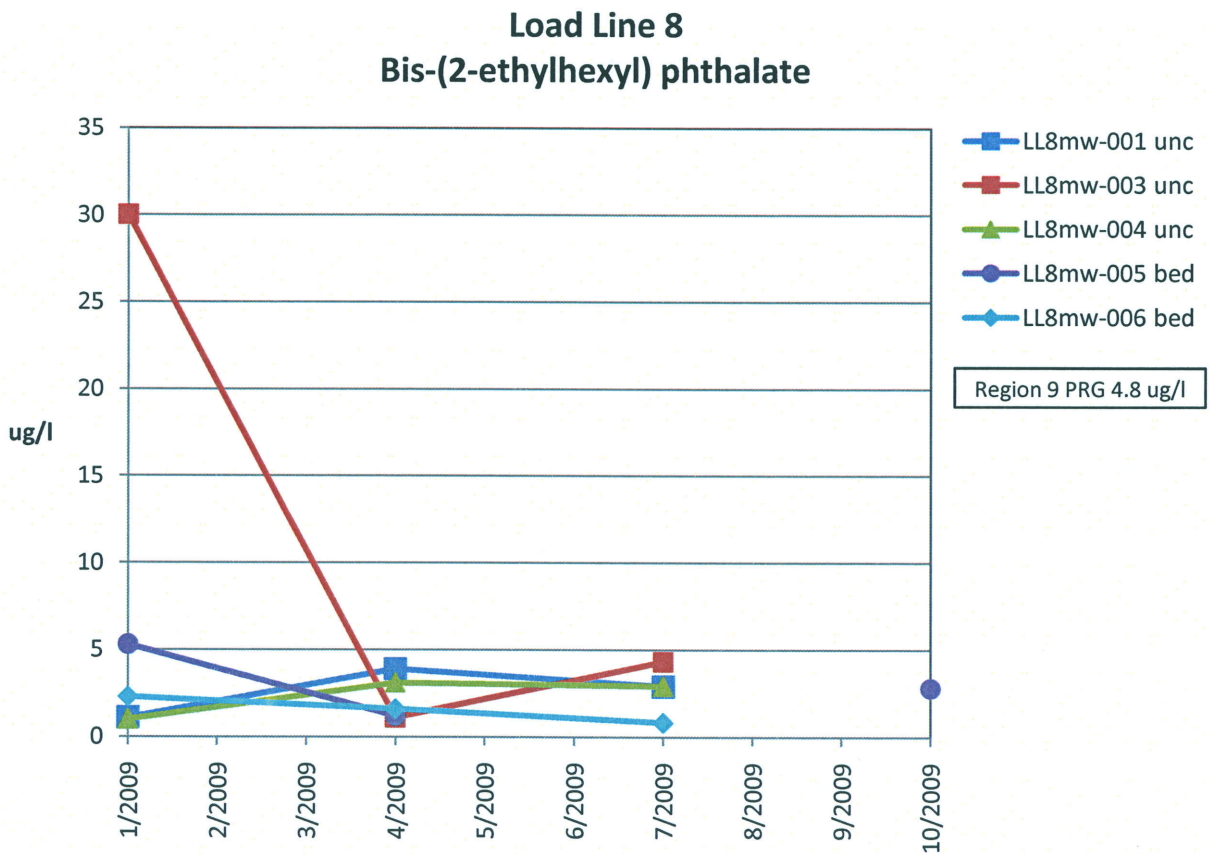
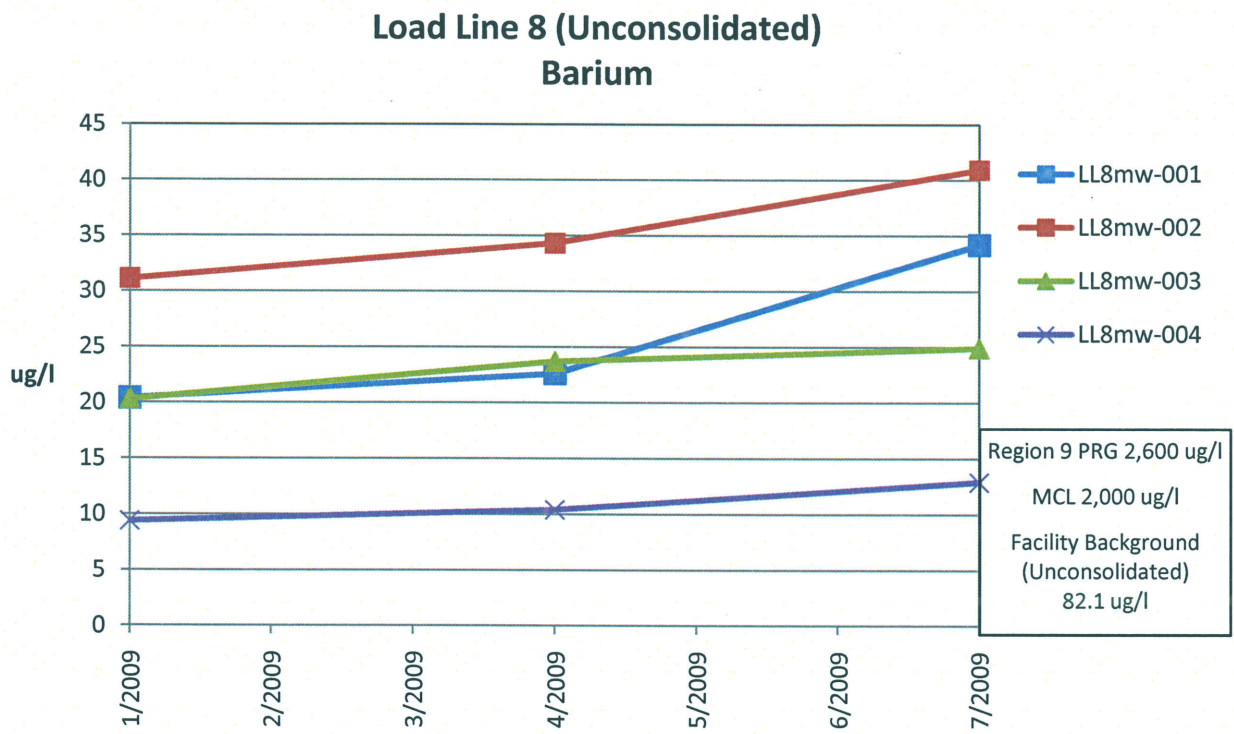


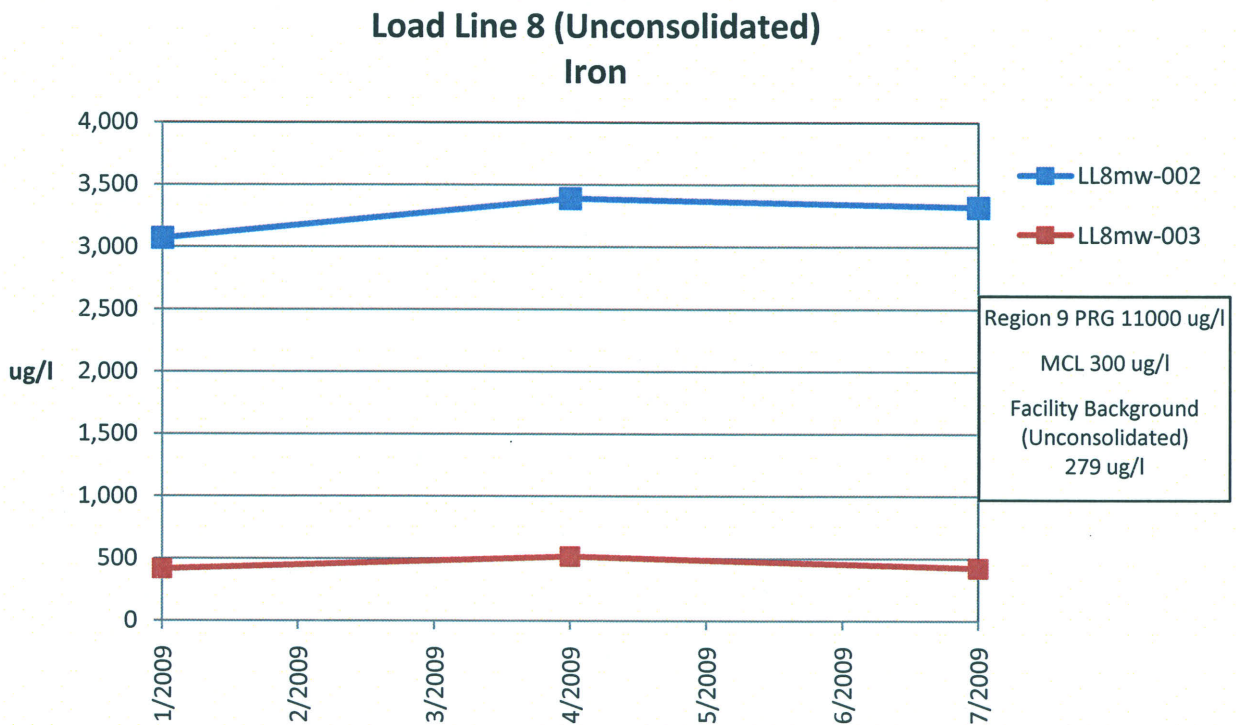
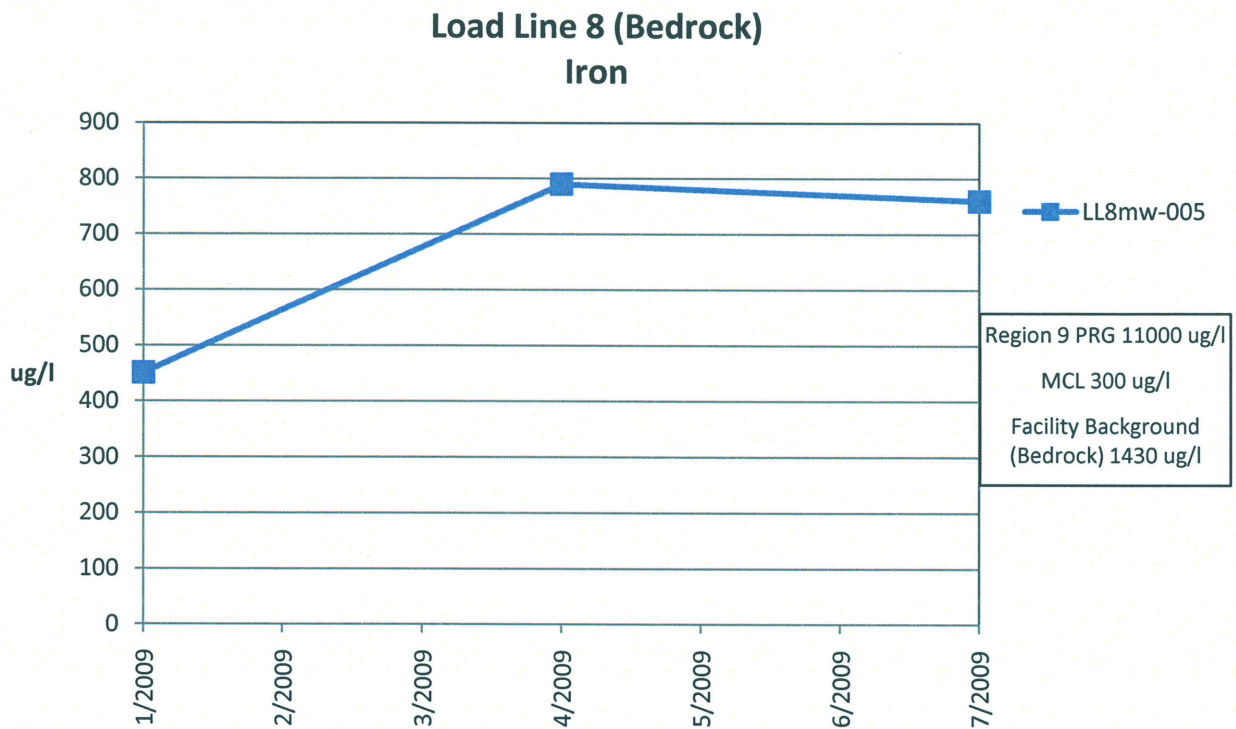
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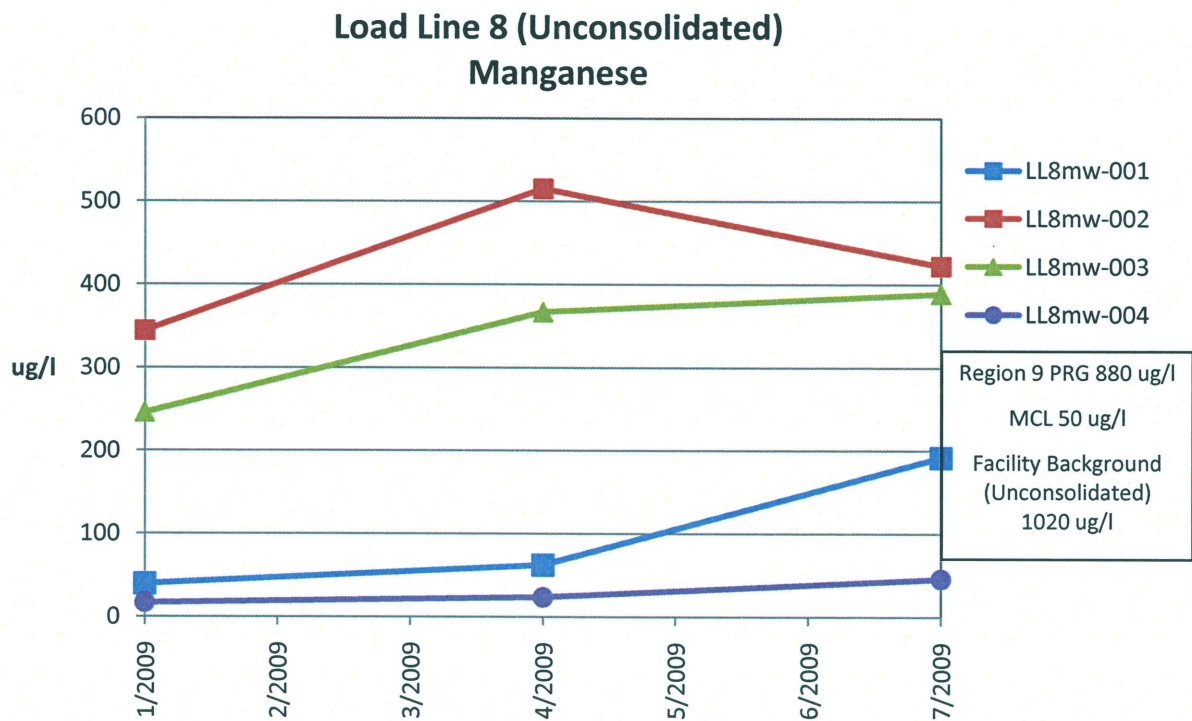
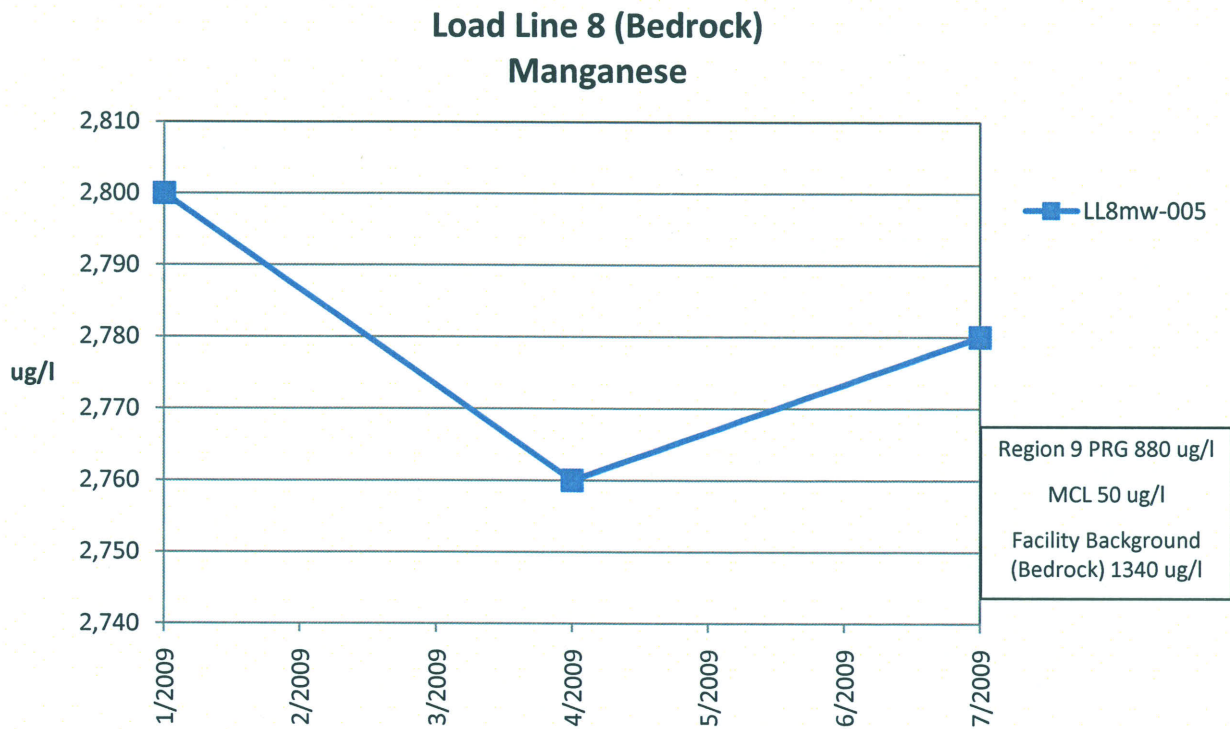


Load Line 8 (Bedrock) Barium

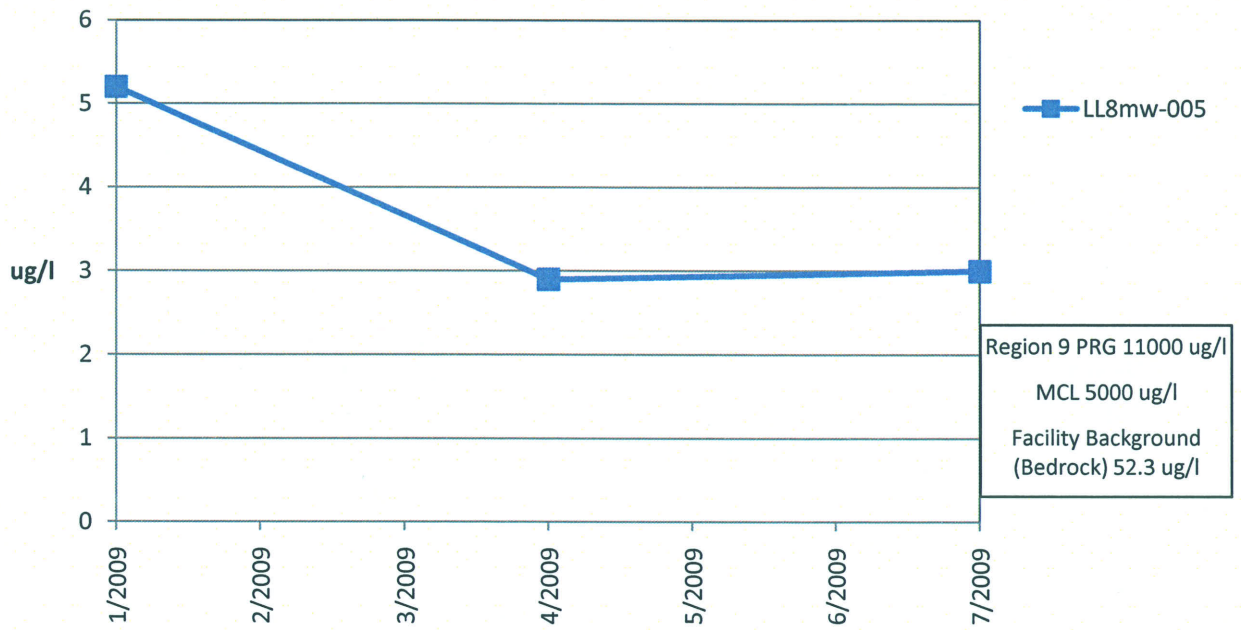




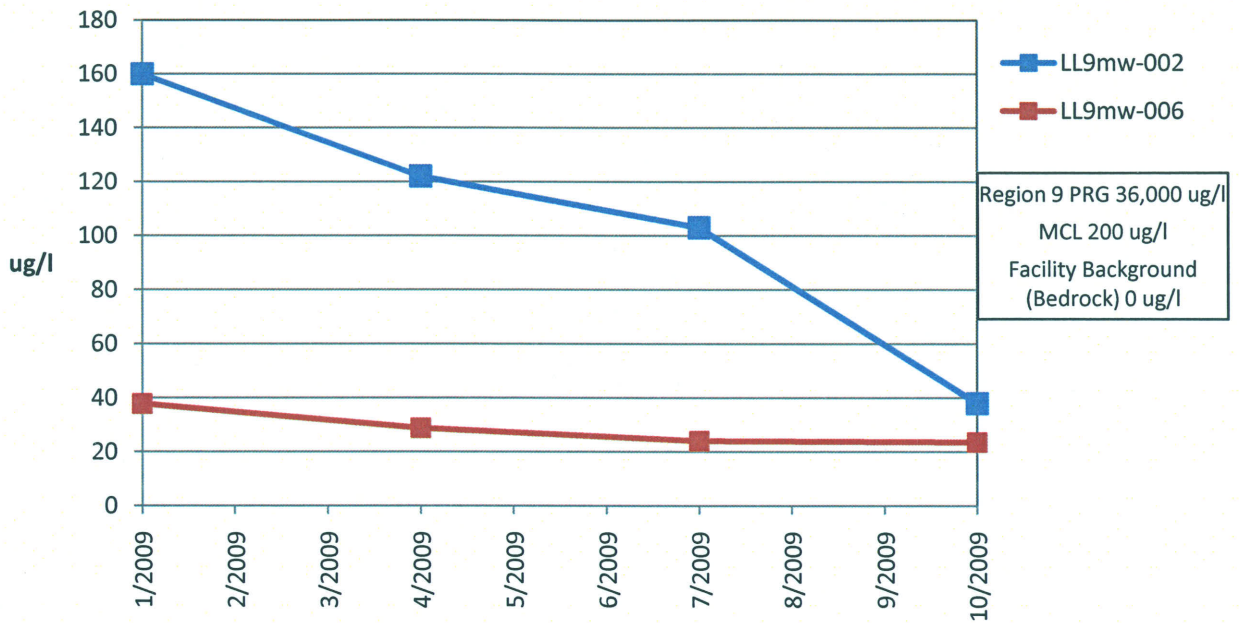




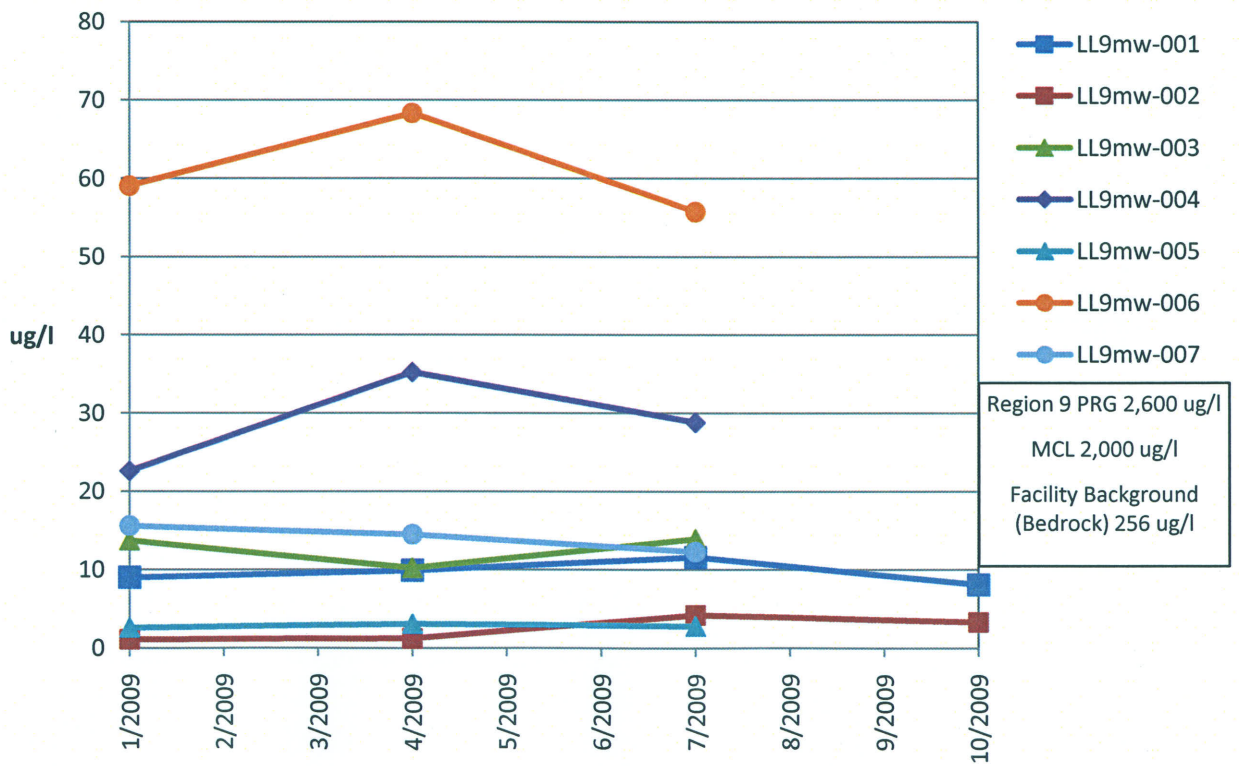
Load Line 8 Zinc



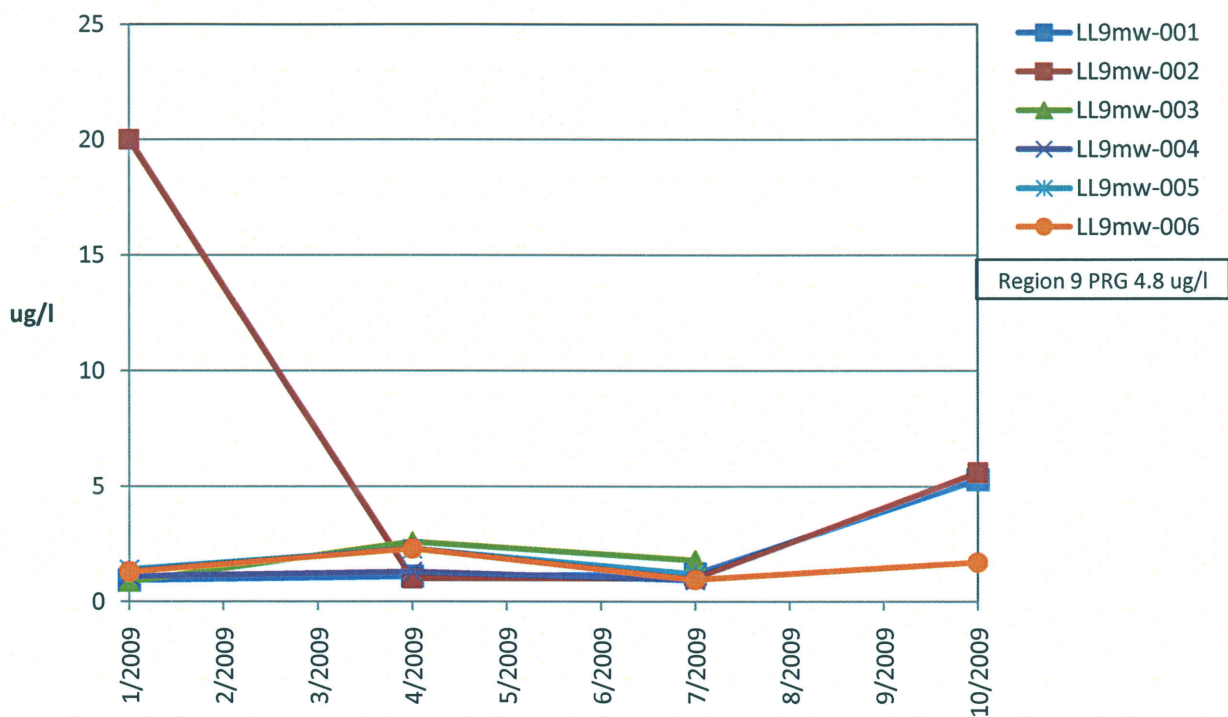
Load Line 9 Aluminum



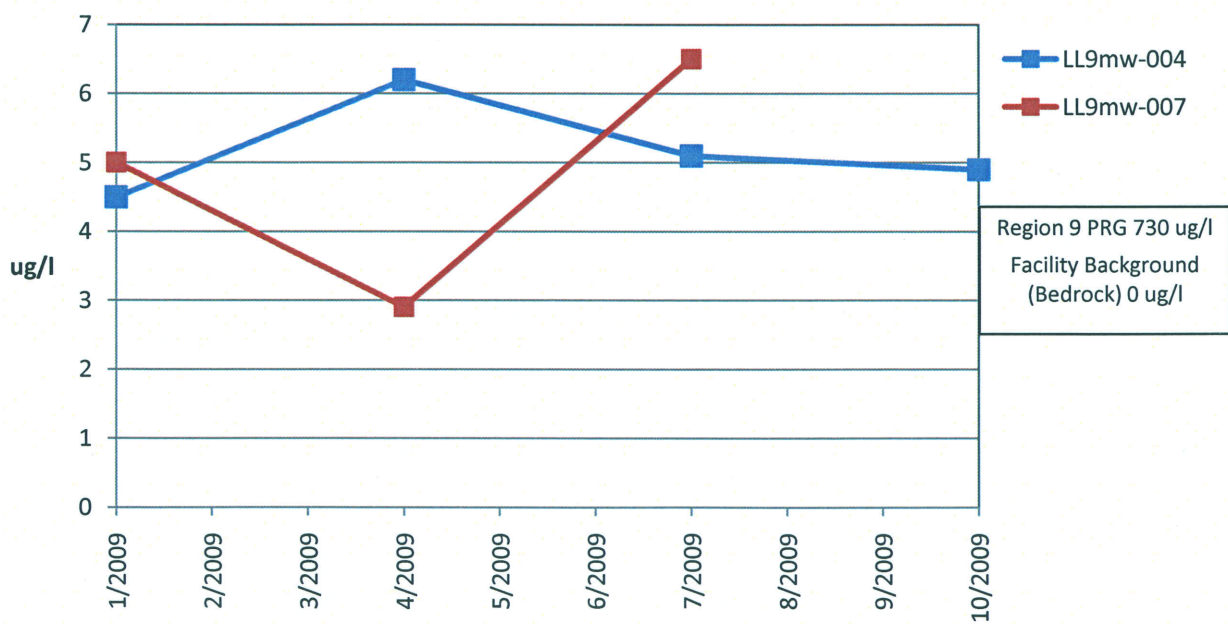
Load Line 9 Barium



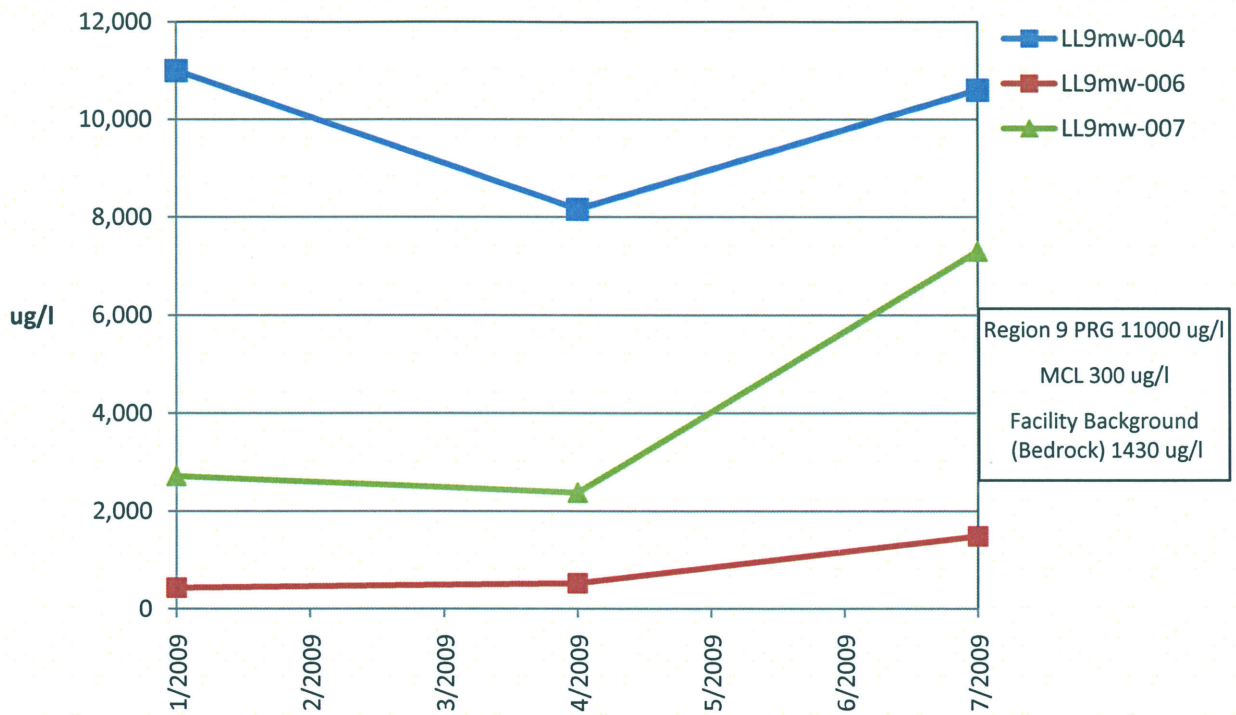
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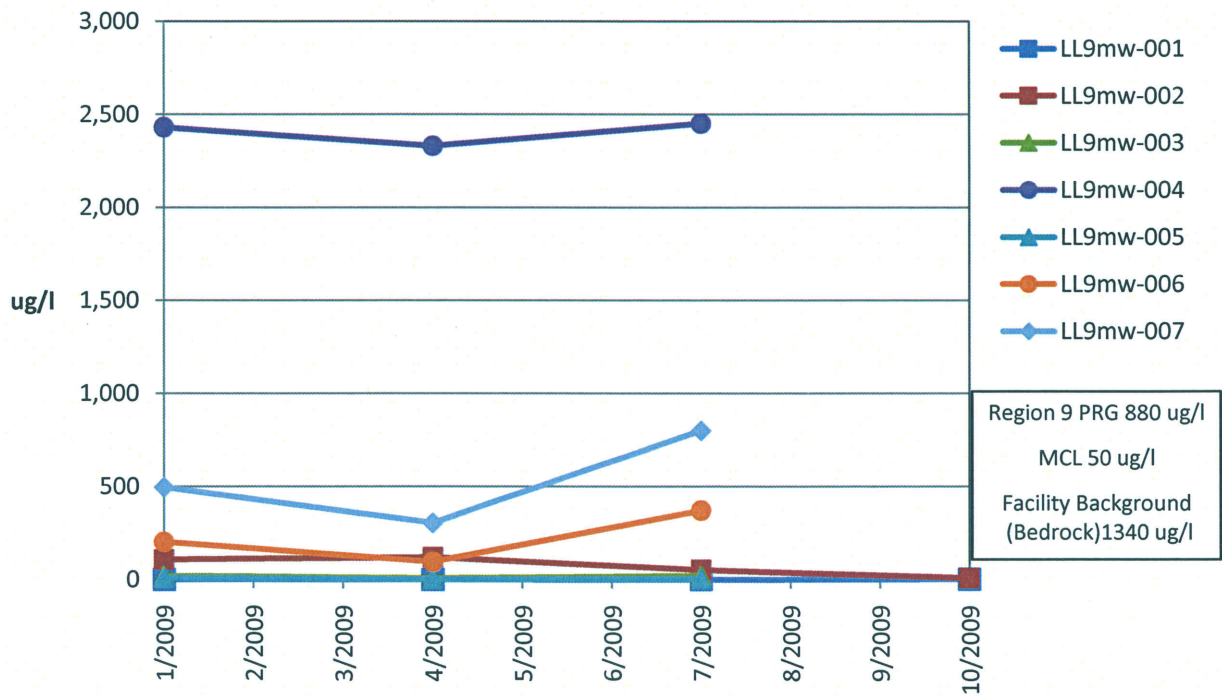
Load Line 9 Cobalt



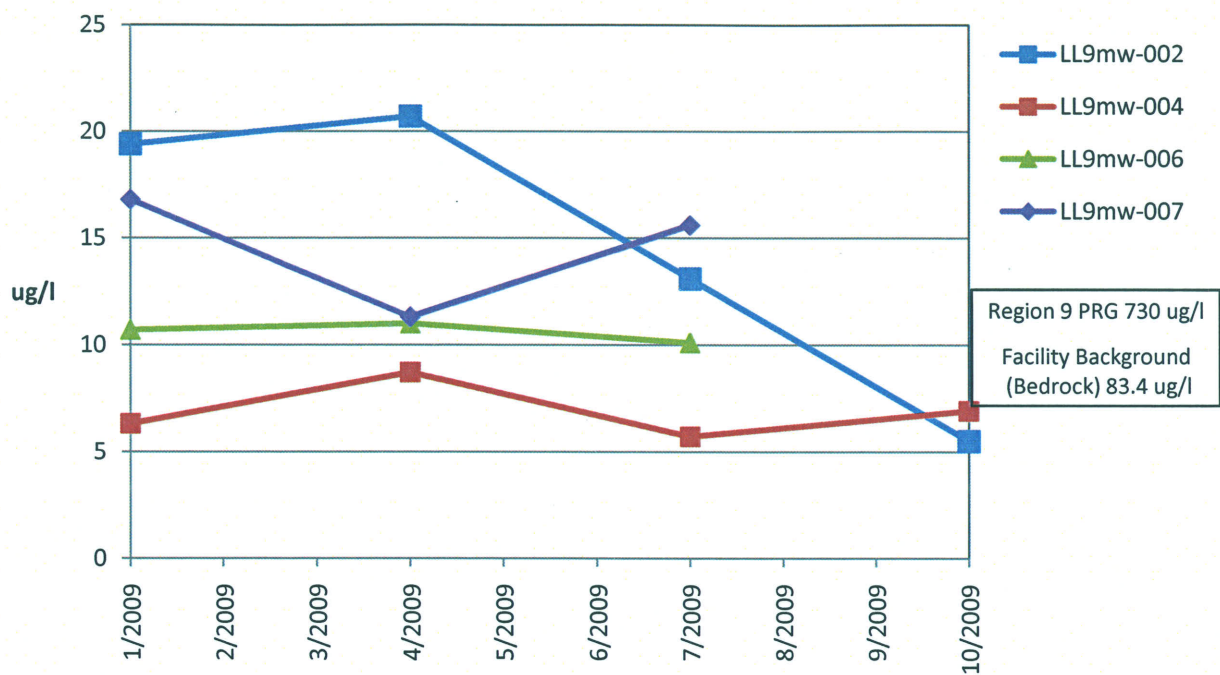
Load Line 9 Iron



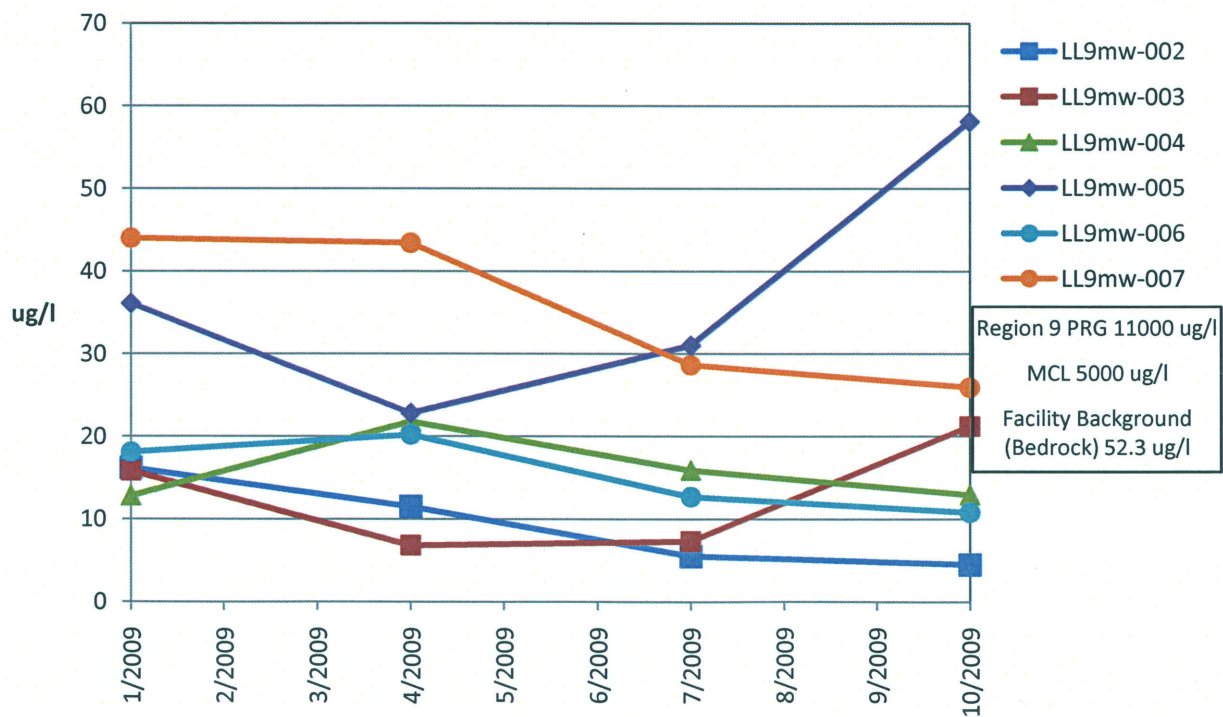
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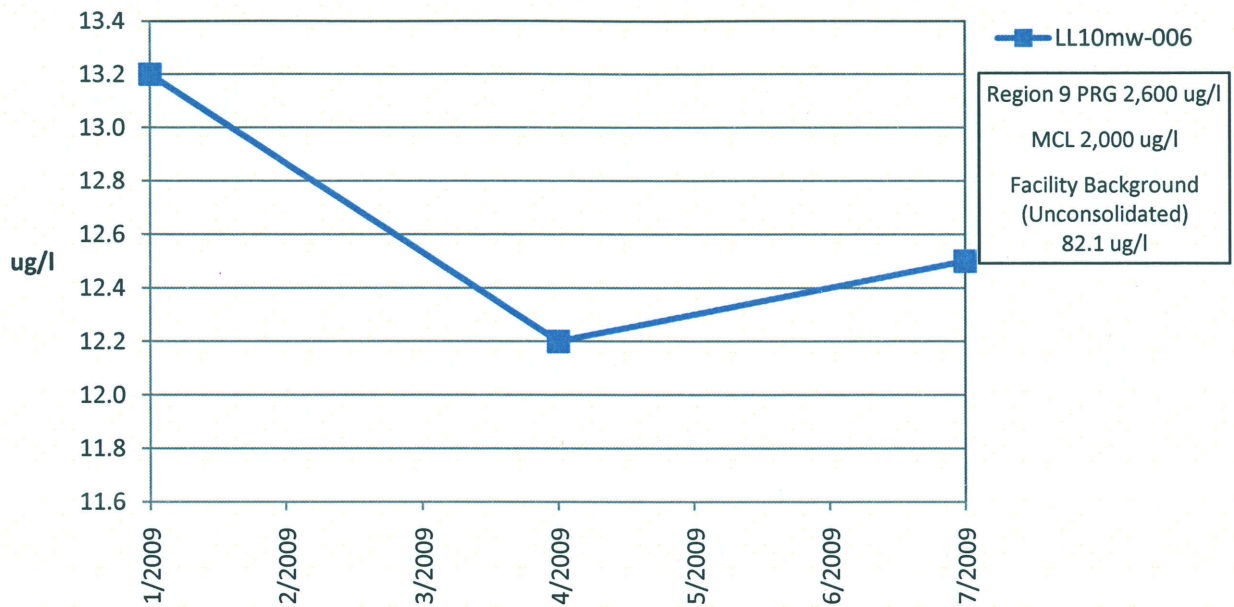
Load Line 9 Nickel



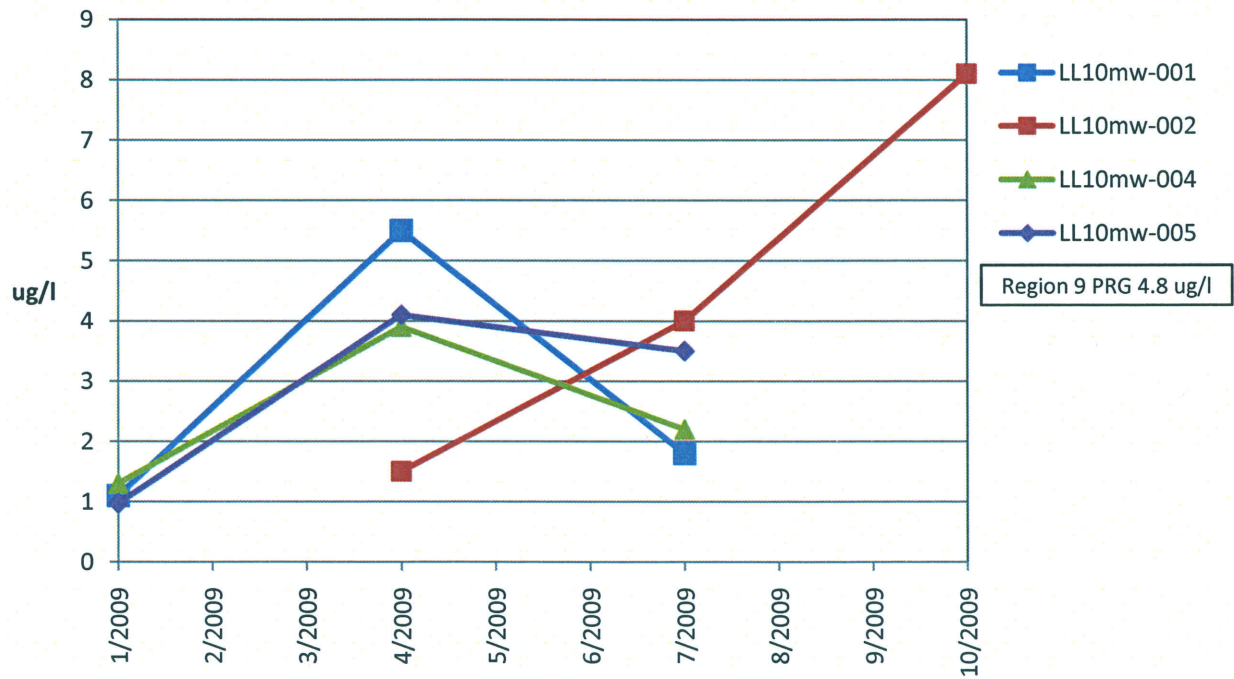
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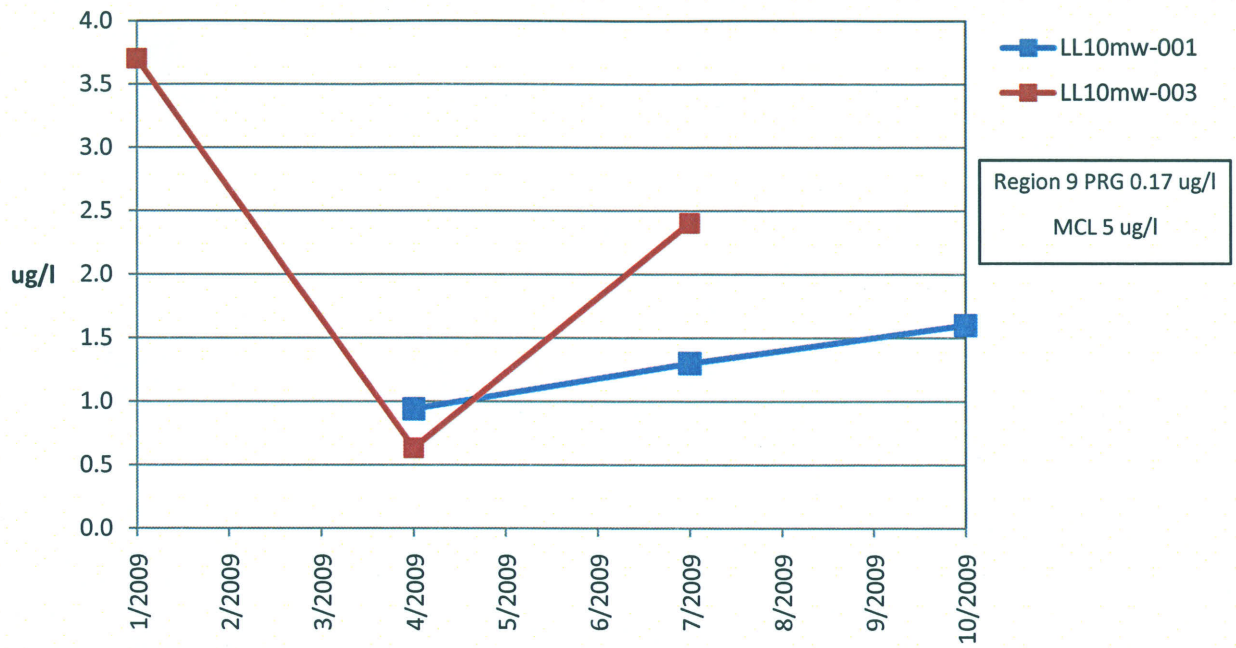
Load Line 10 Barium



Load Line 10 Bis-(2-ethylhexyl) phthalate



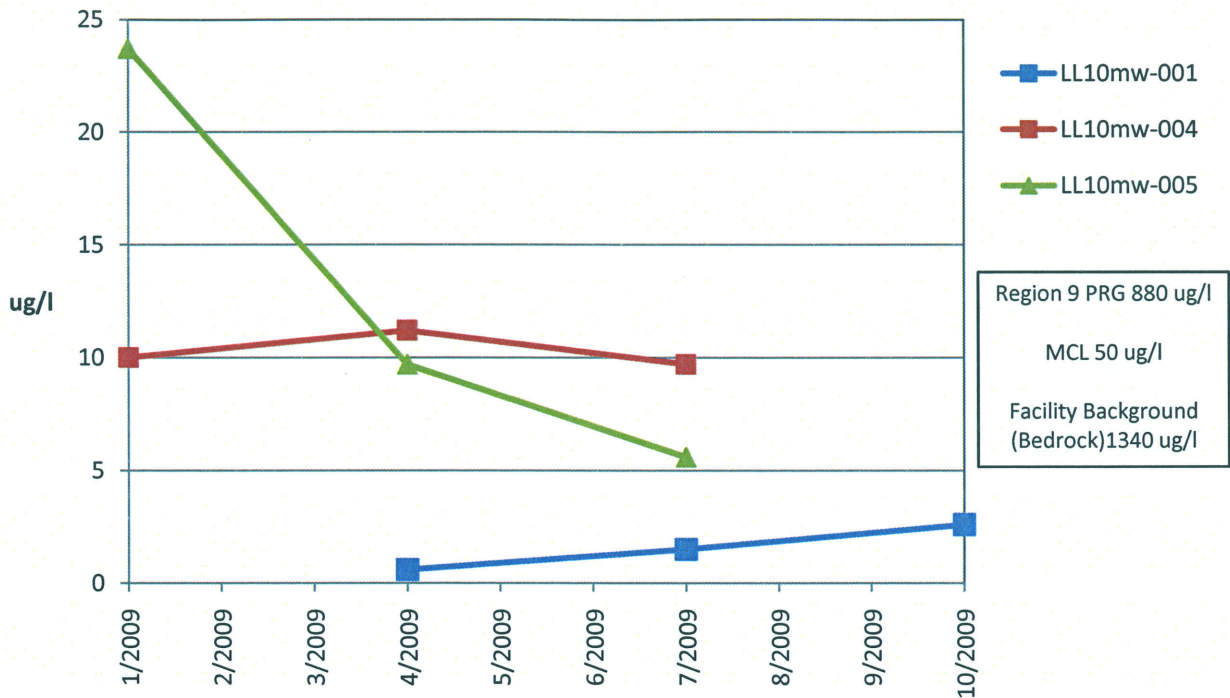
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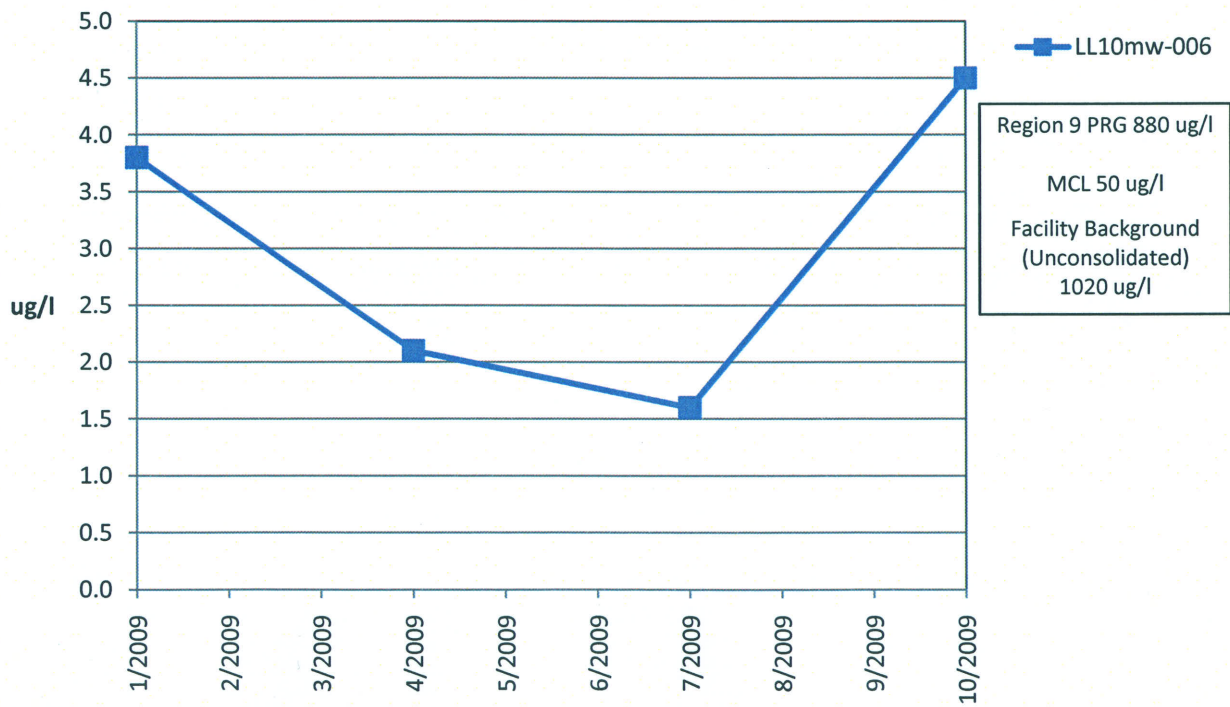
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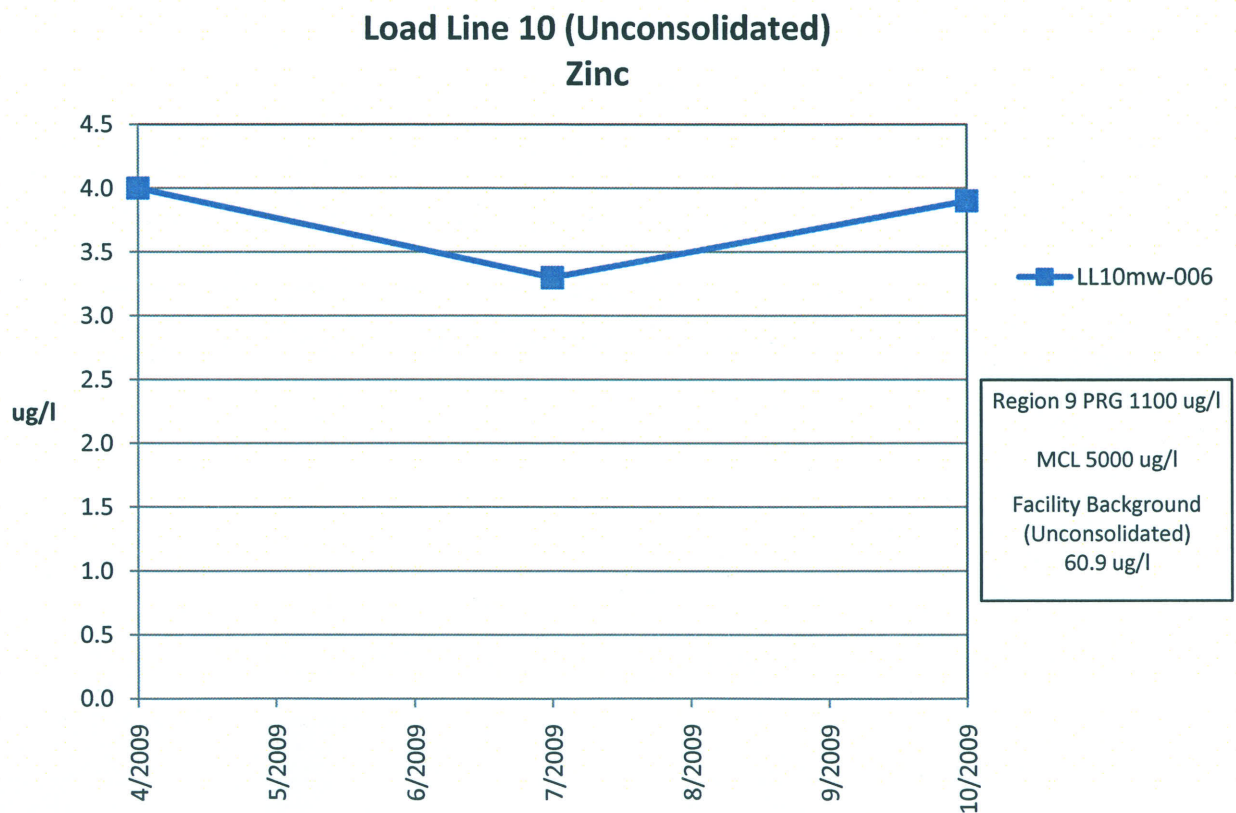
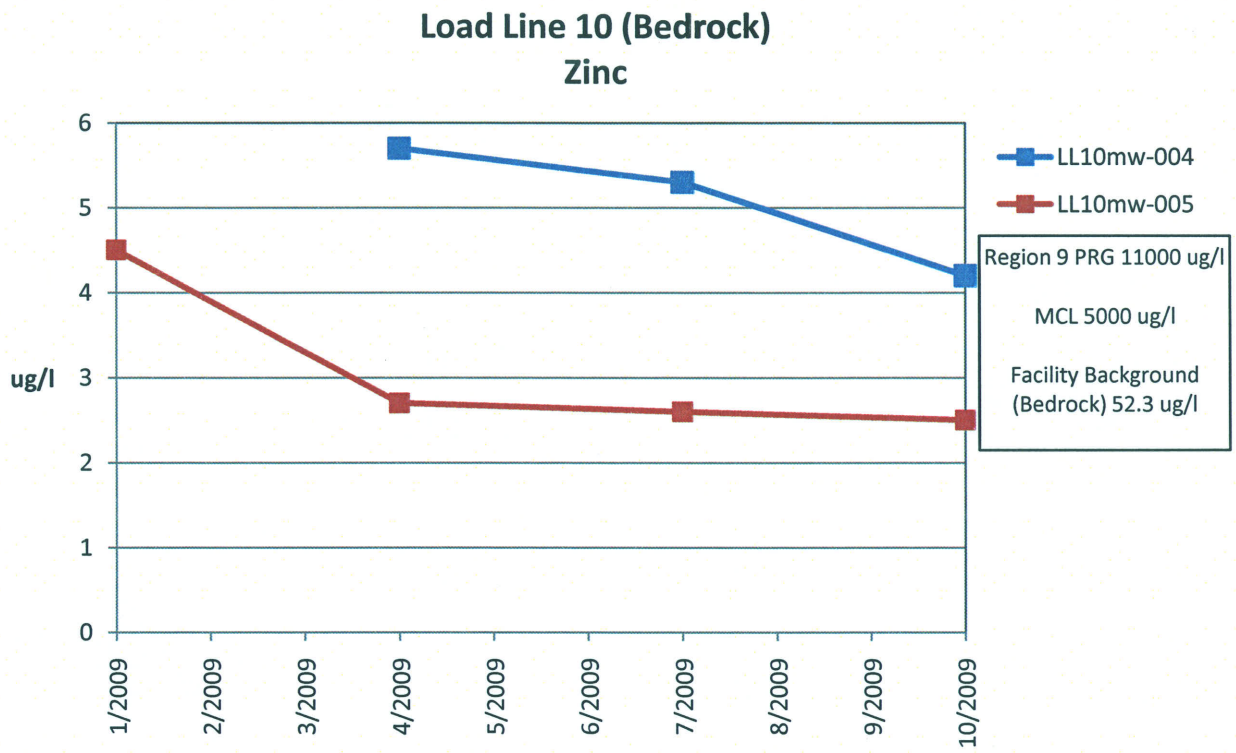


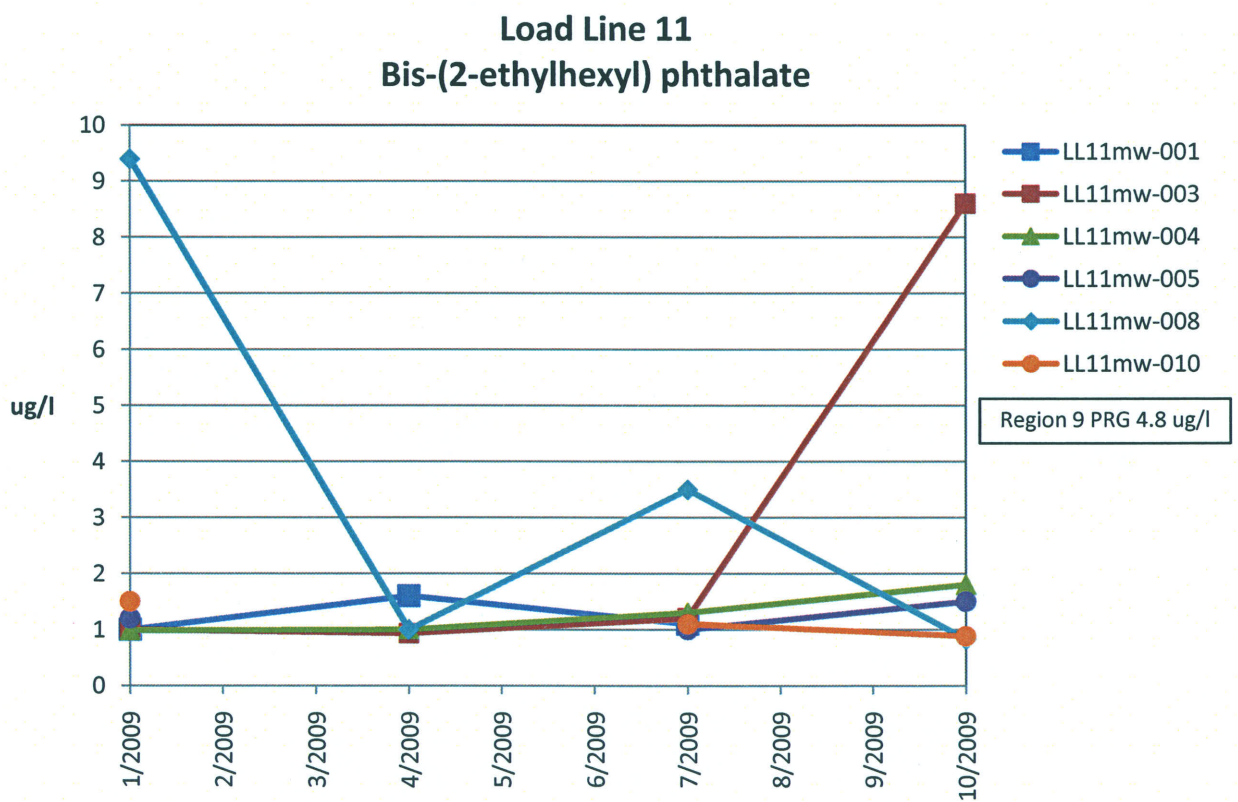
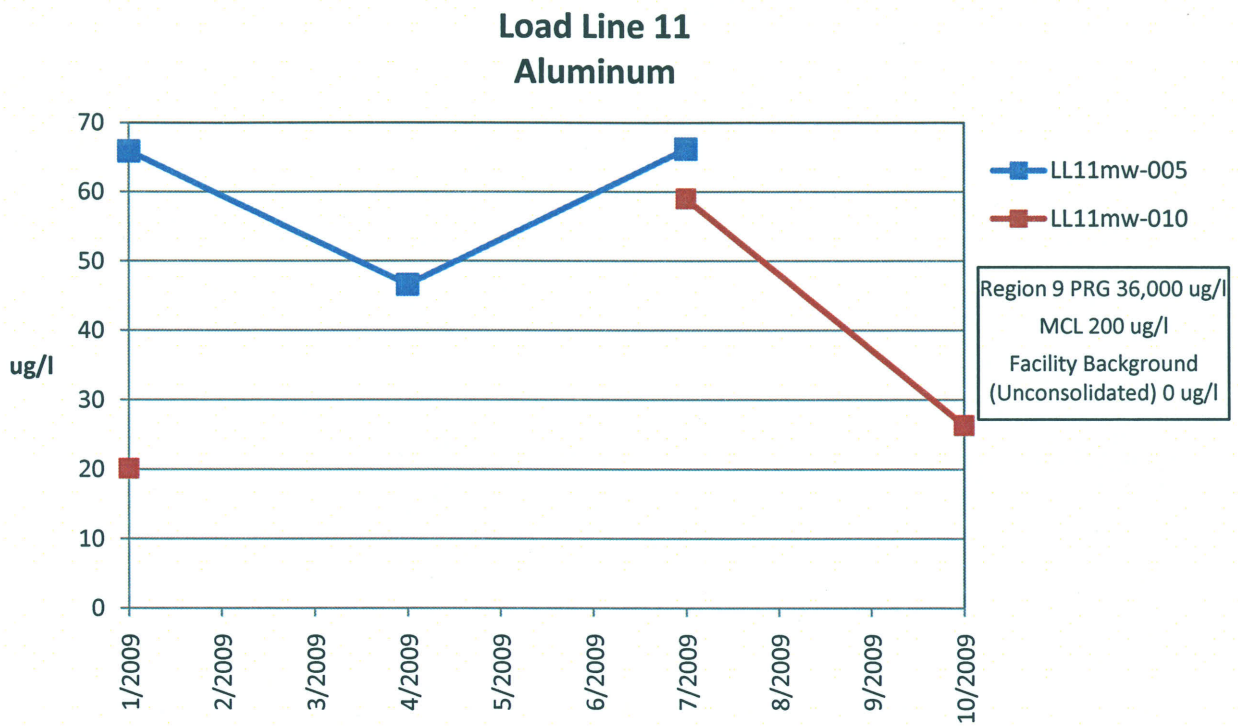
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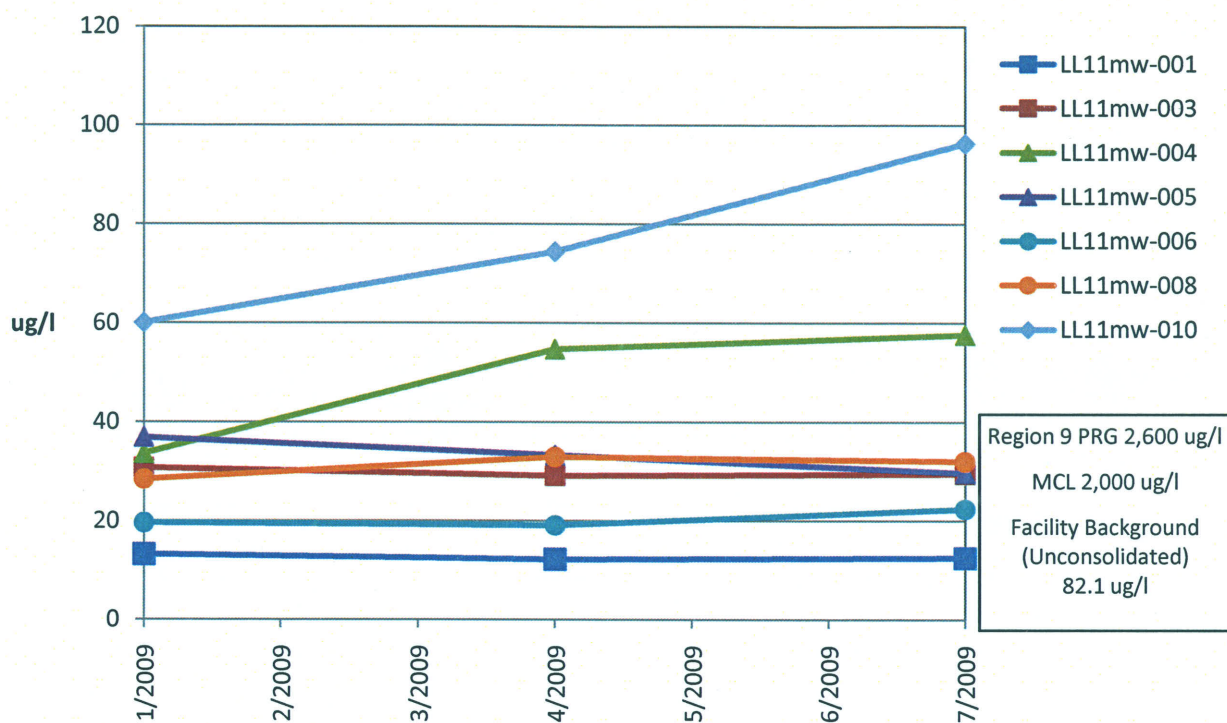
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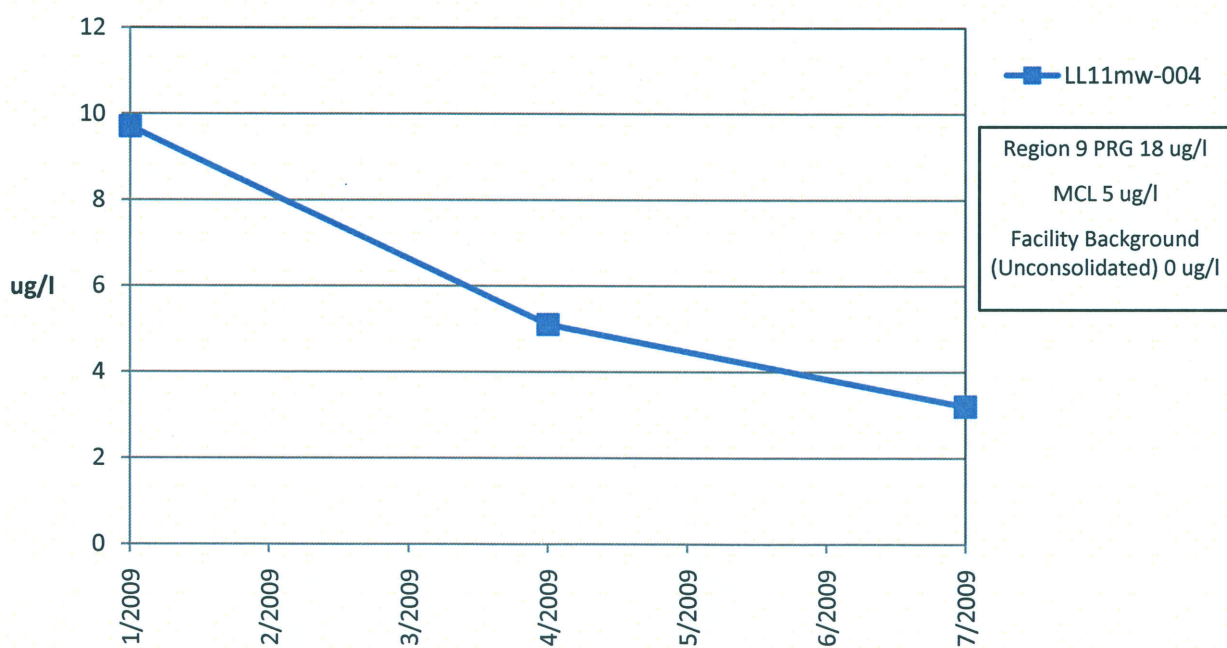




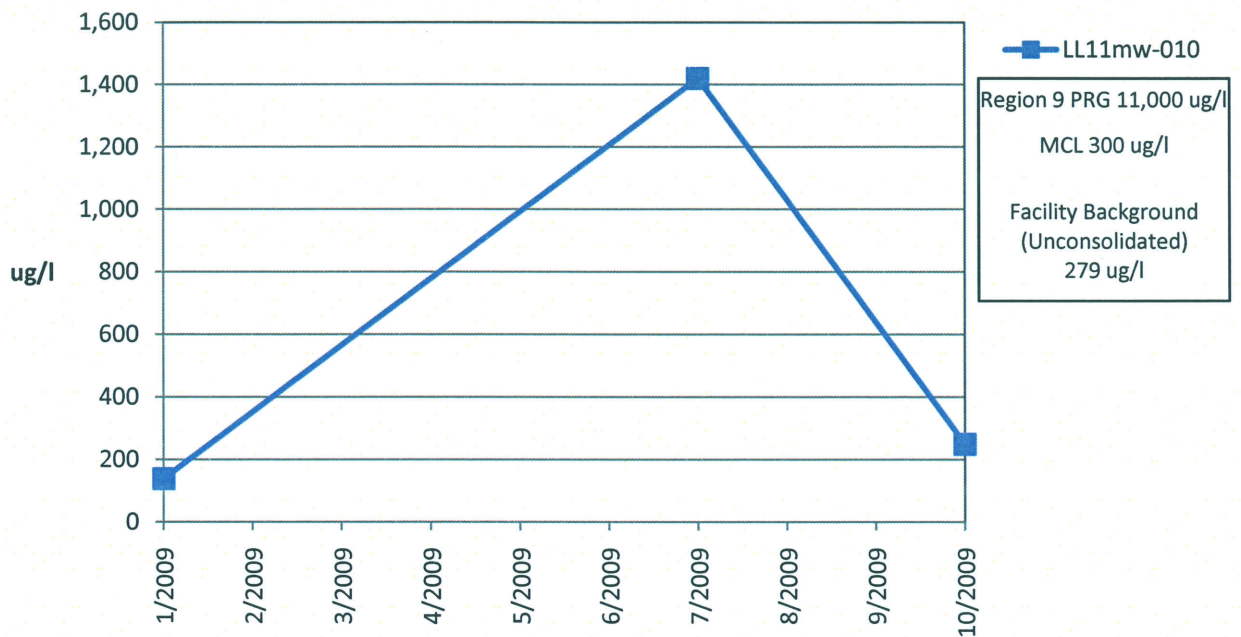
Load Line 11 Barium



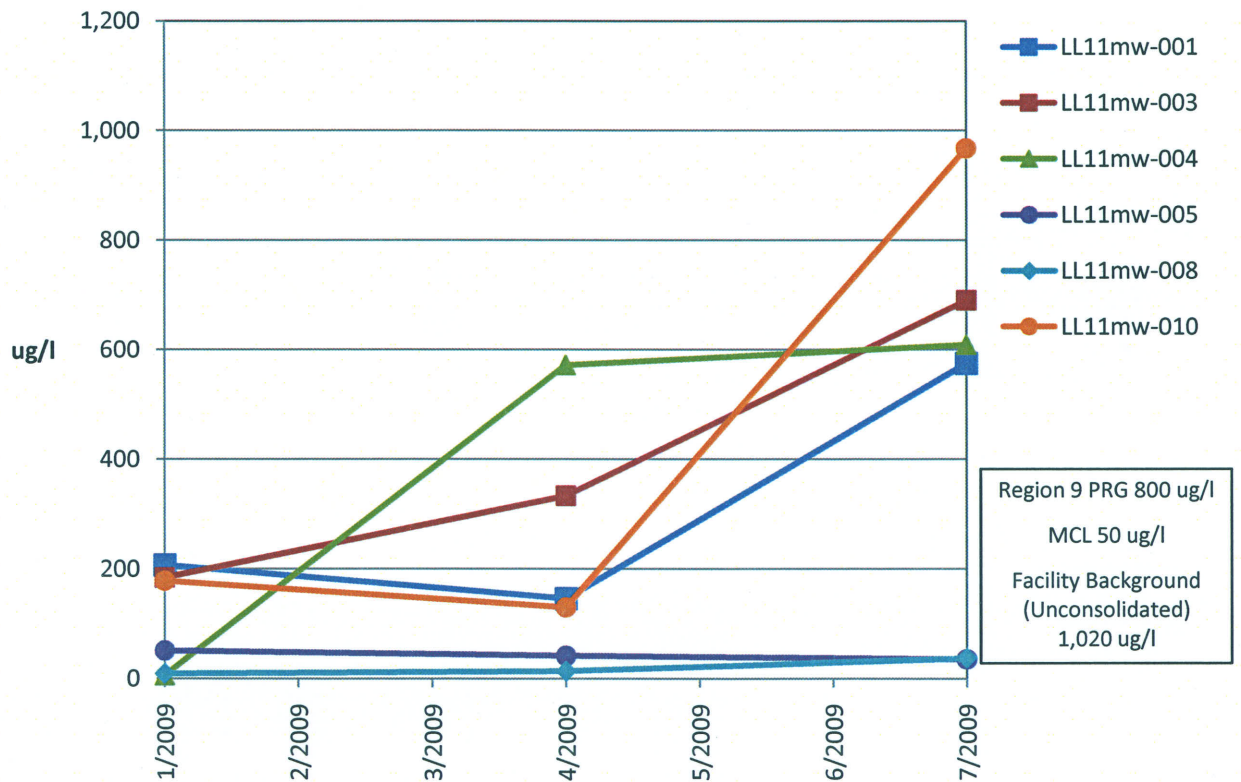
Load Line 11 Cadmium



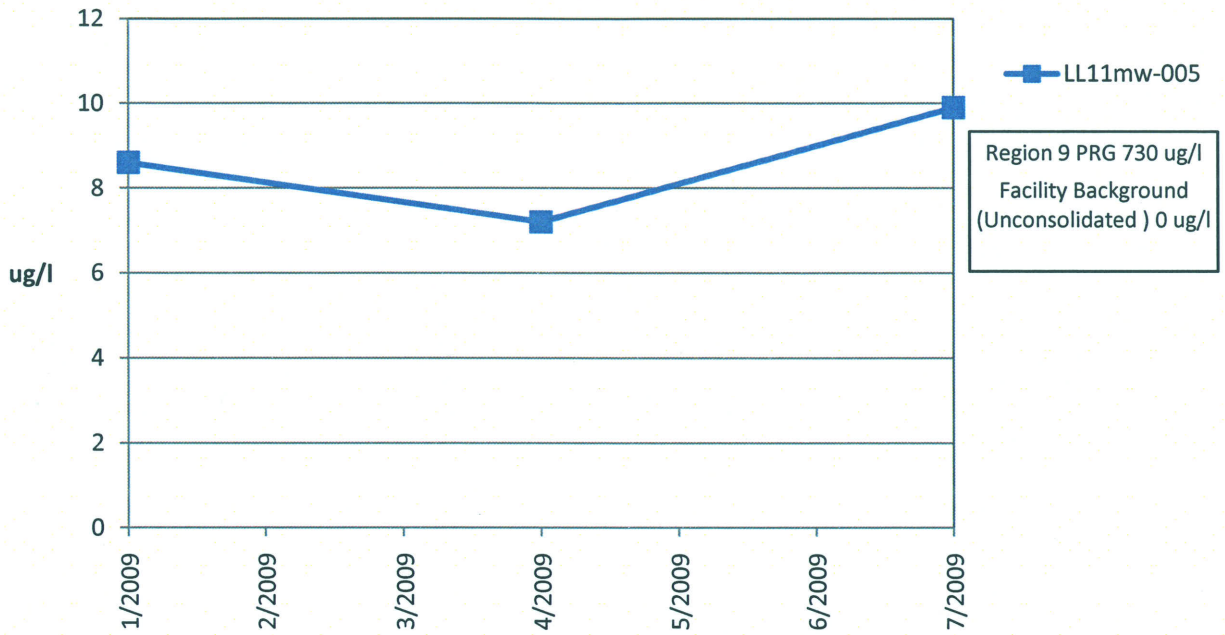
Load Line 11 Iron



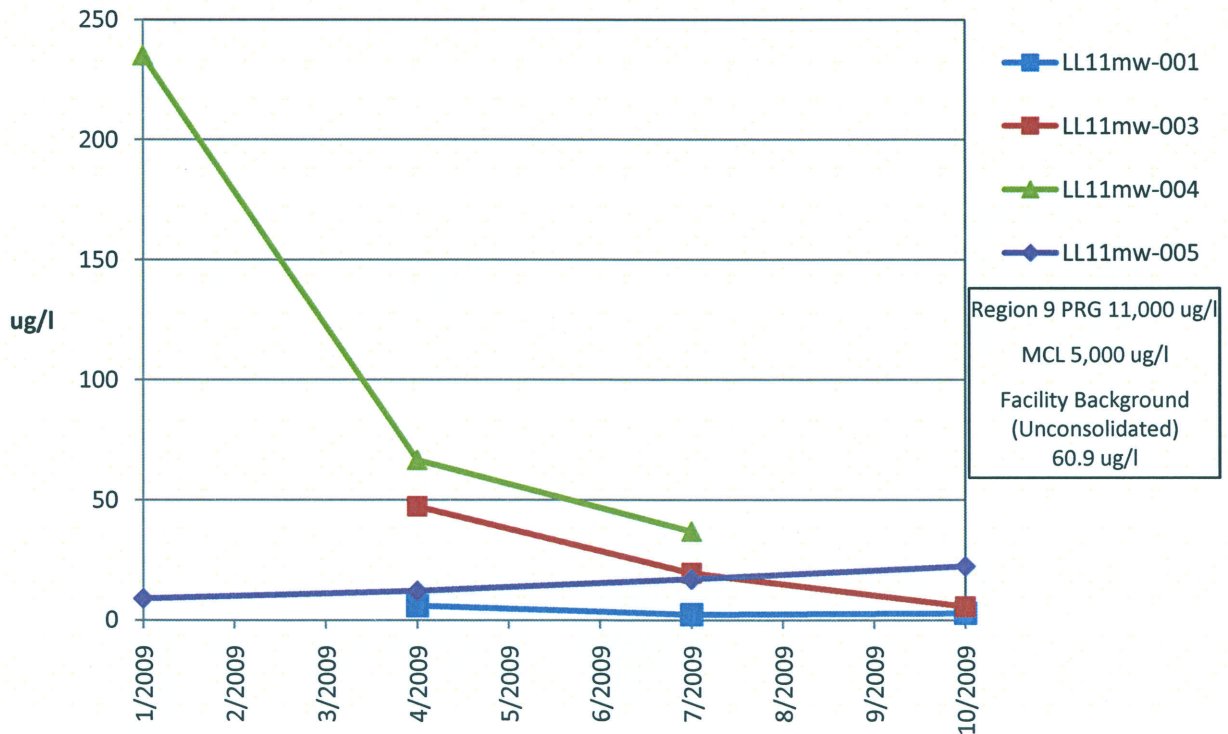
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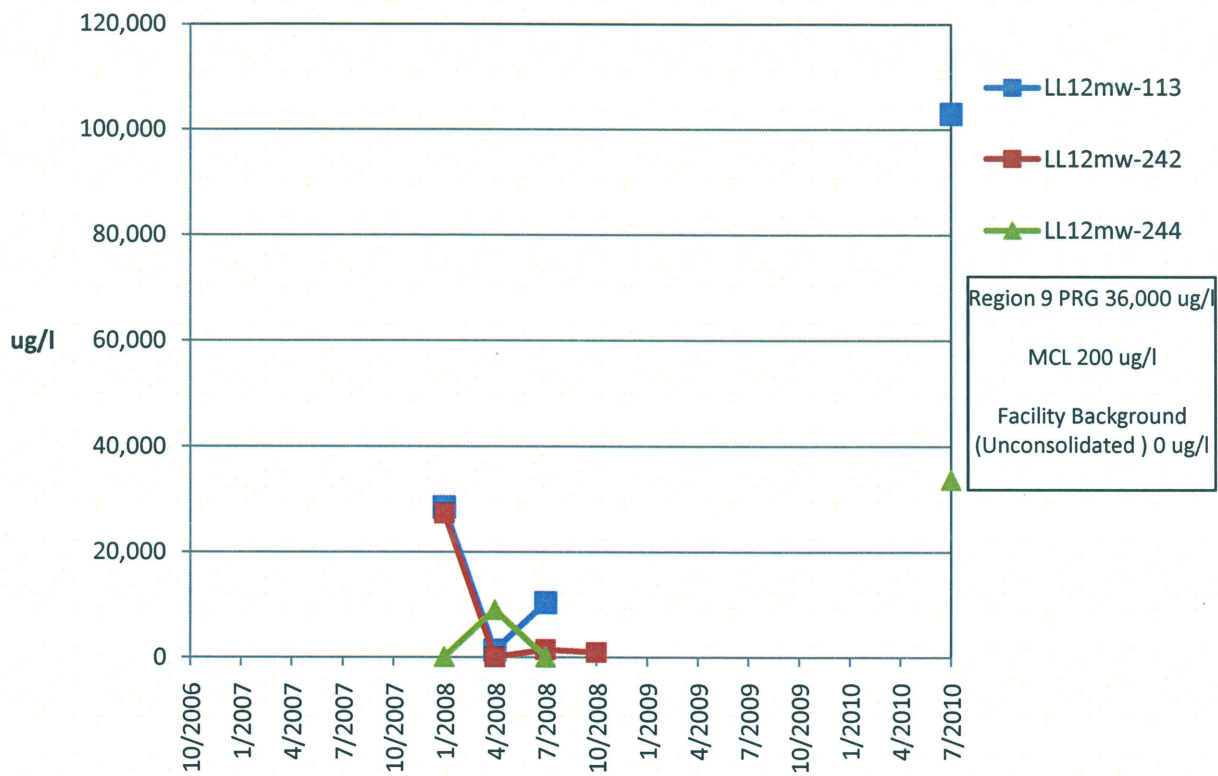
Load Line 11 Nickel



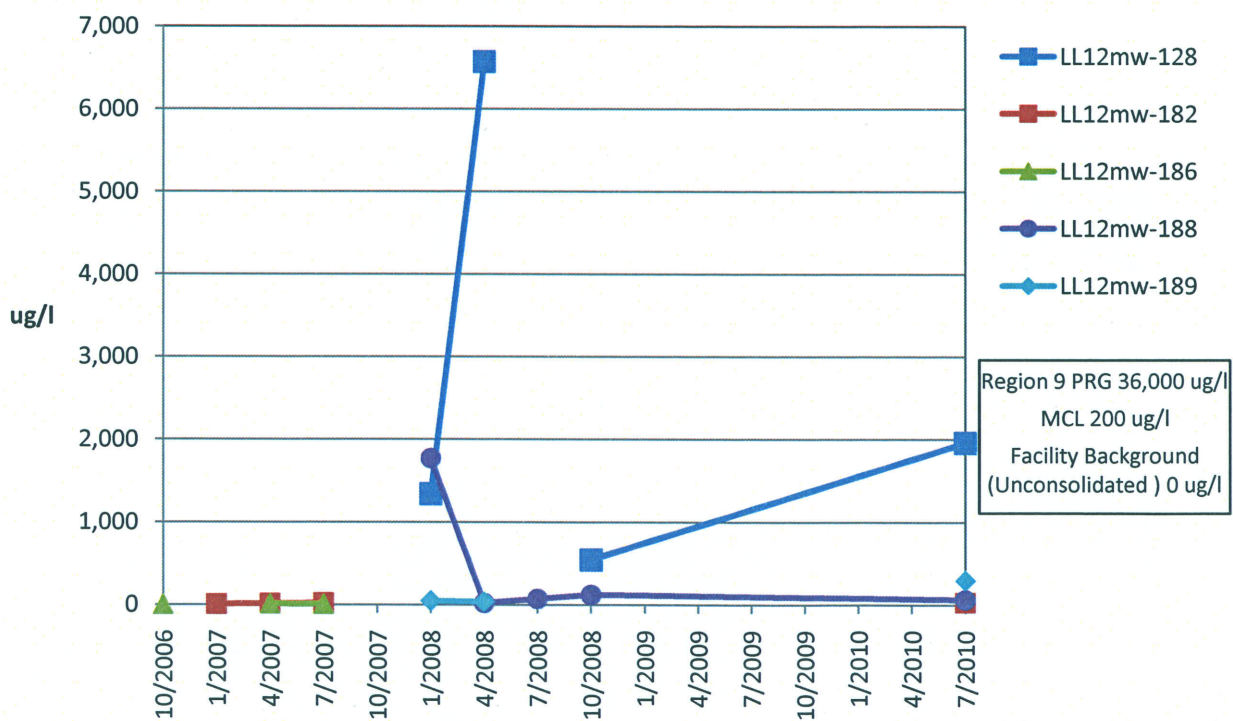
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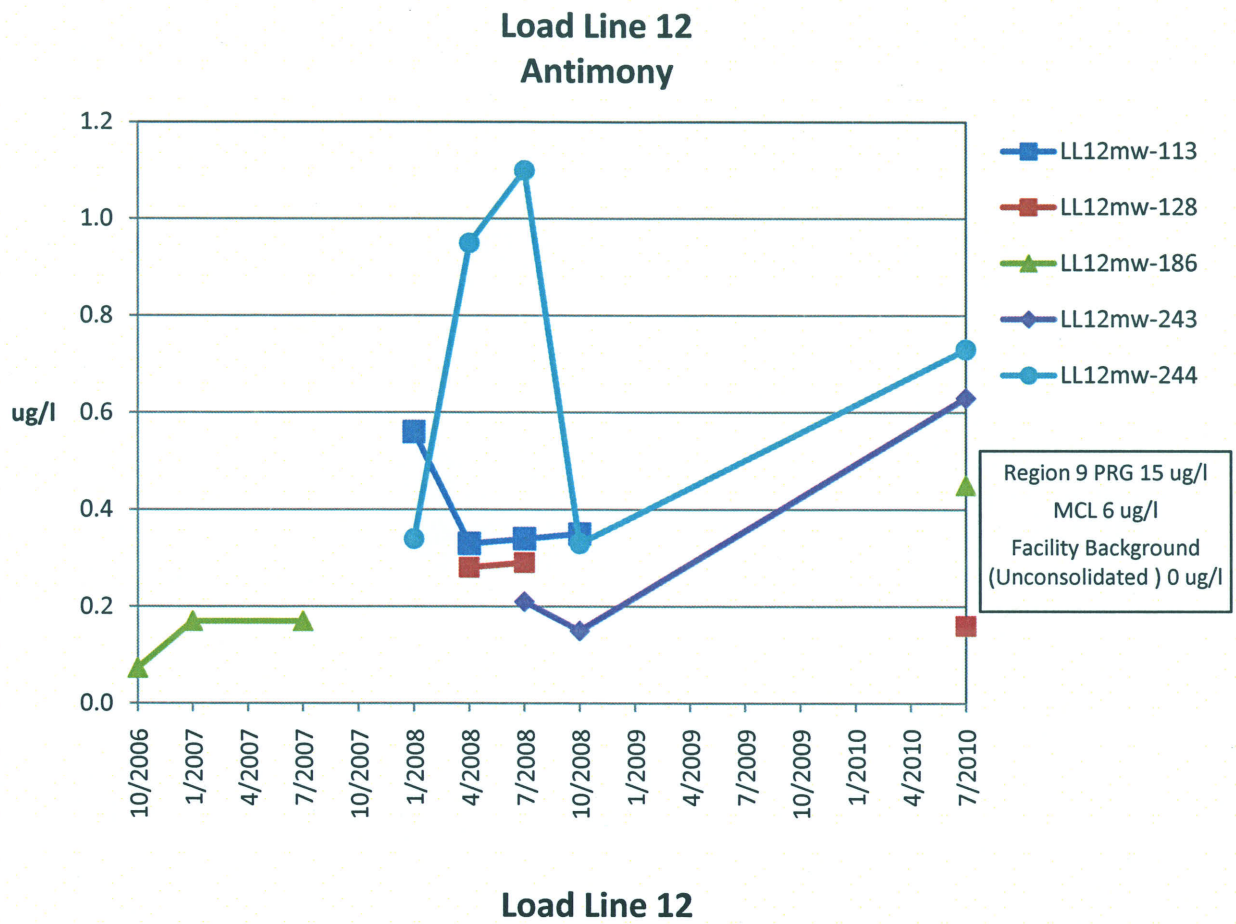


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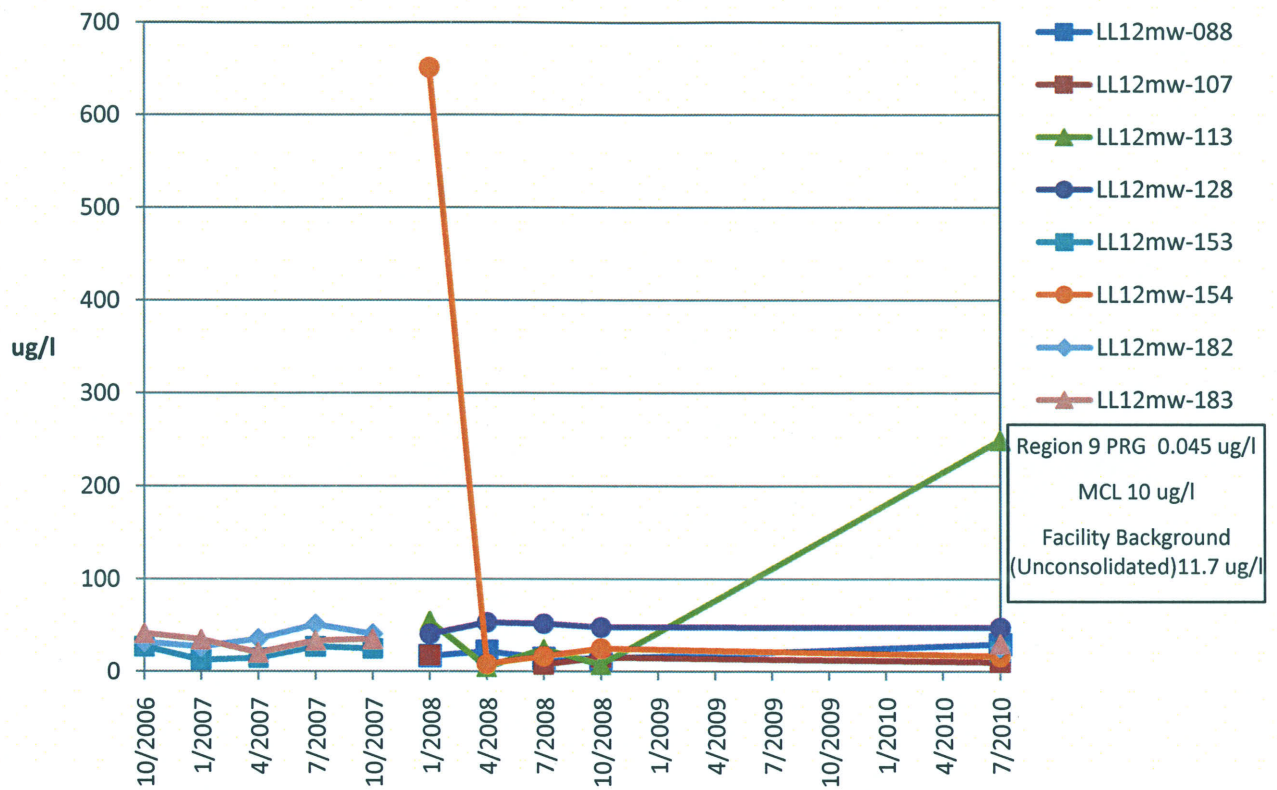


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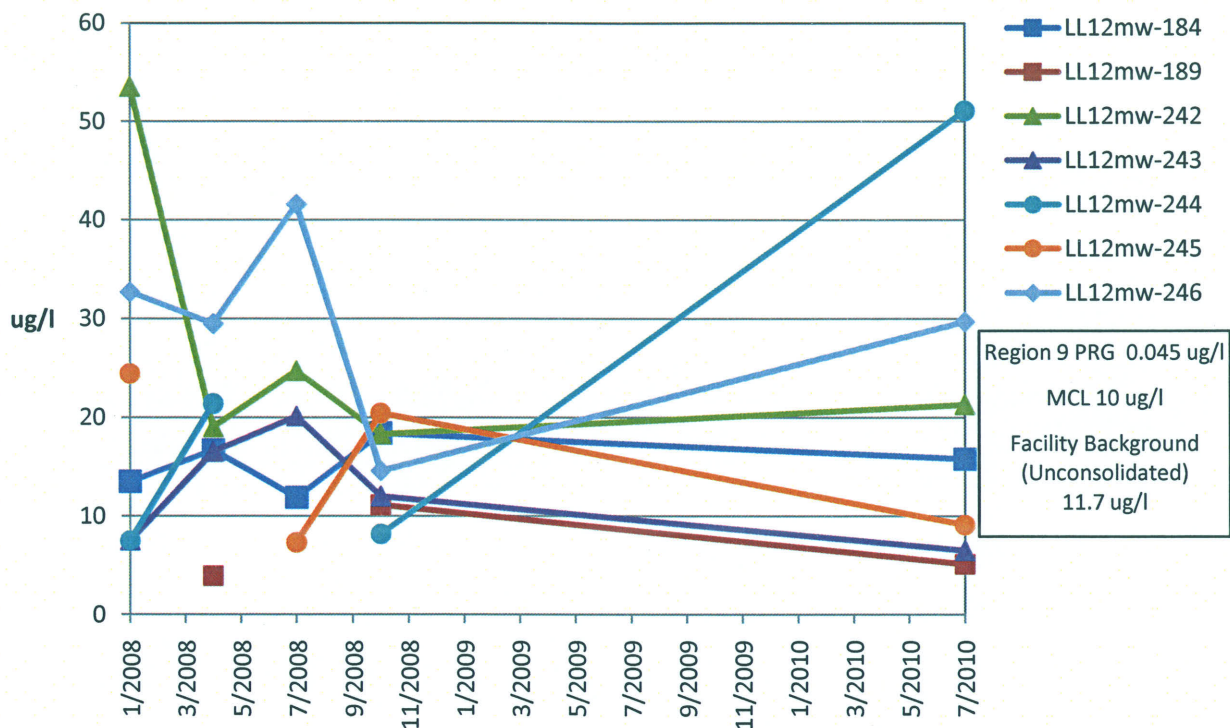




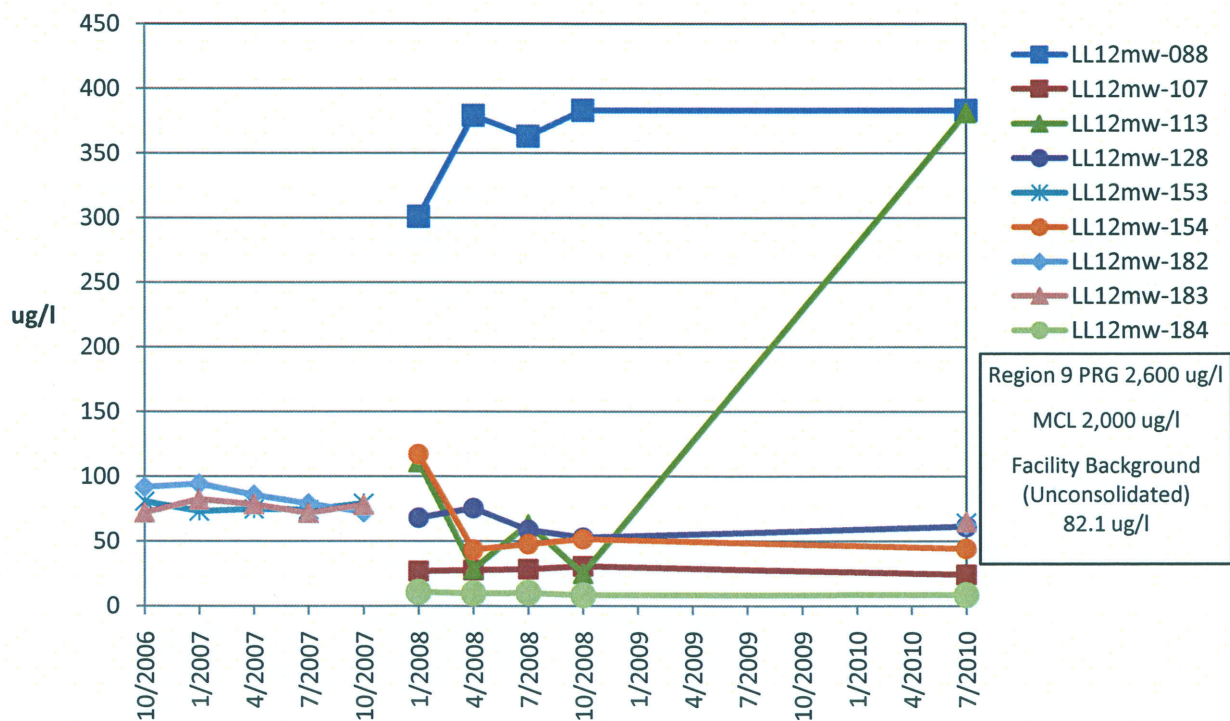
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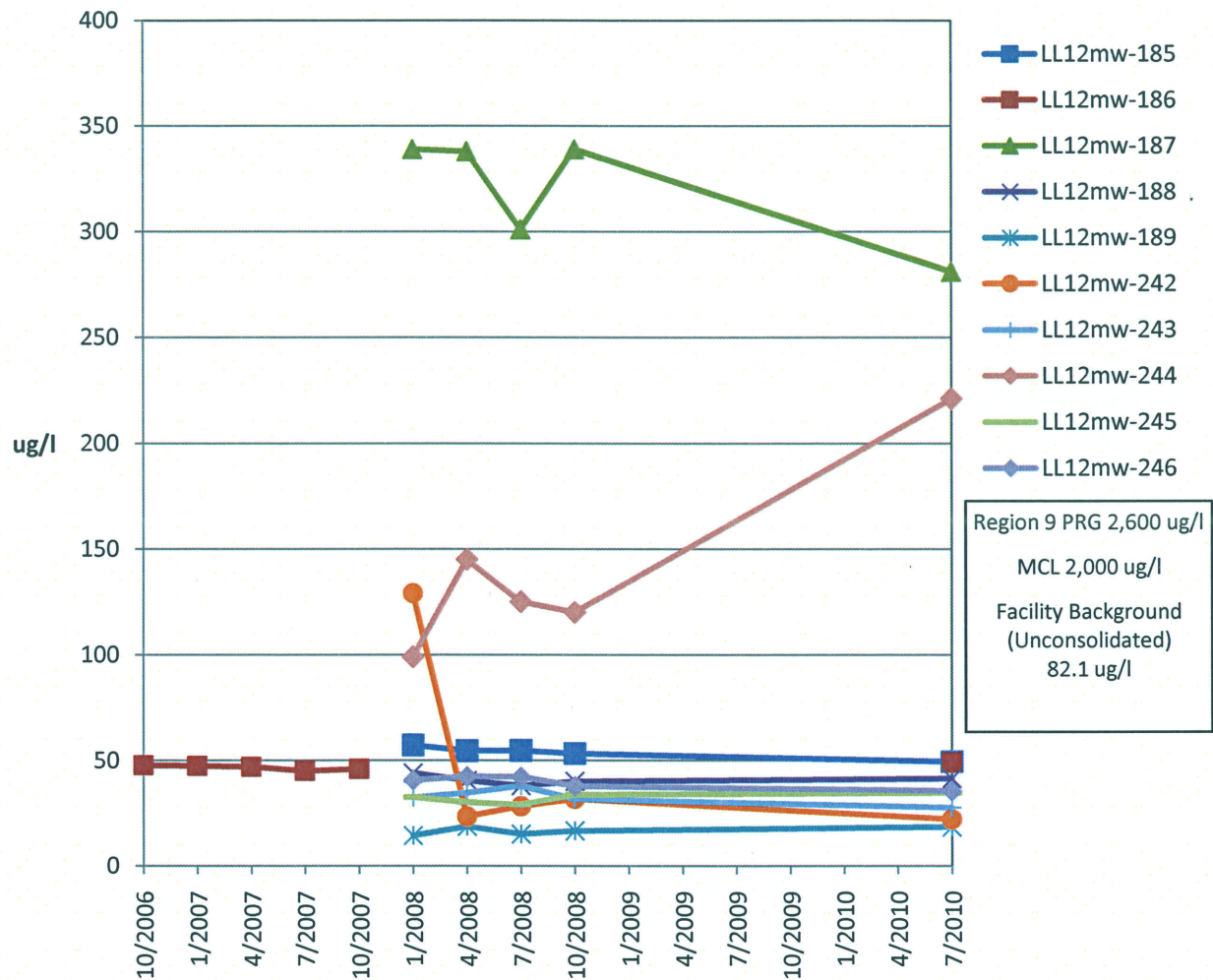
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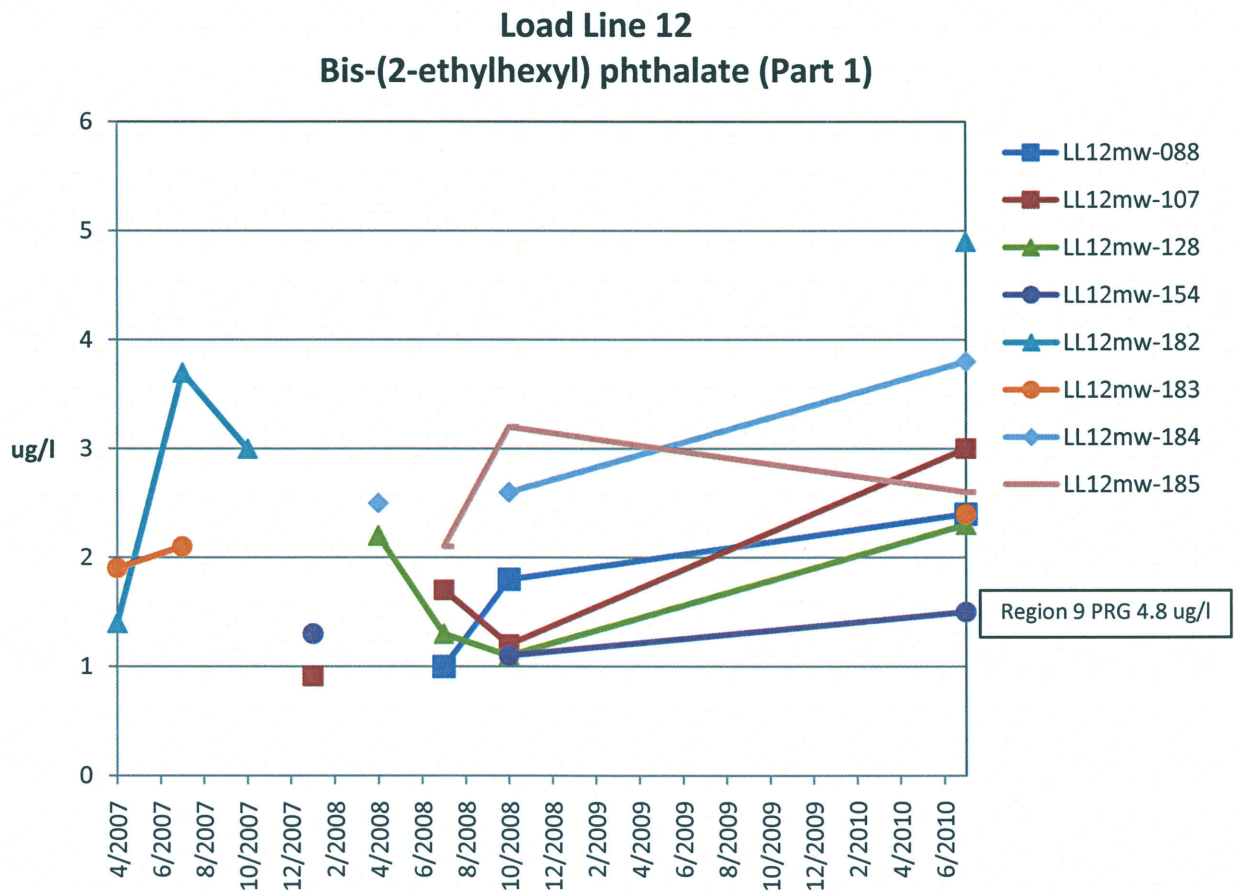
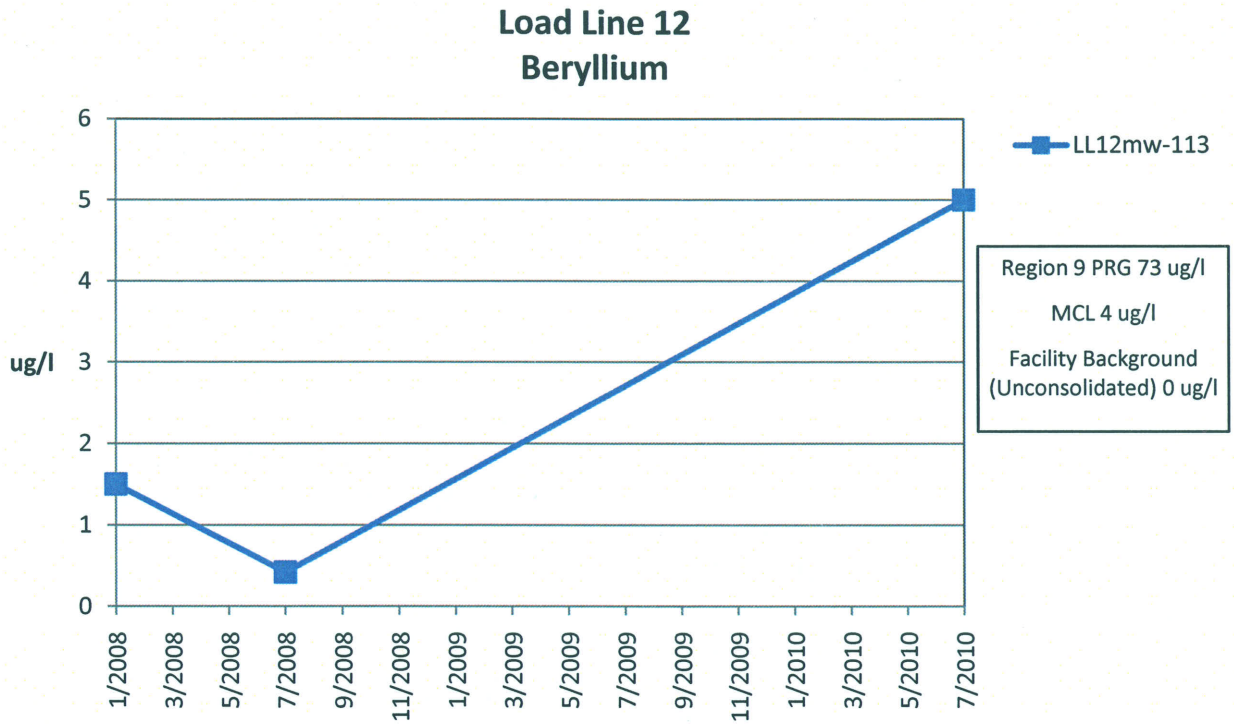


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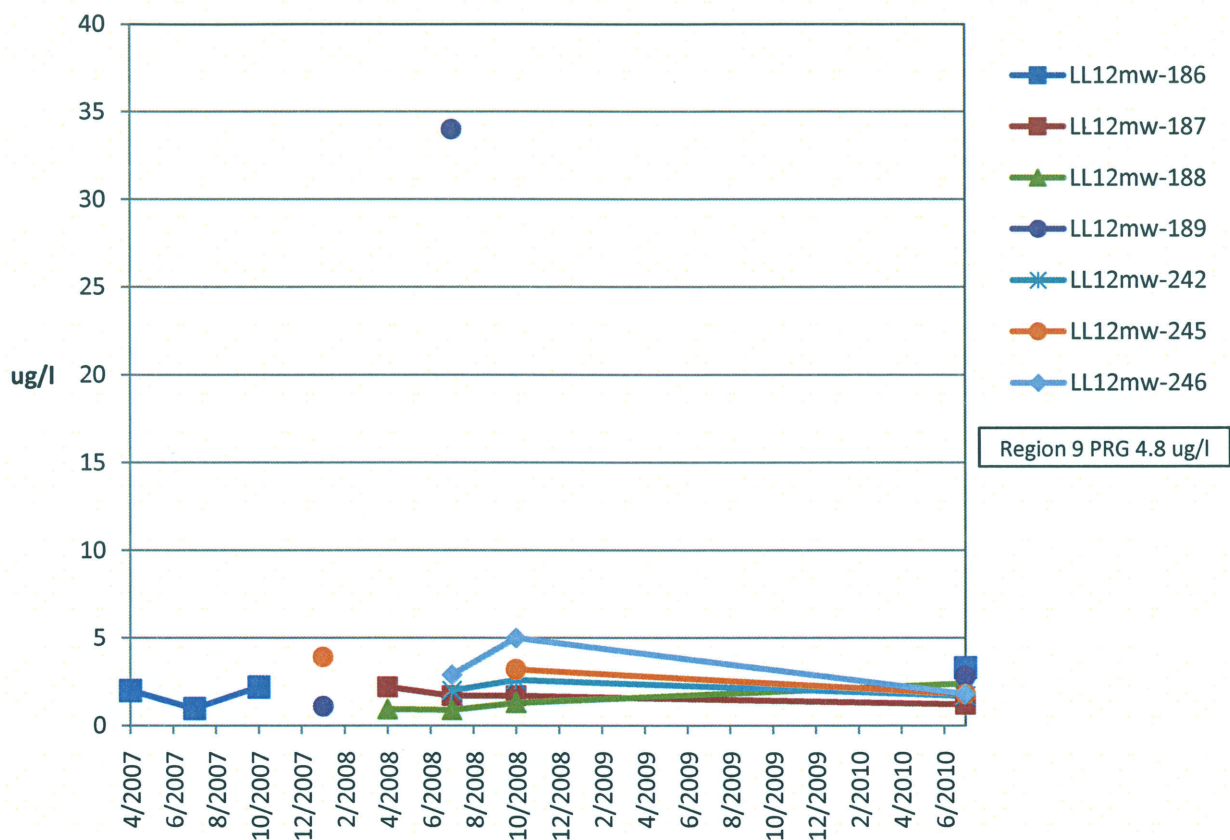


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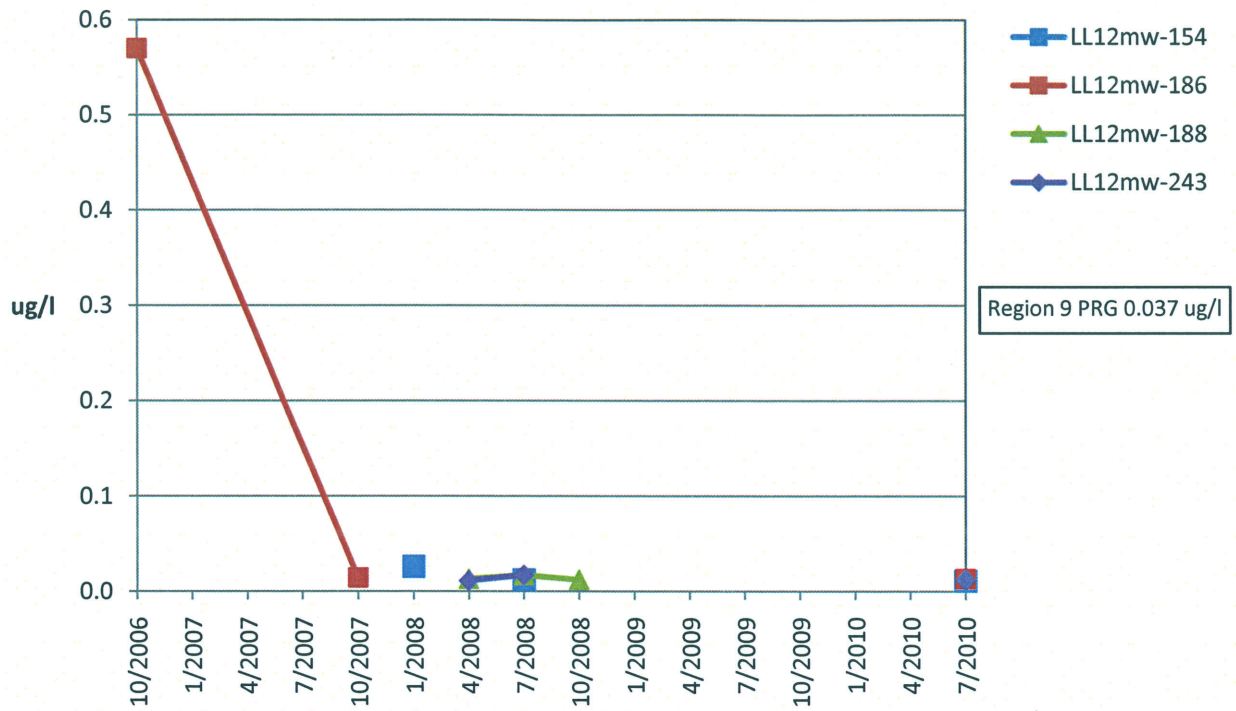




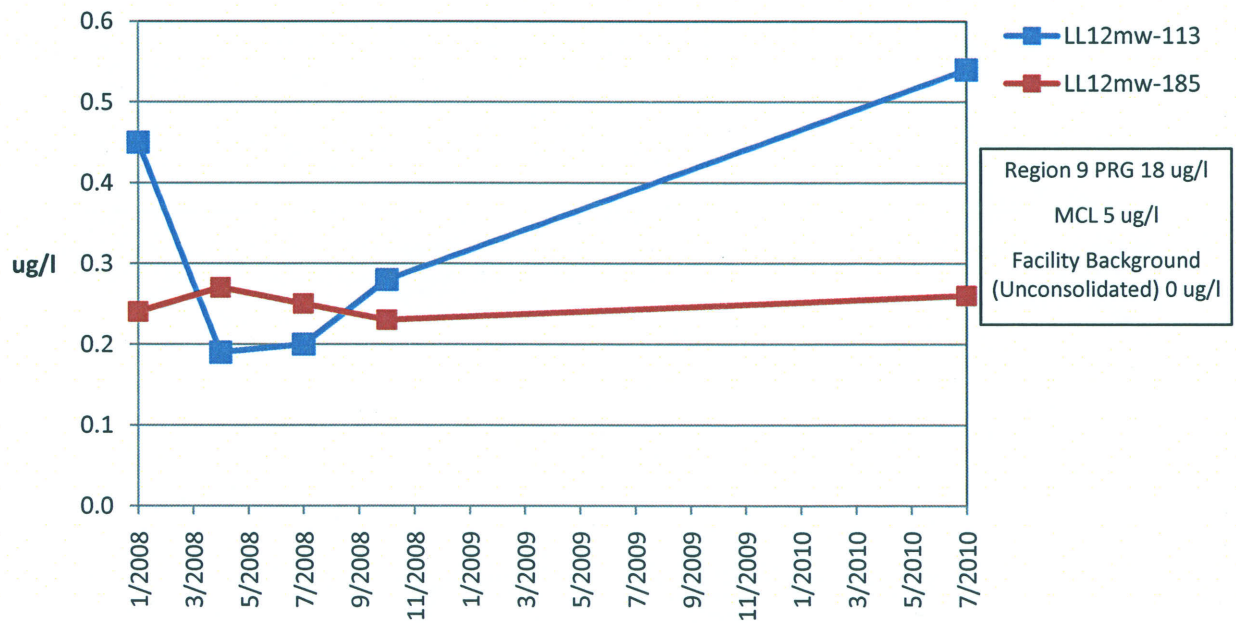
Load Line 12 **Bis-(2-ethylhexyl) phthalate (Part 2)**



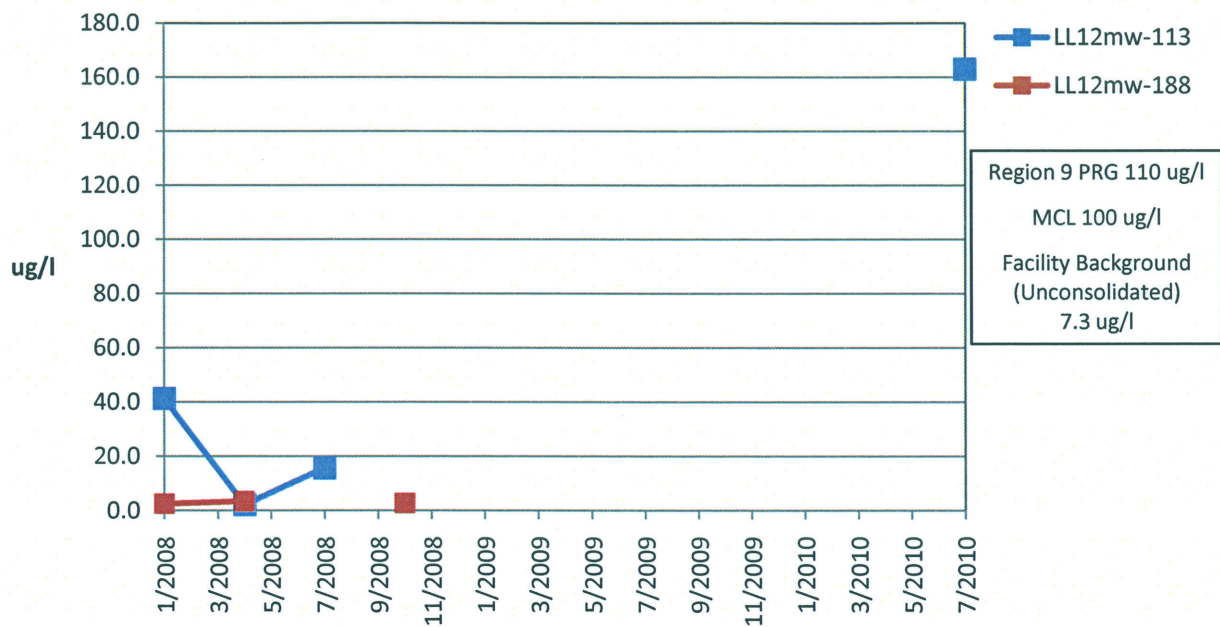
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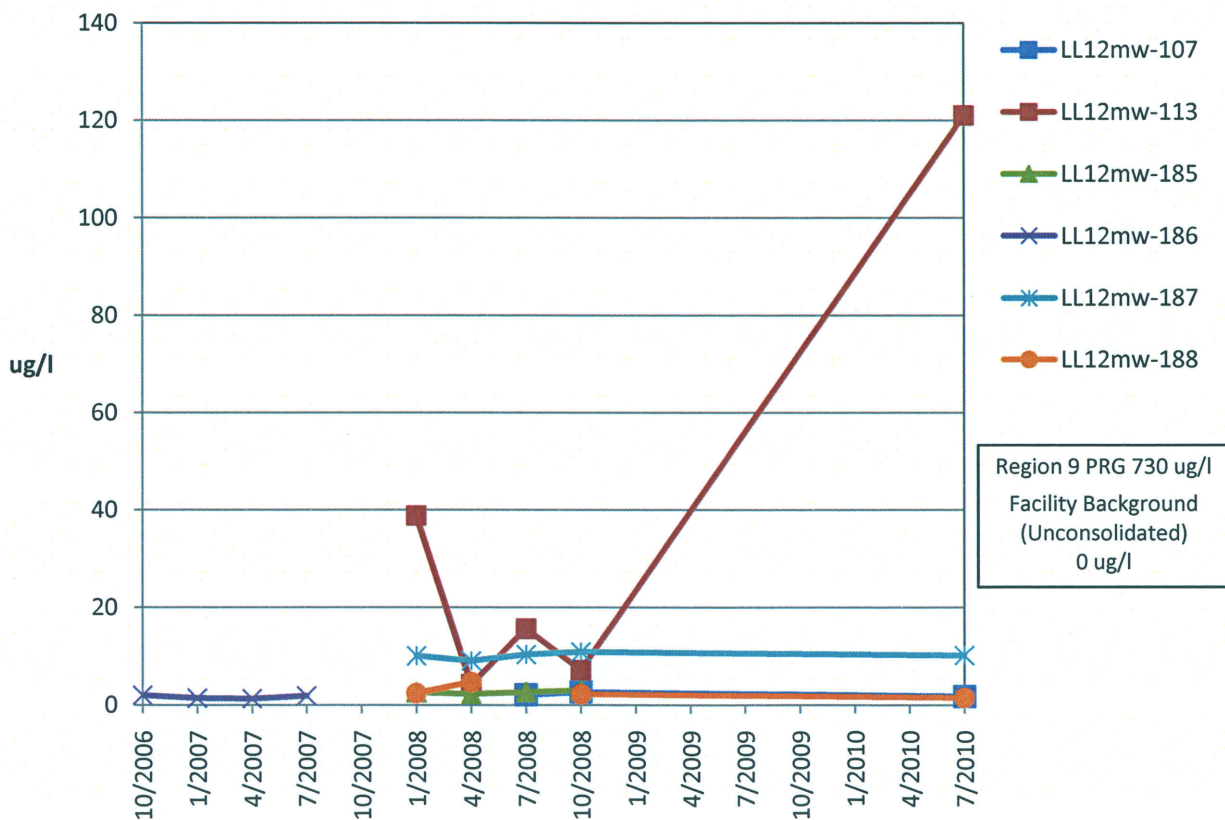
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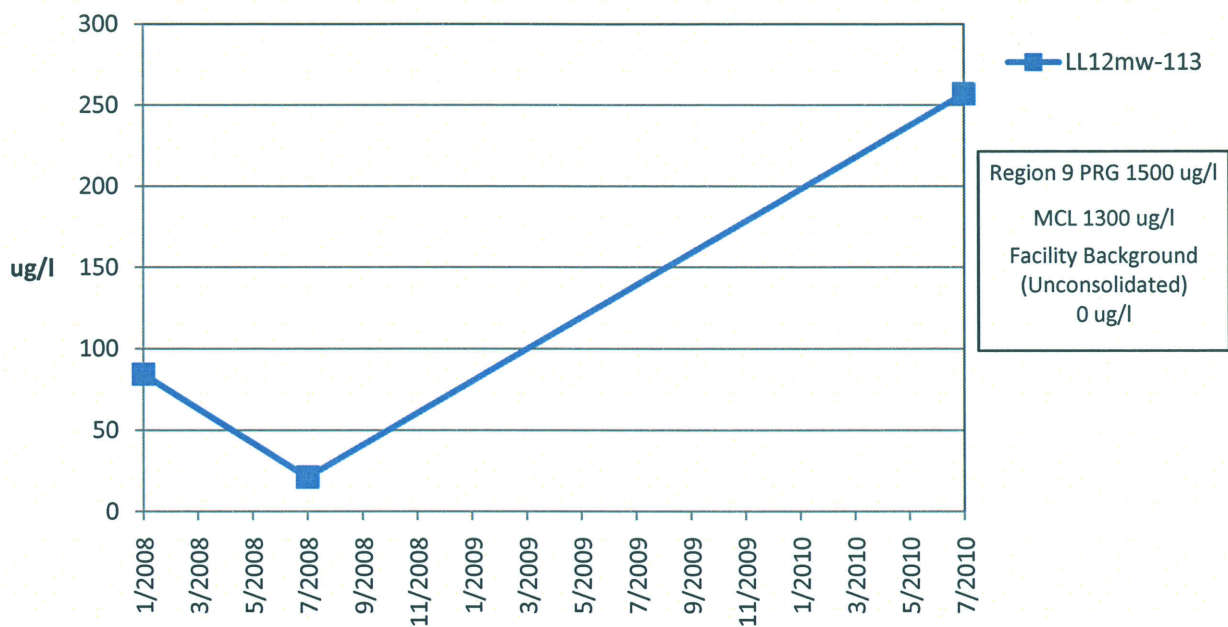
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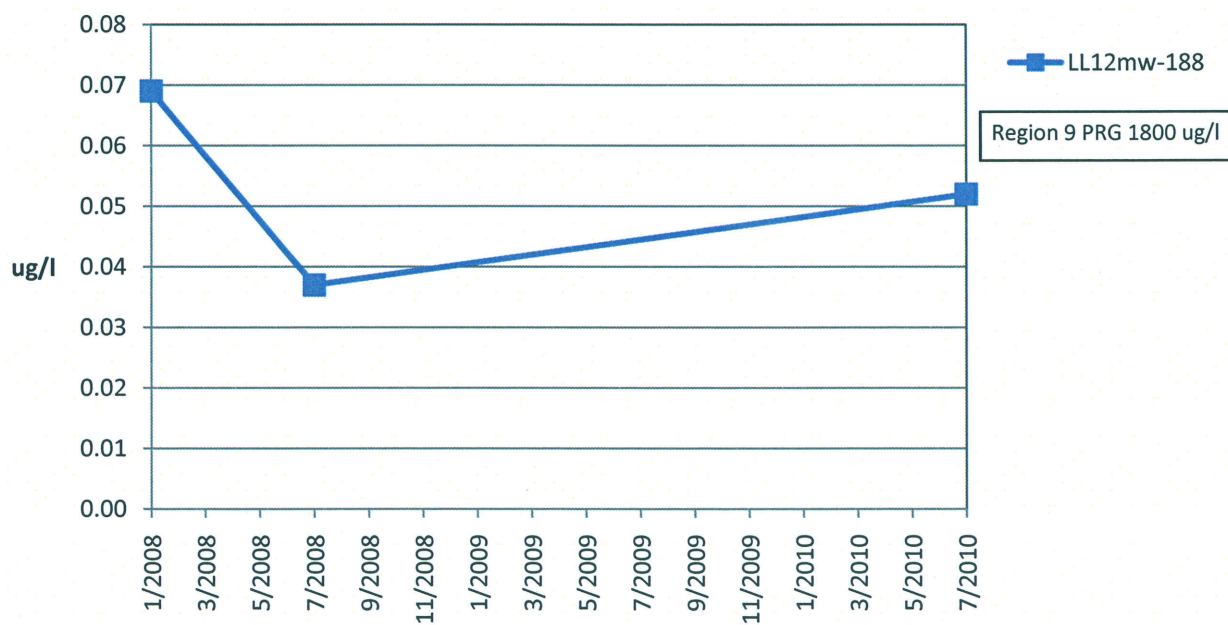
Load Line 12 Cobalt



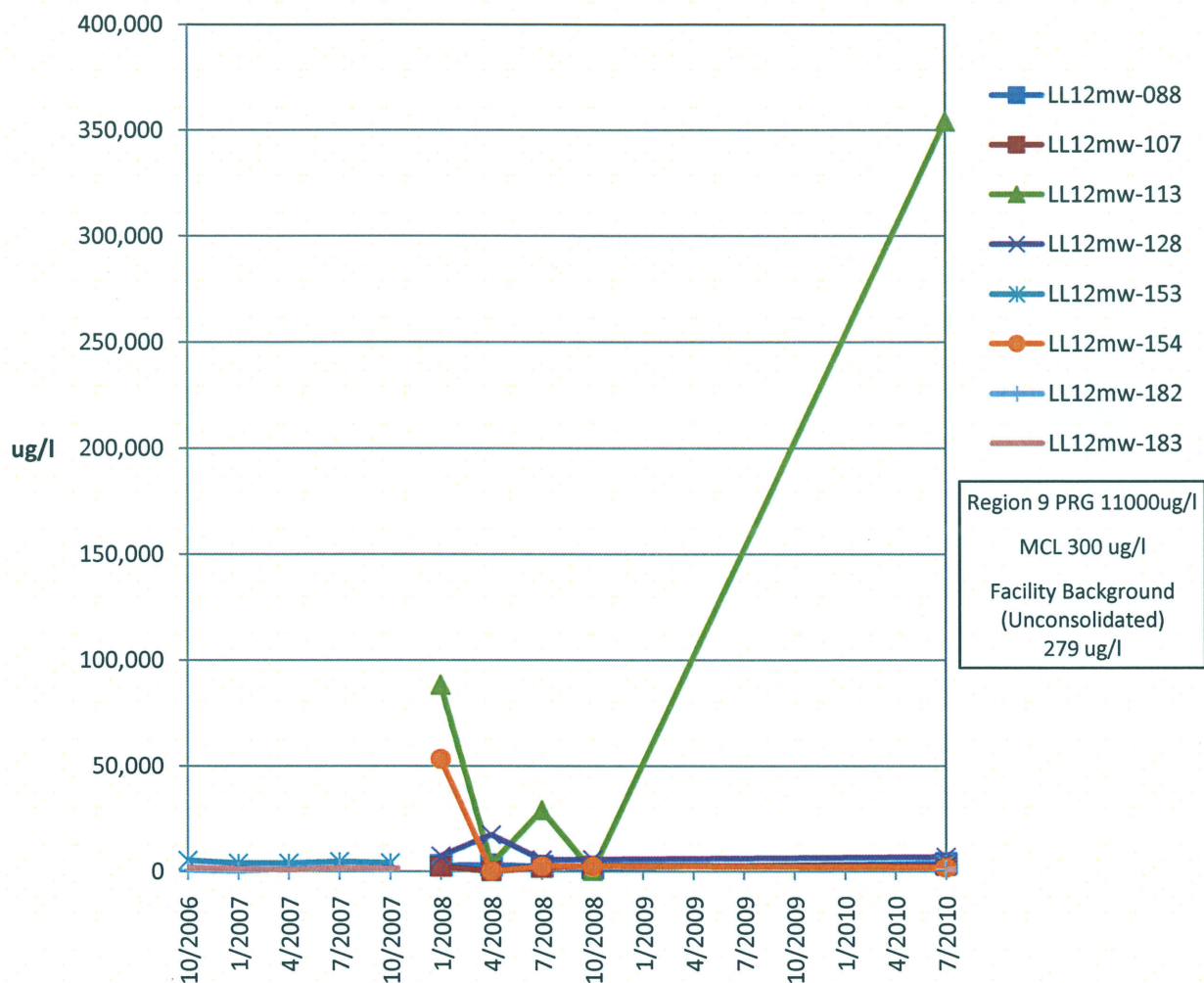
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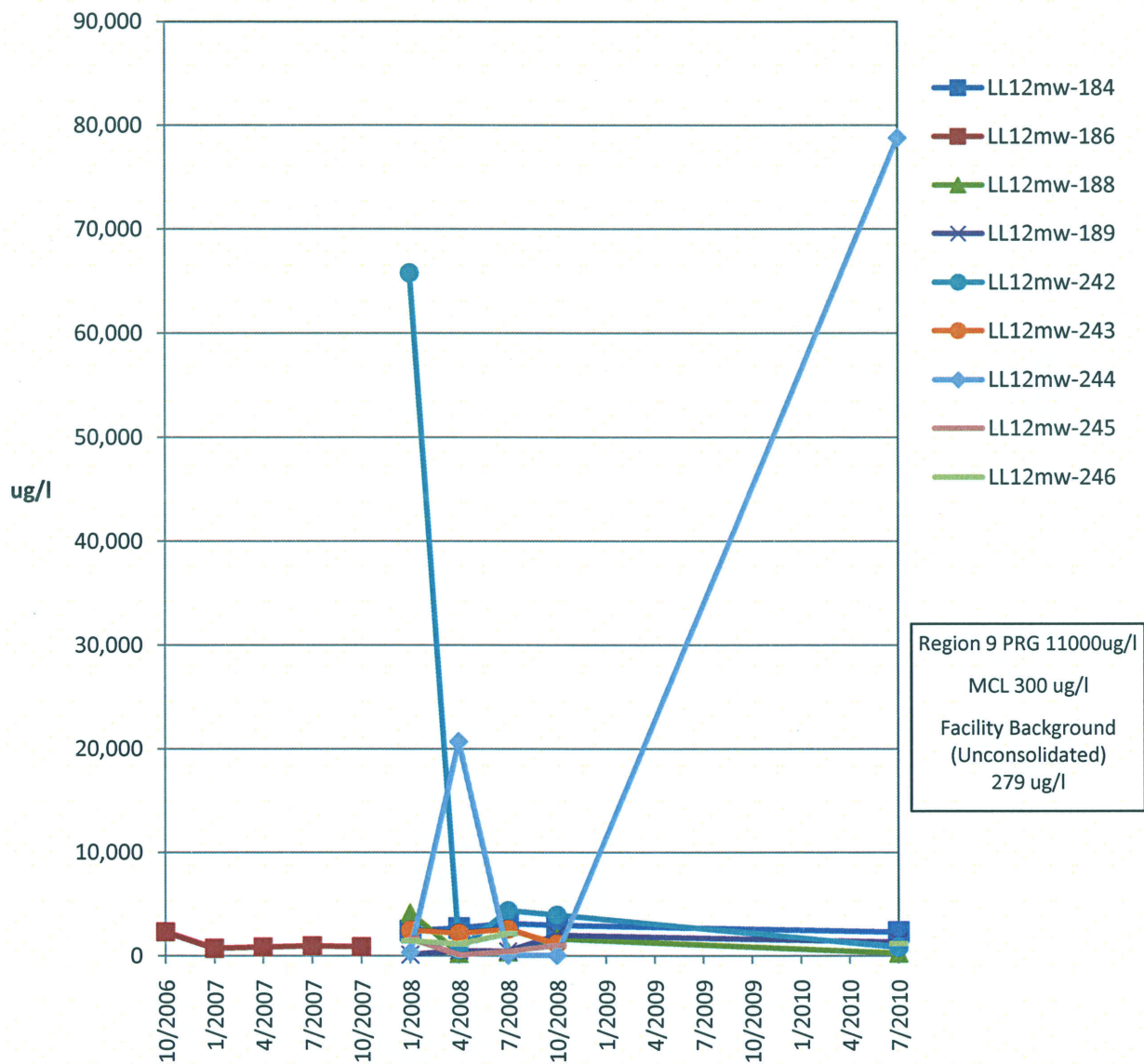
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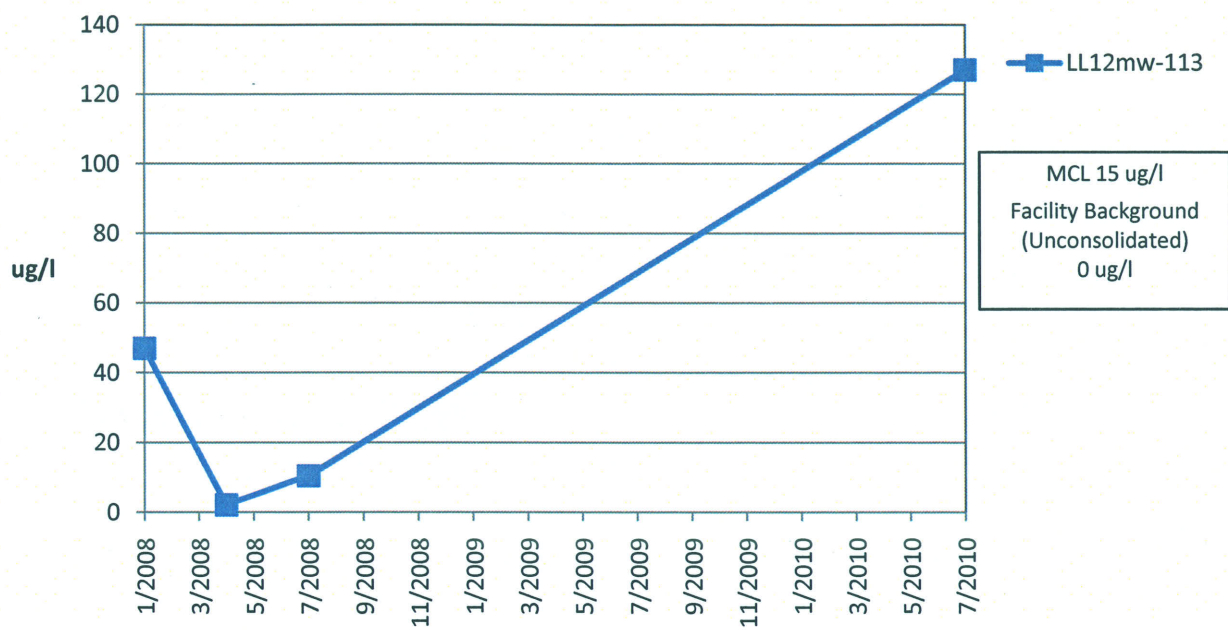
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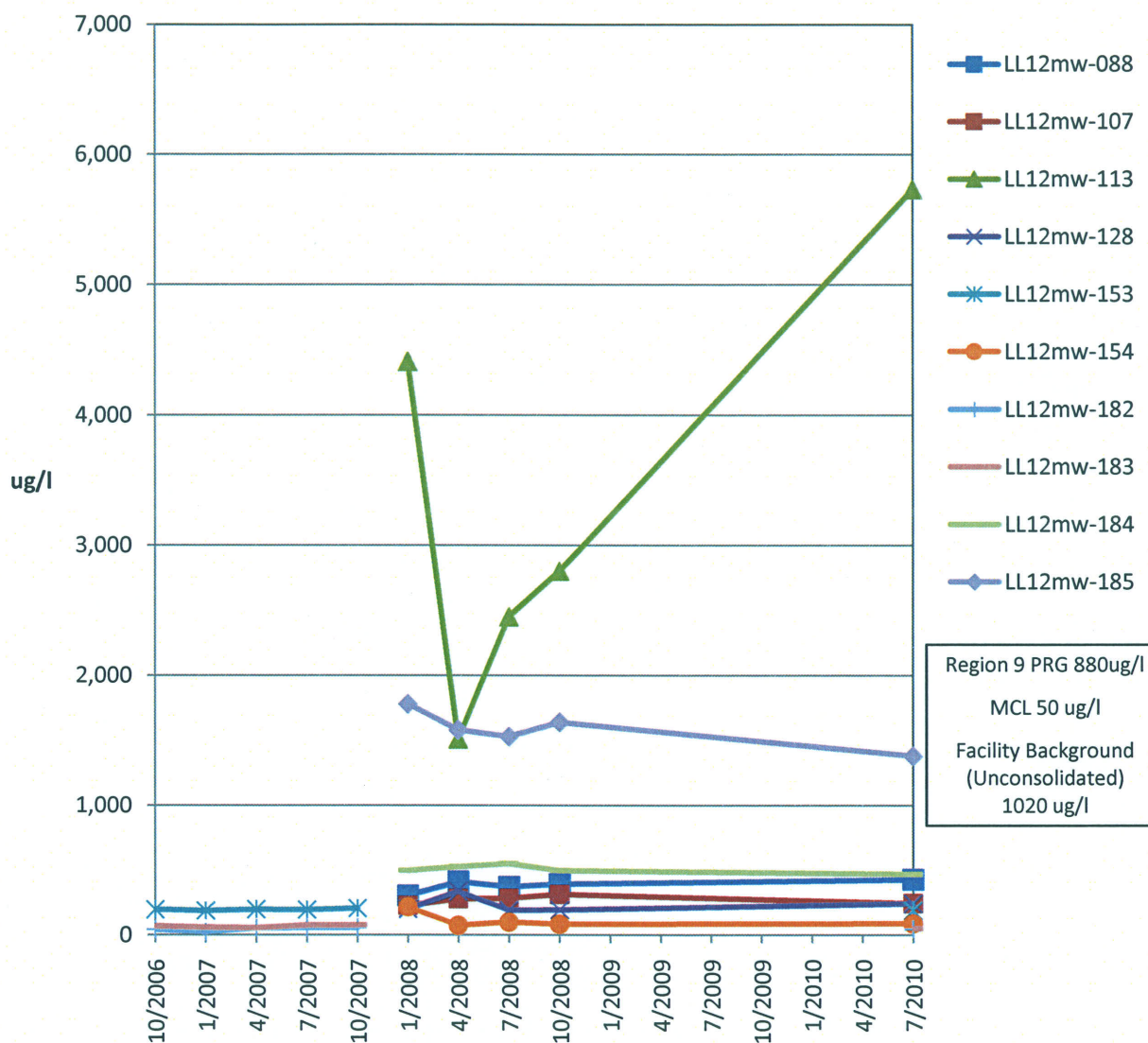
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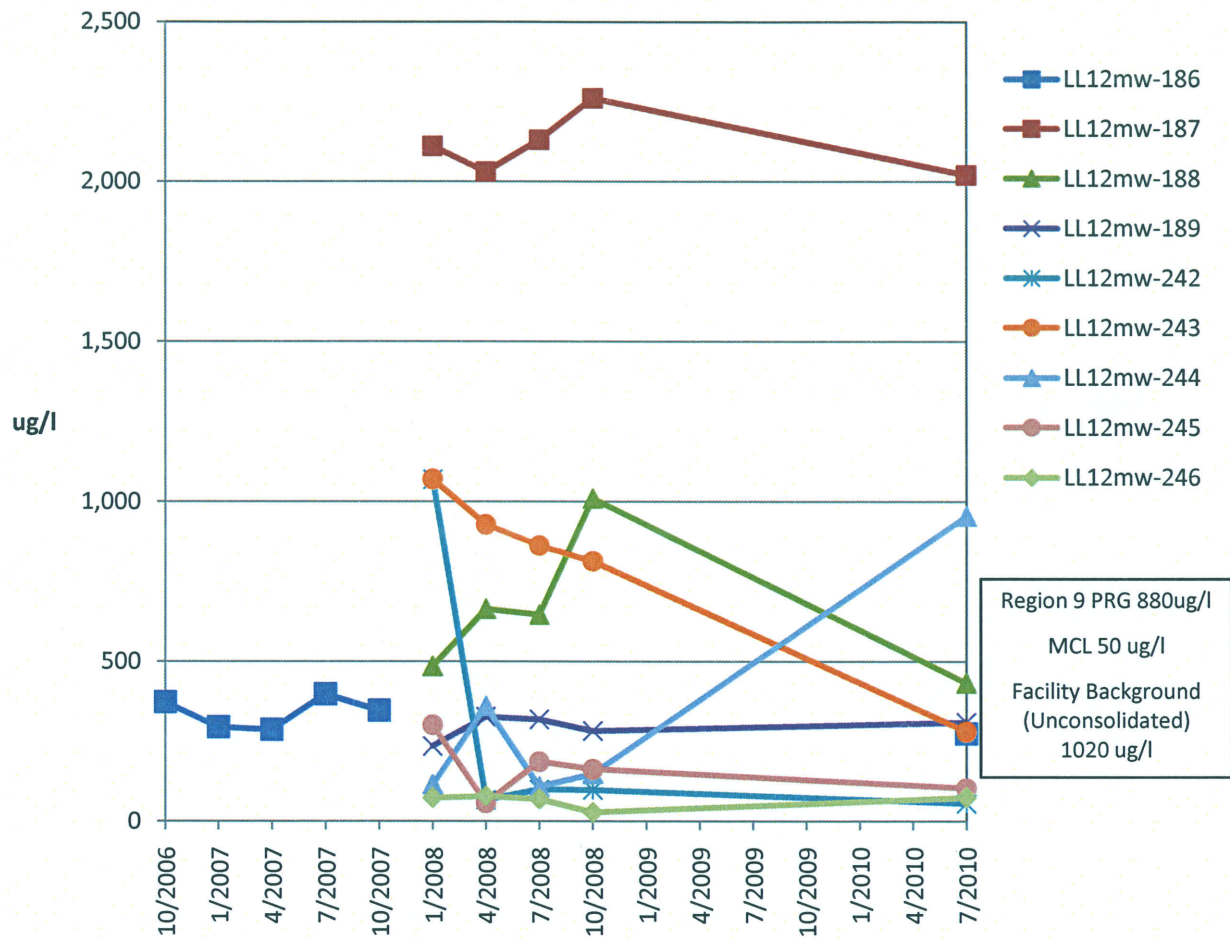
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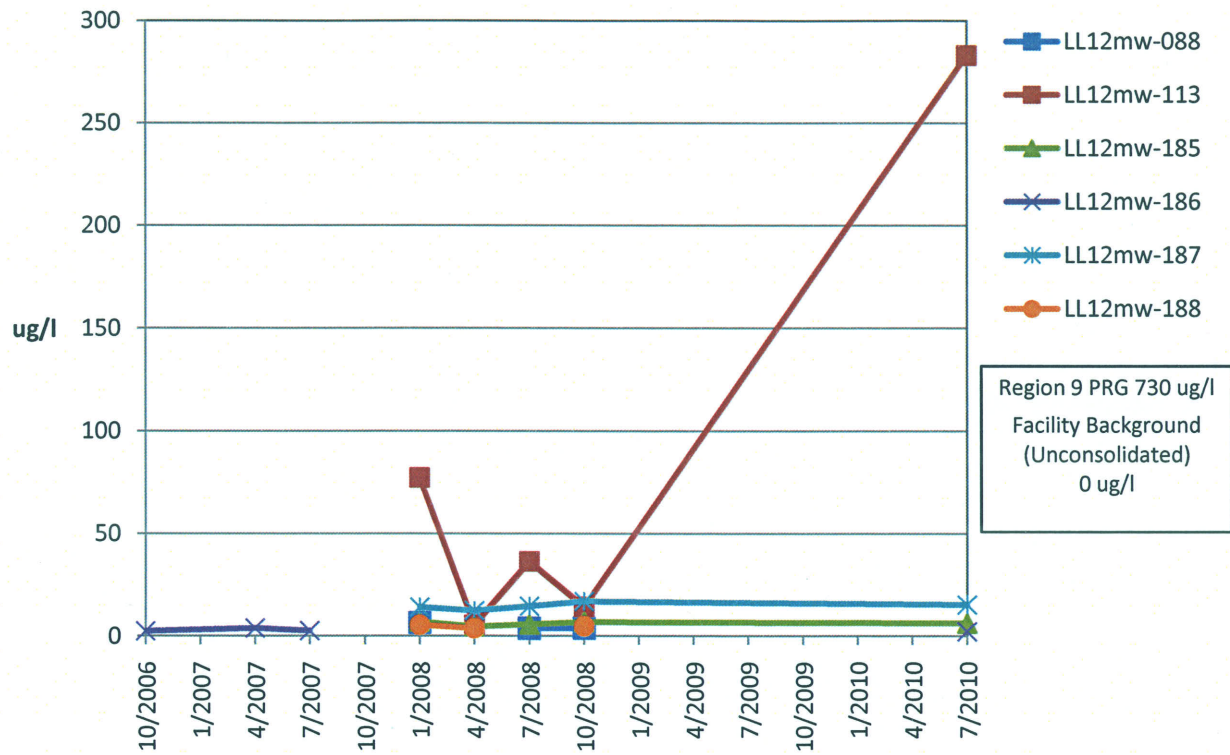
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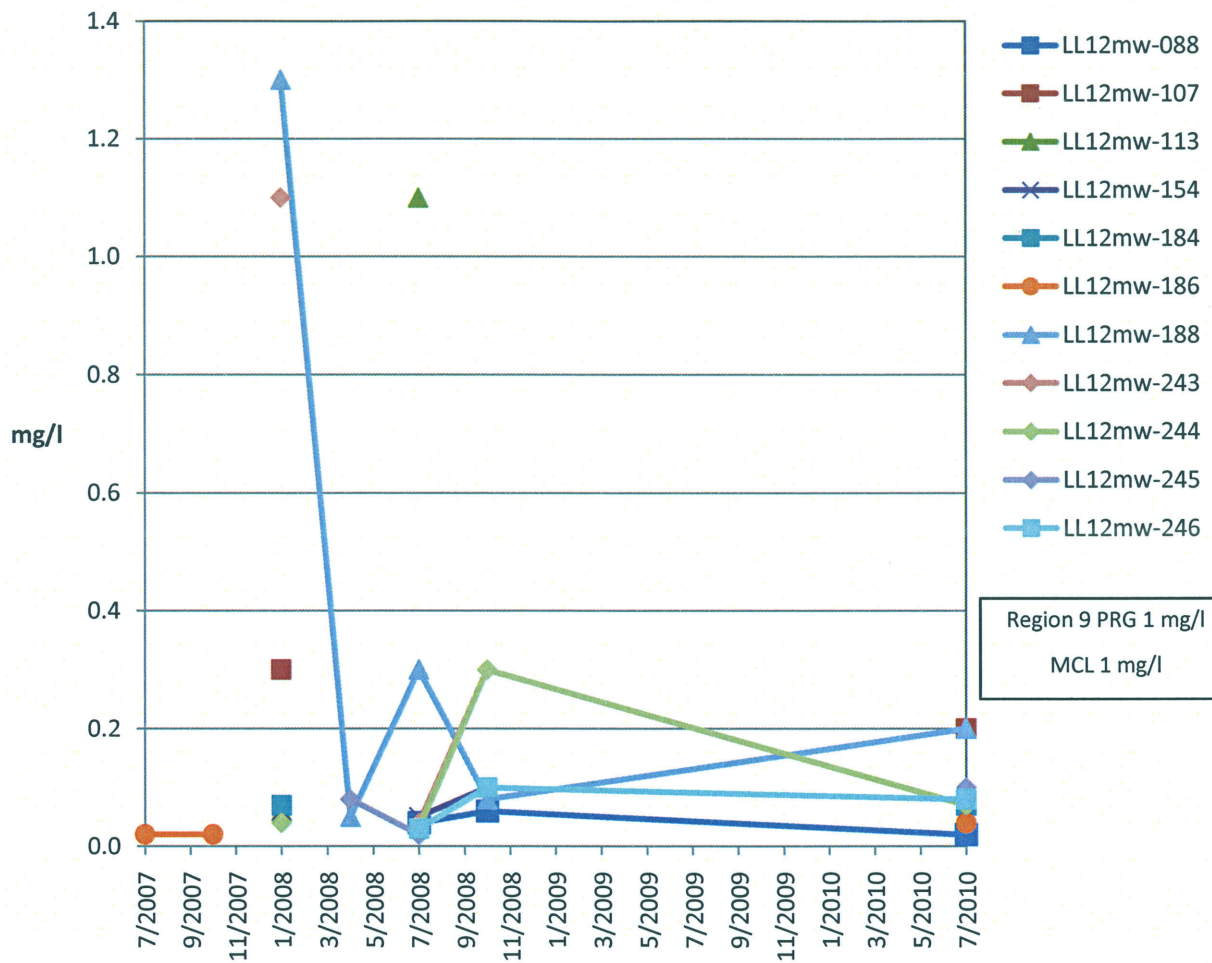
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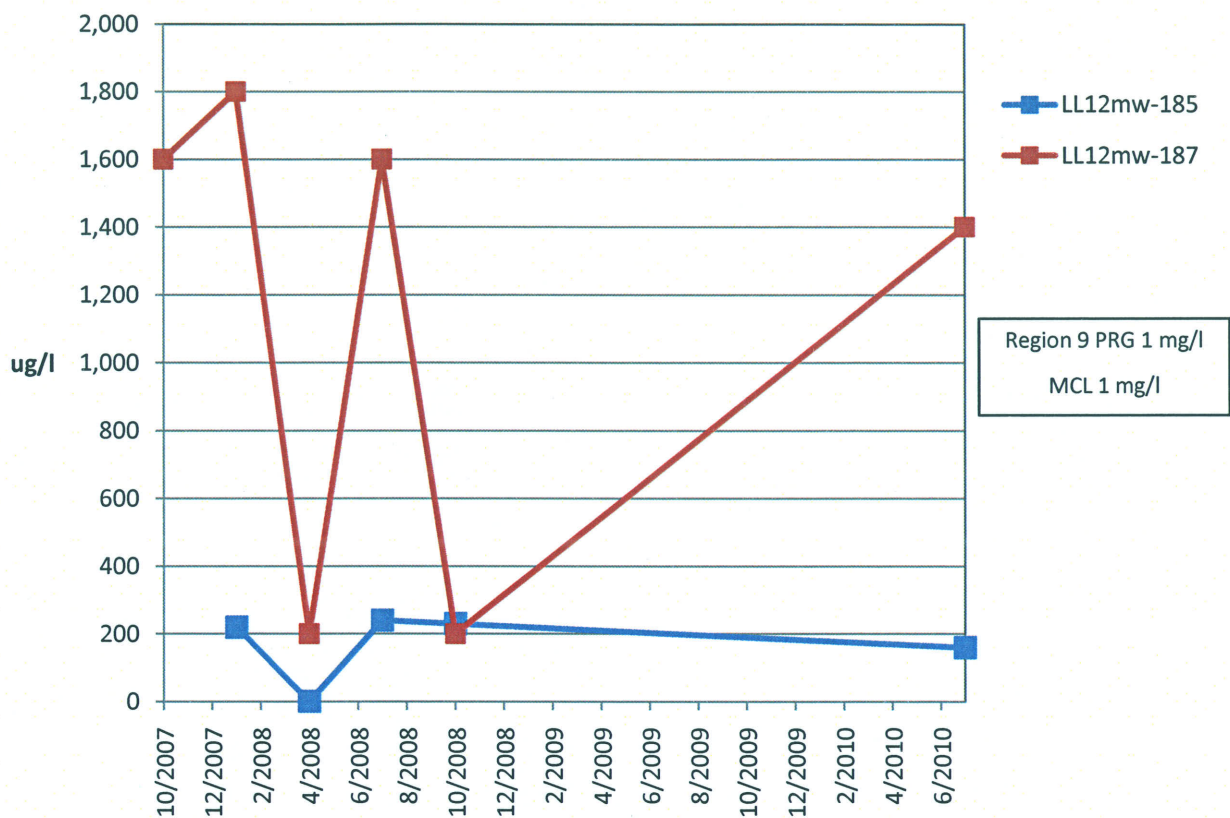
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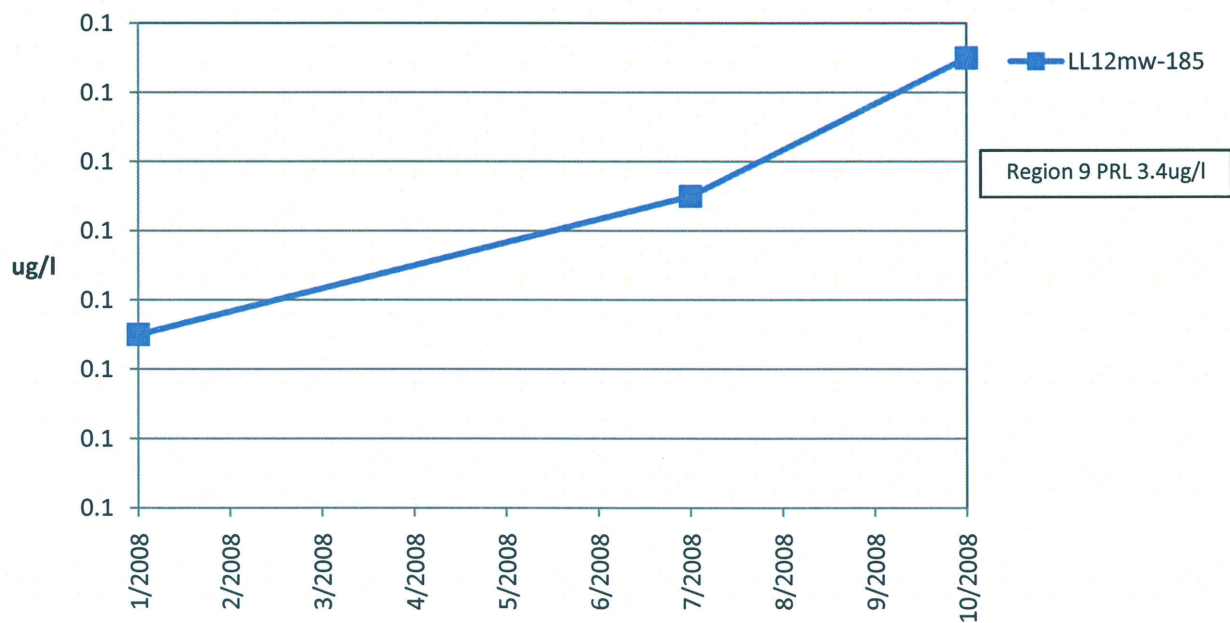
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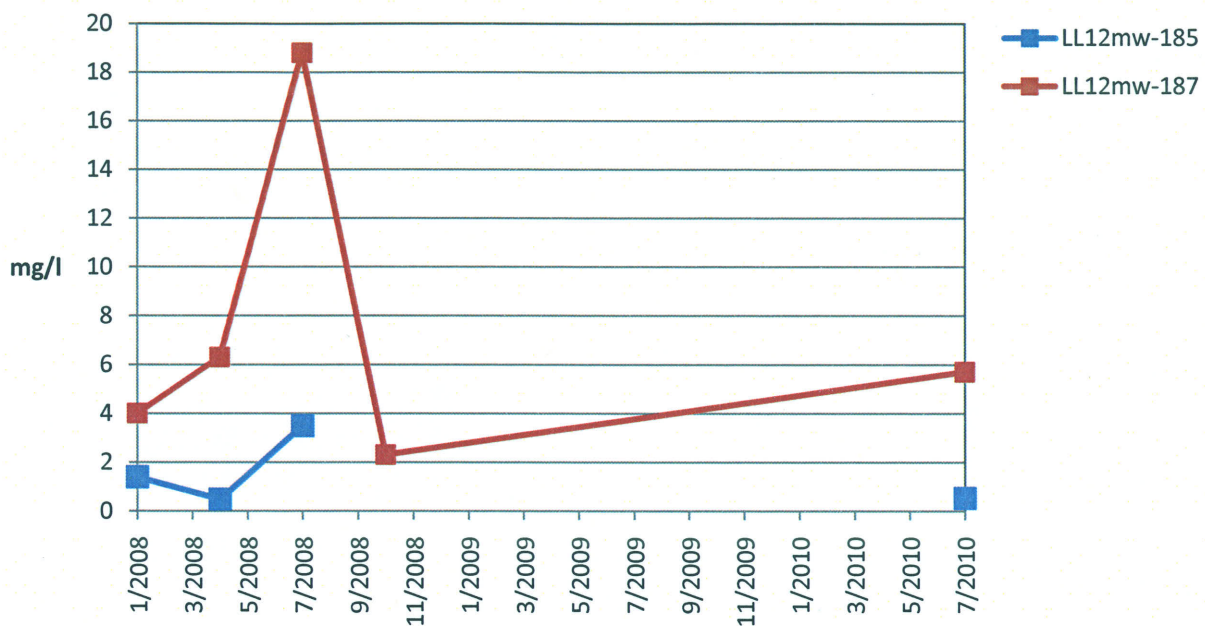
Load Line 12 Nitrate-Nitrite (Part 2)



Load Line 12 Nitrobenzene



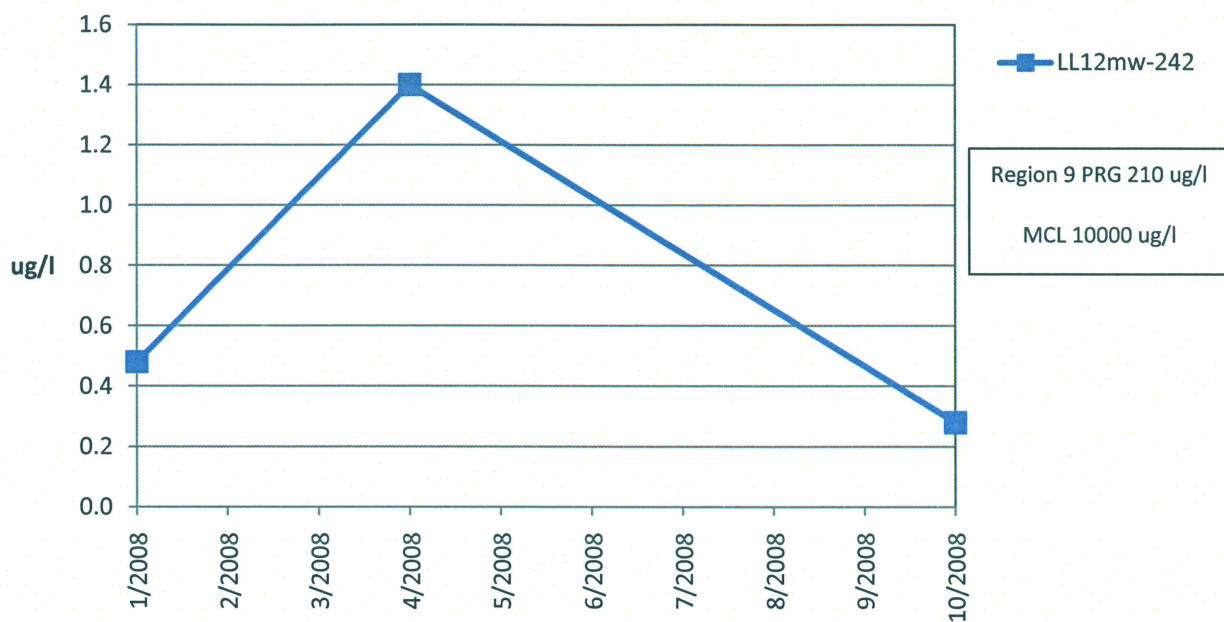
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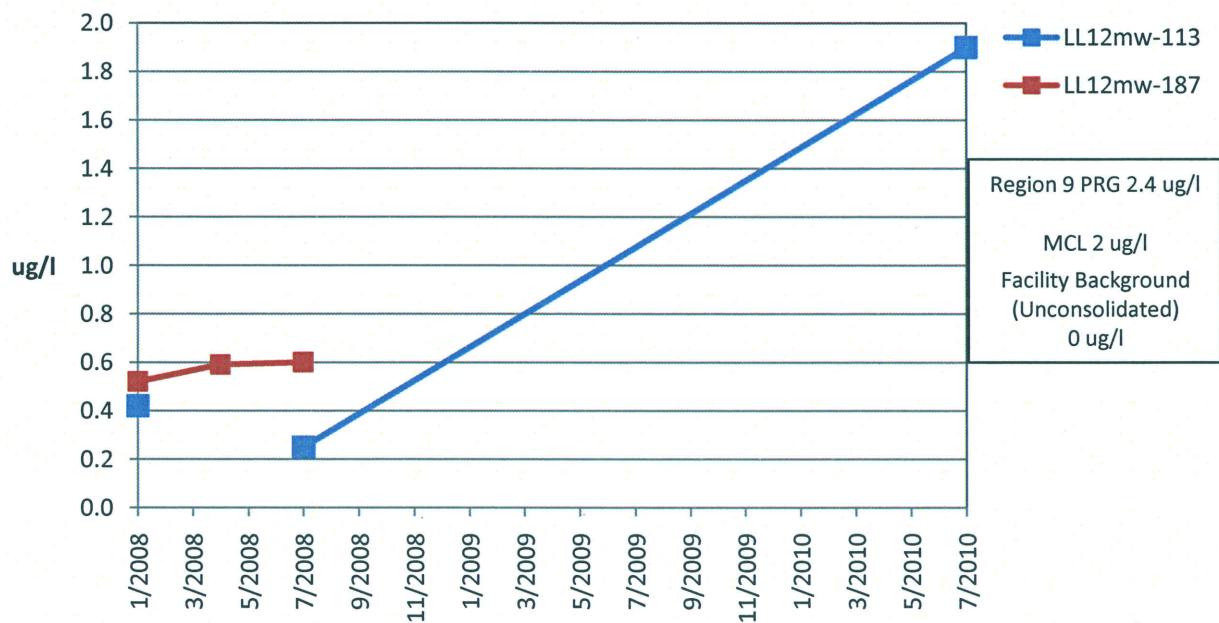
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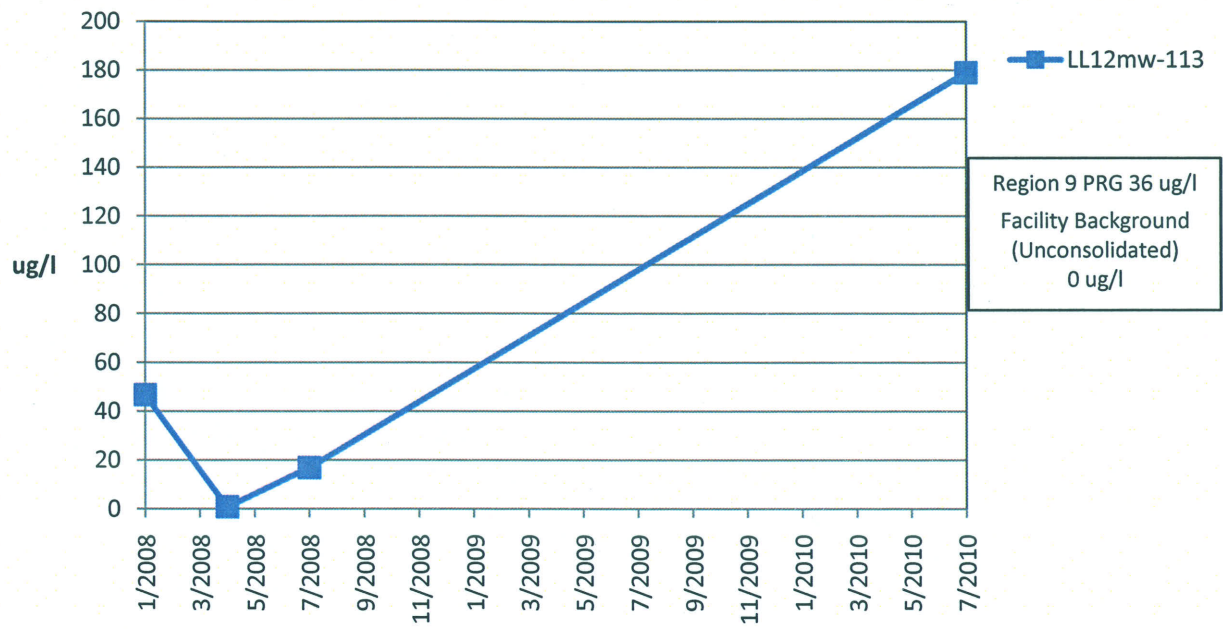
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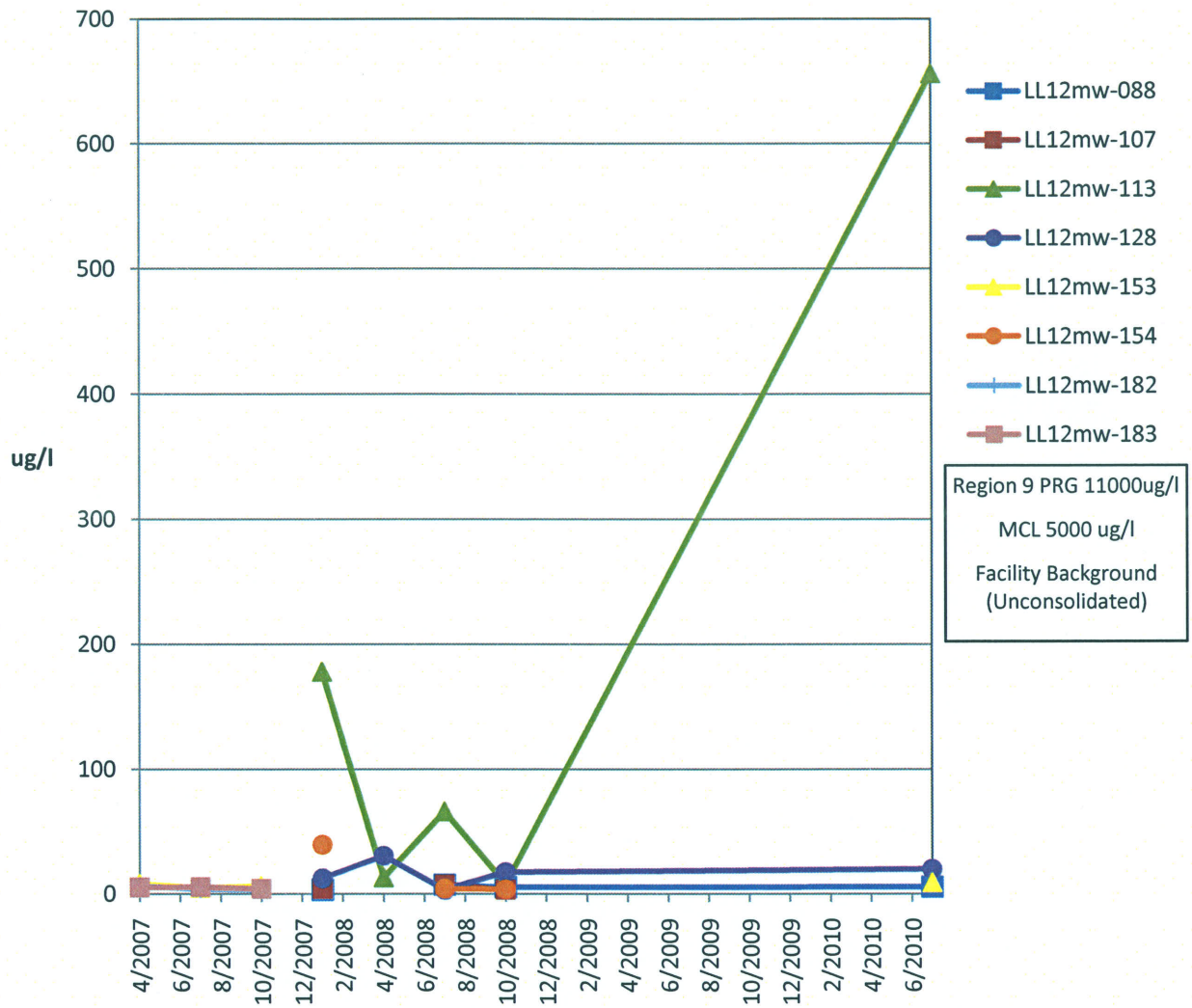
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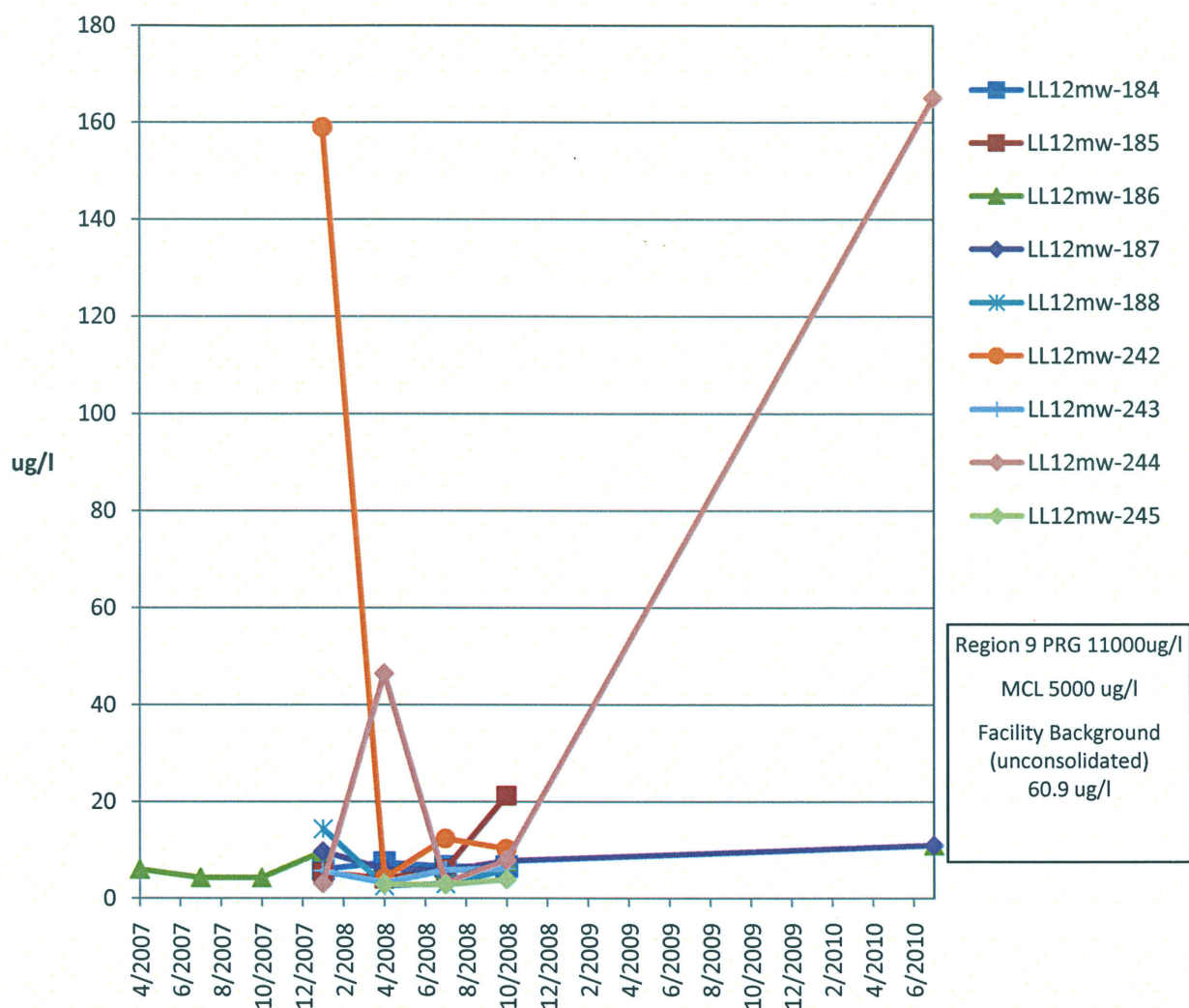
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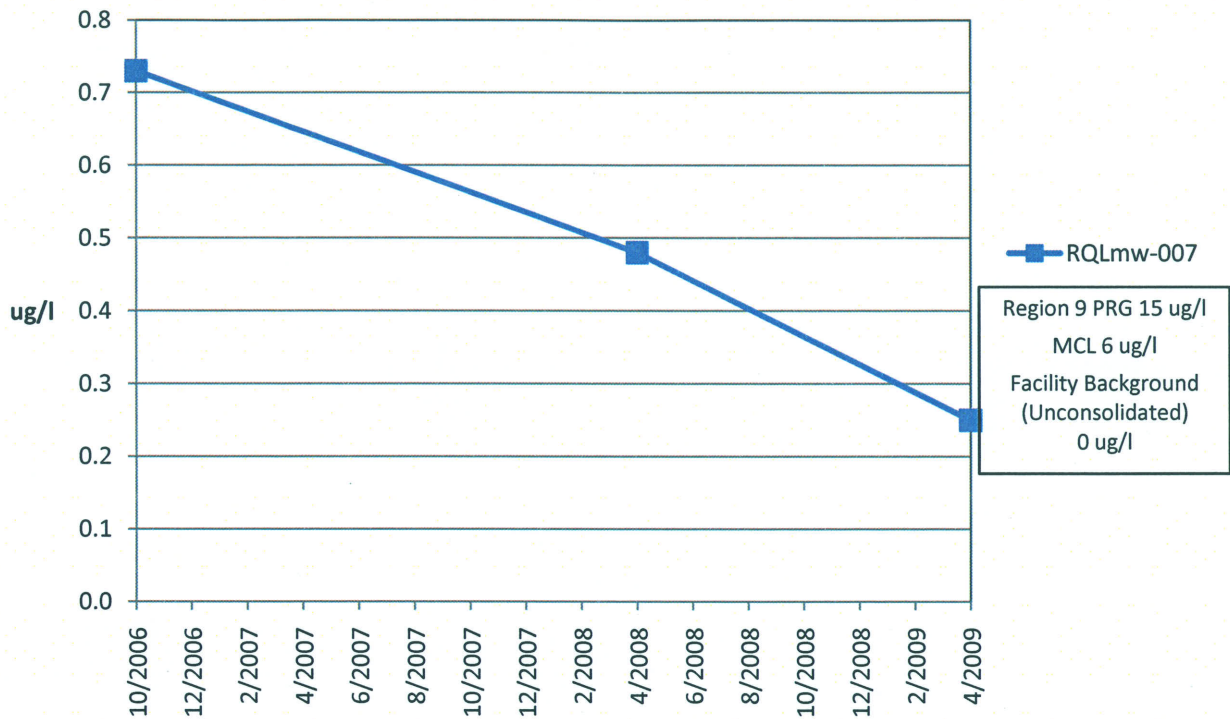
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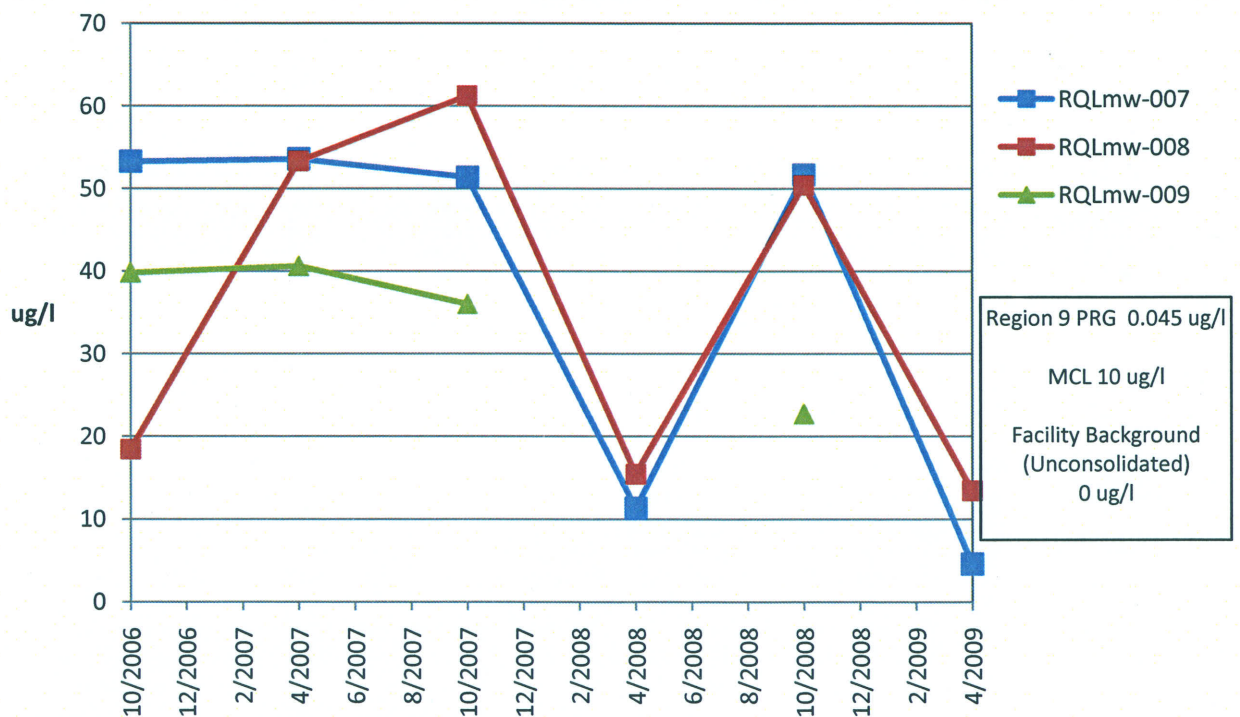
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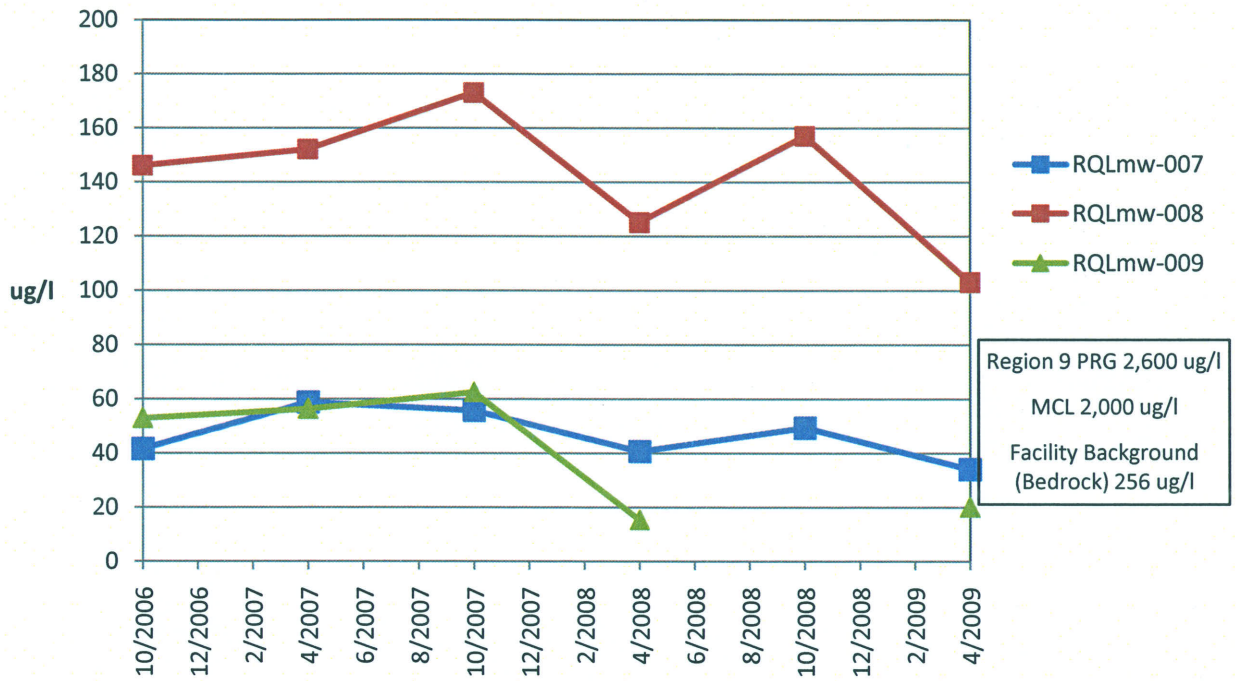
Ramsdell Quarry Landfill Antimony



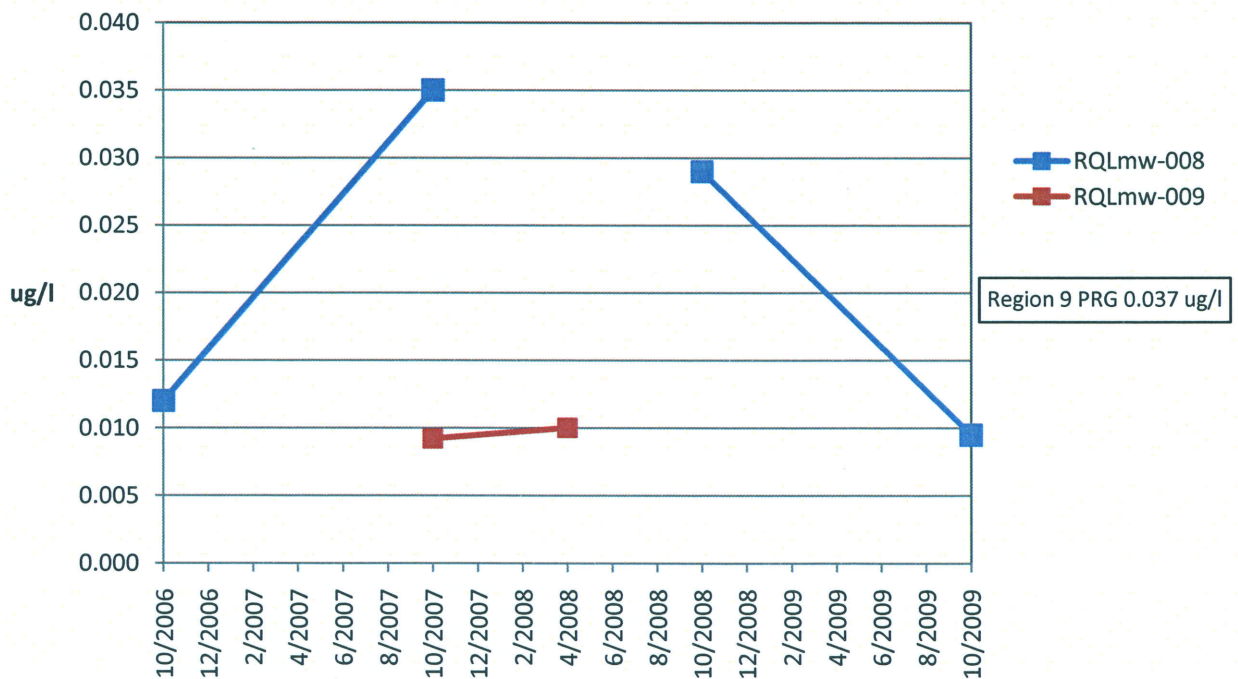
Ramsdell Quarry Landfill Arsenic



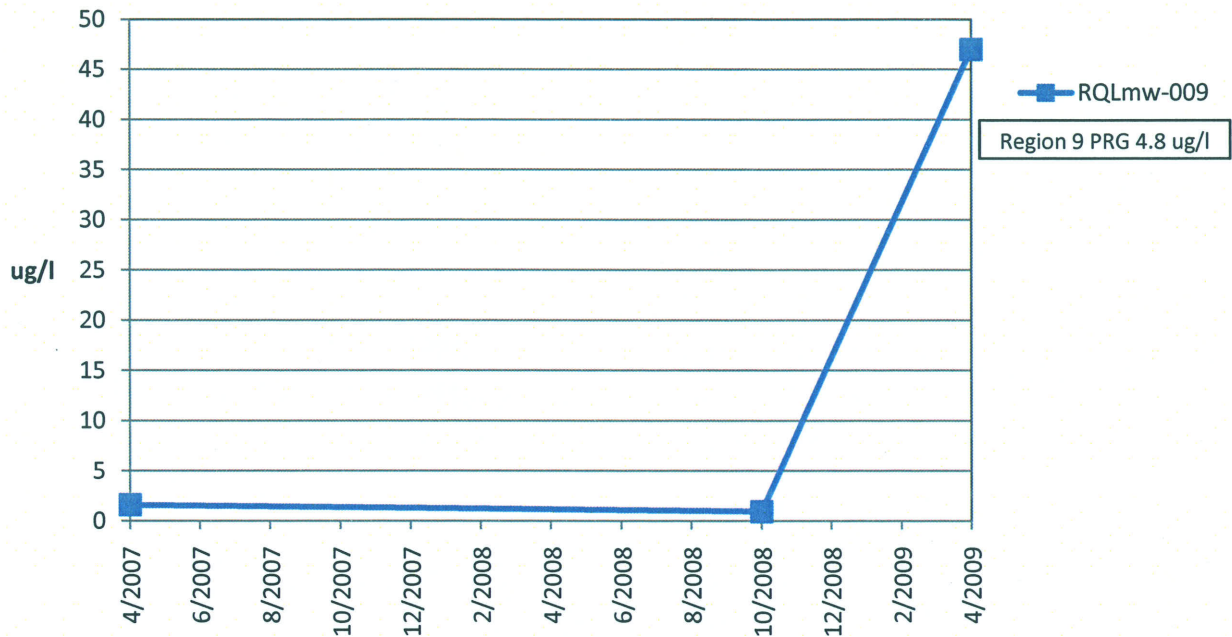
Ramsdell Quarry Landfill Barium



Ramsdell Quarry Landfill Beta-BHC



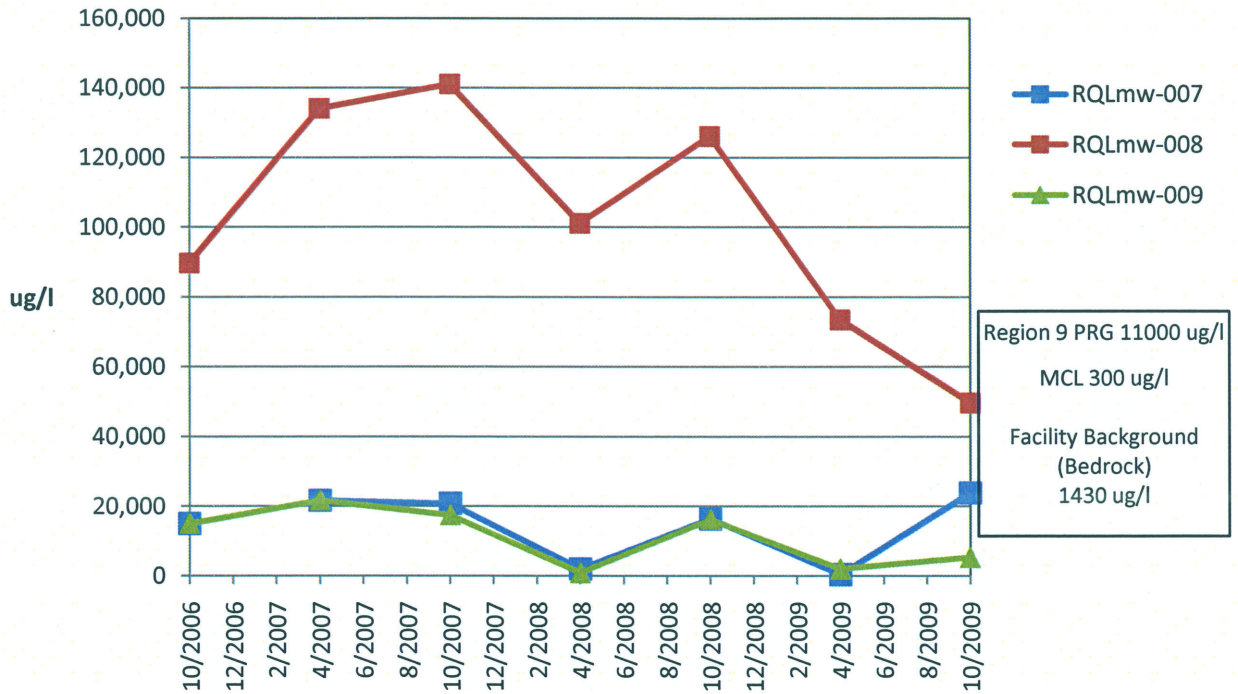
Ramsdell Quarry Landfill Bis-(2-ethylhexyl) phthalate



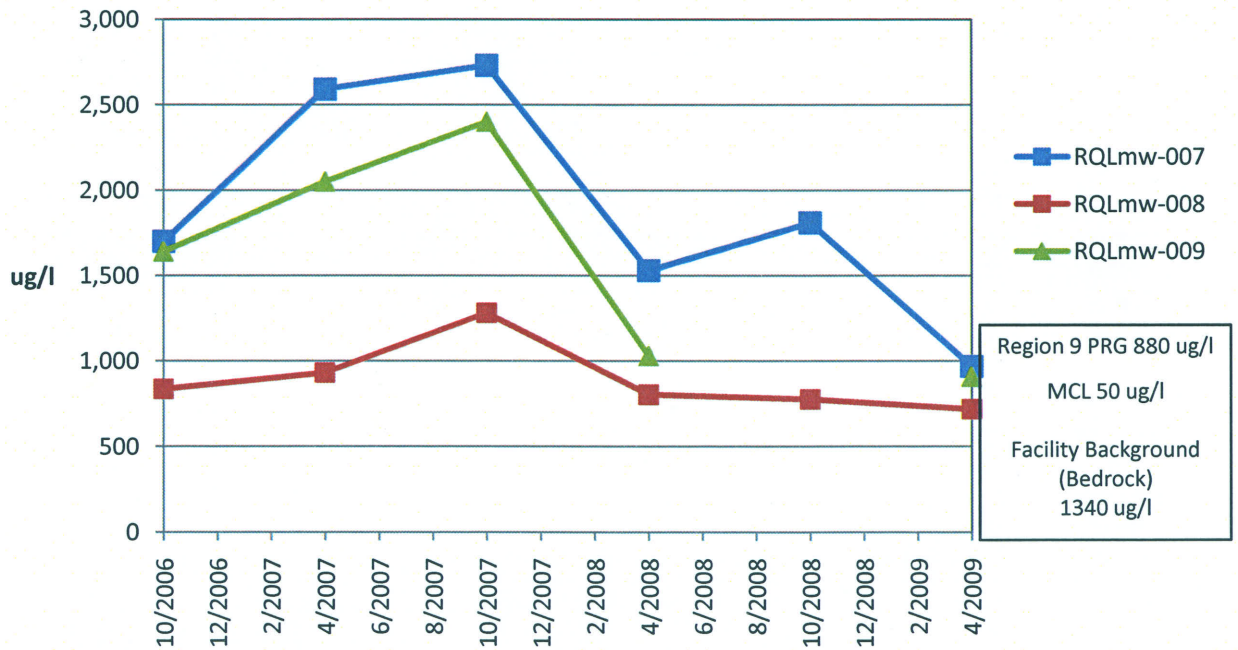
Ramsdell Quarry Landfill Cobalt



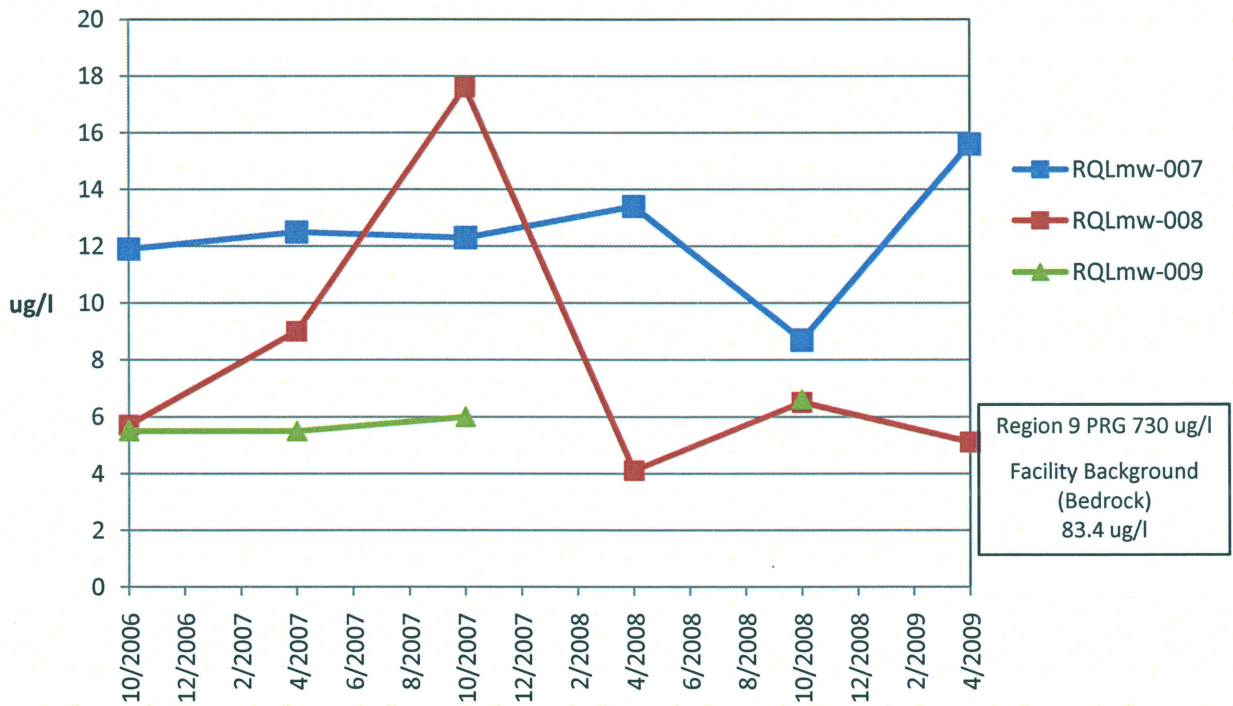
Ramsdell Quarry Landfill Iron



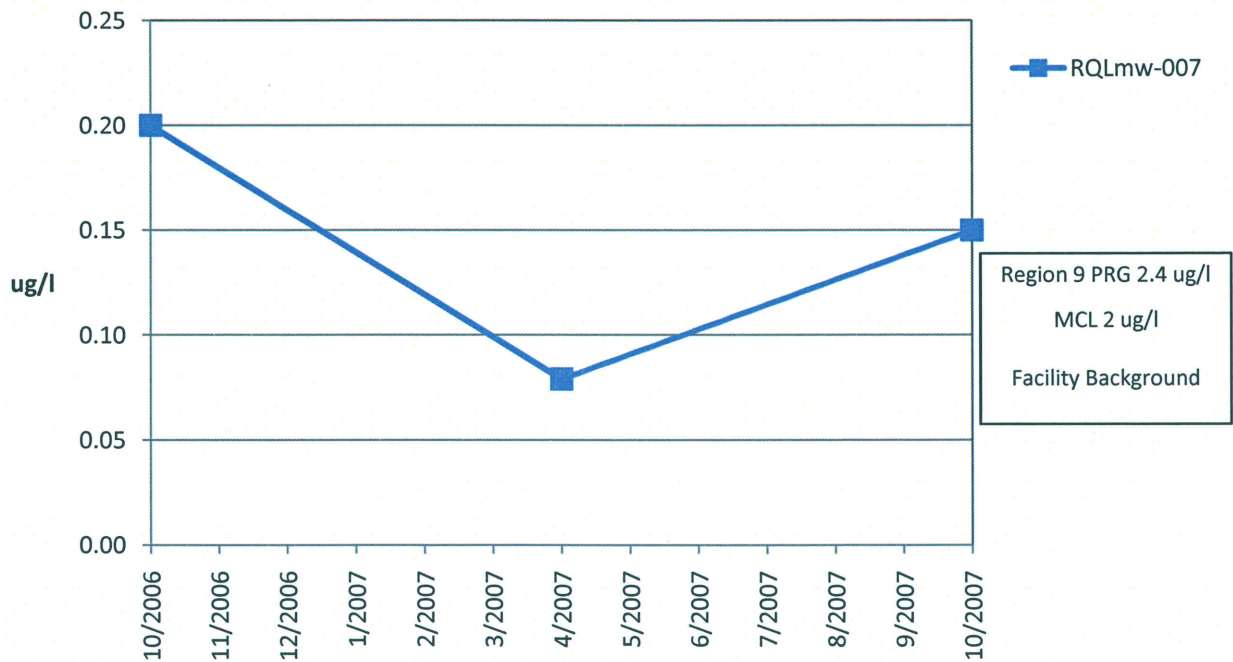
Ramsdell Quarry Landfill Manganese



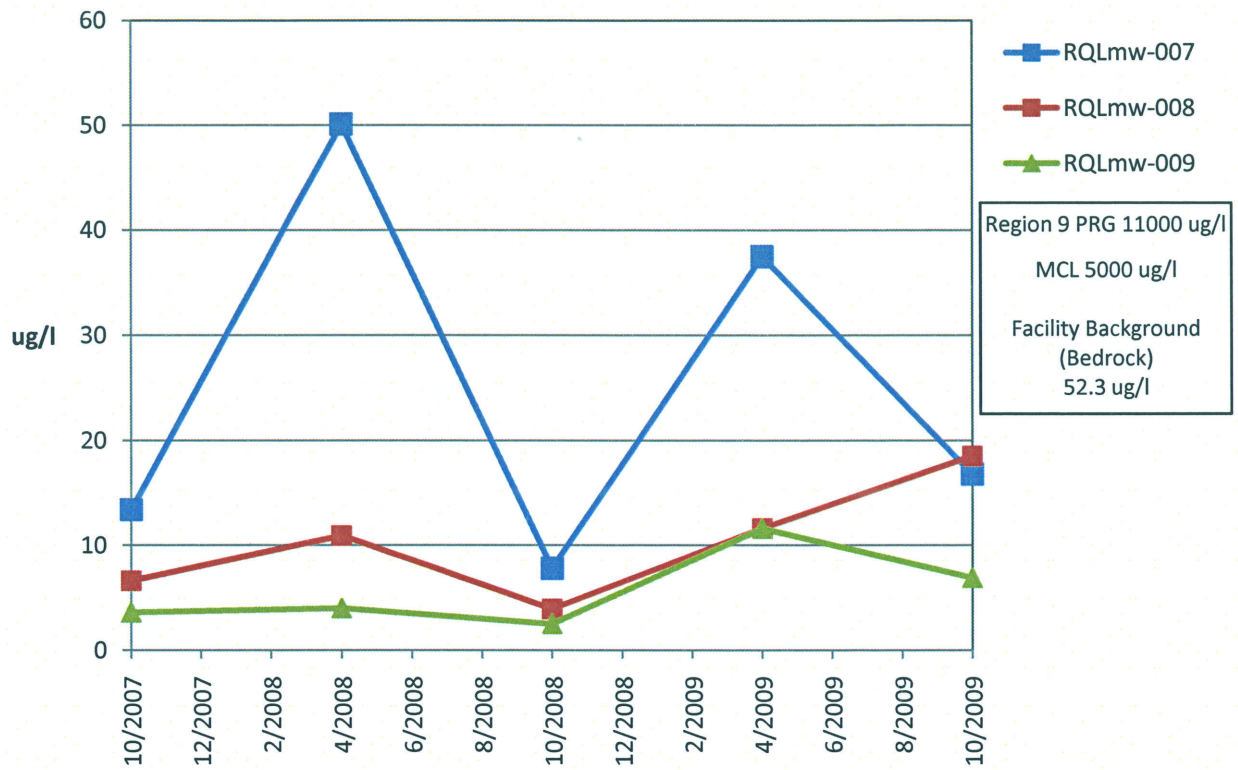
Ramsdell Quarry Landfill Nickel



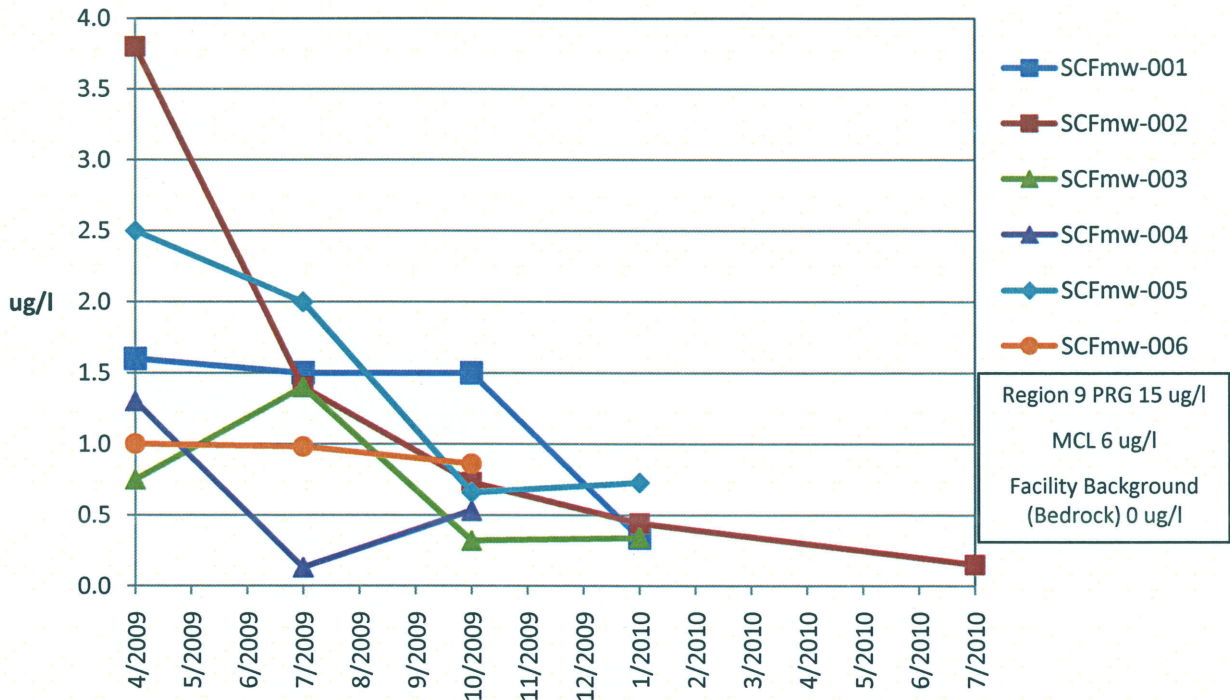
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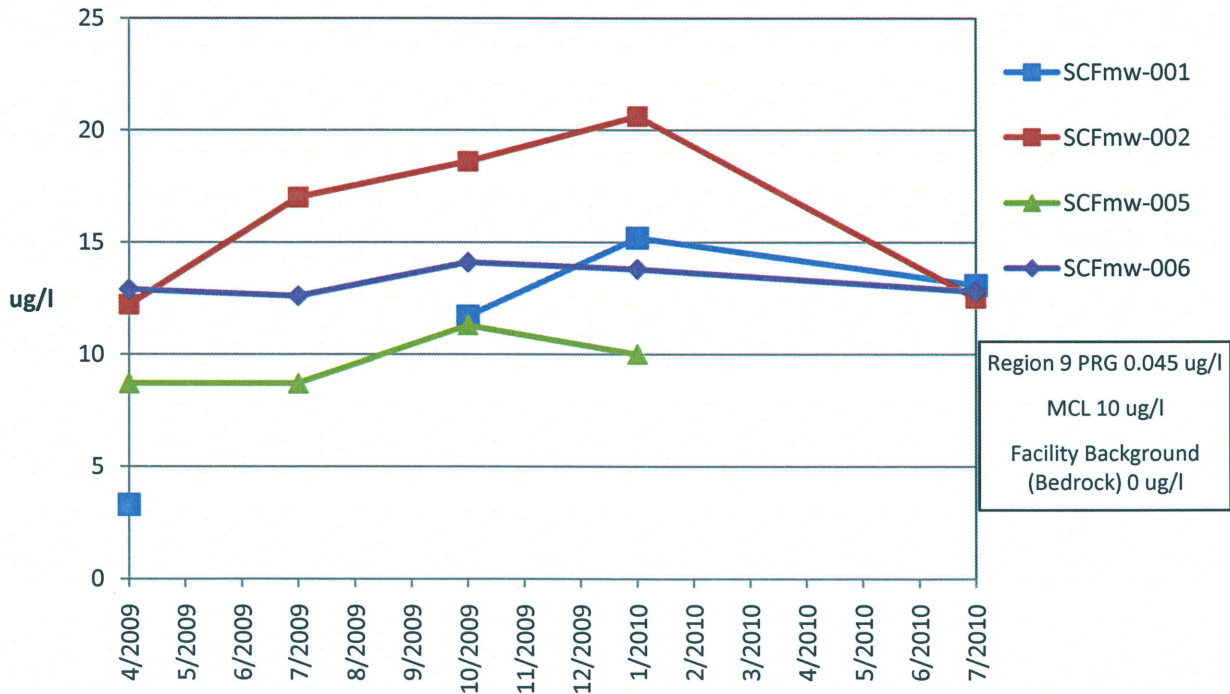
Ramsdell Quarry Landfill Zinc



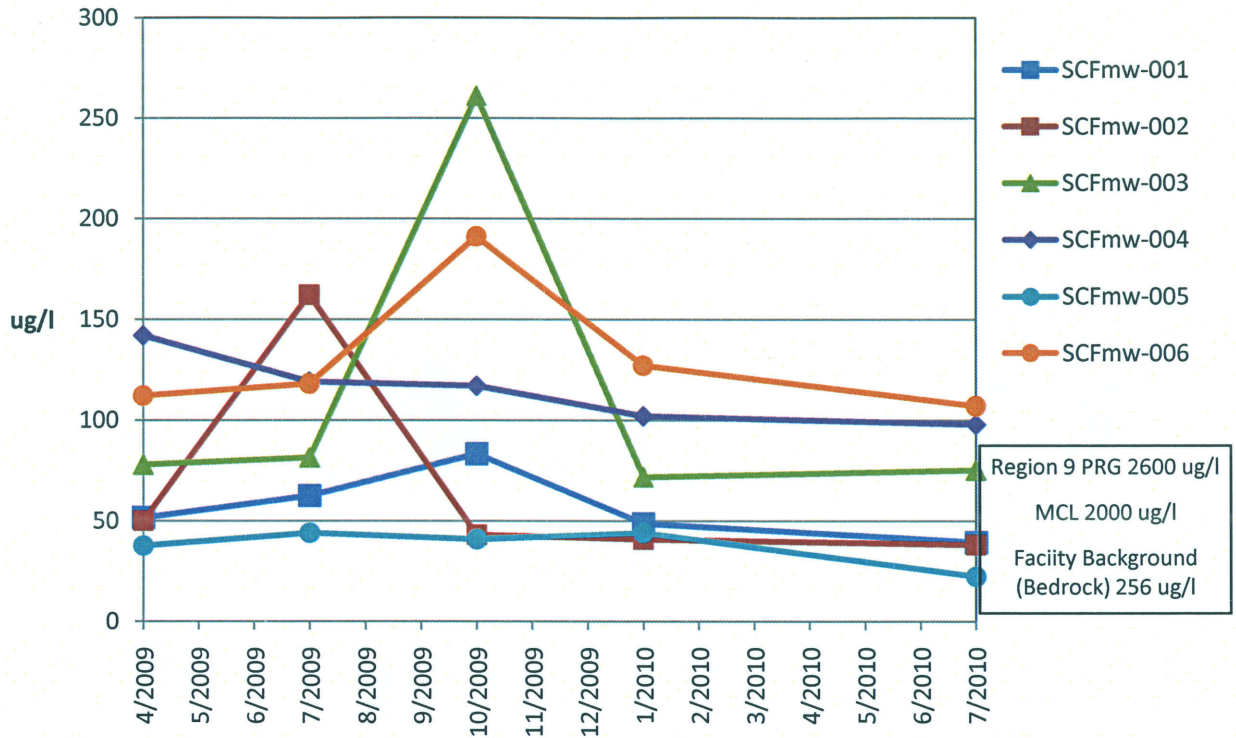
Sharon Conglomerate Antimony



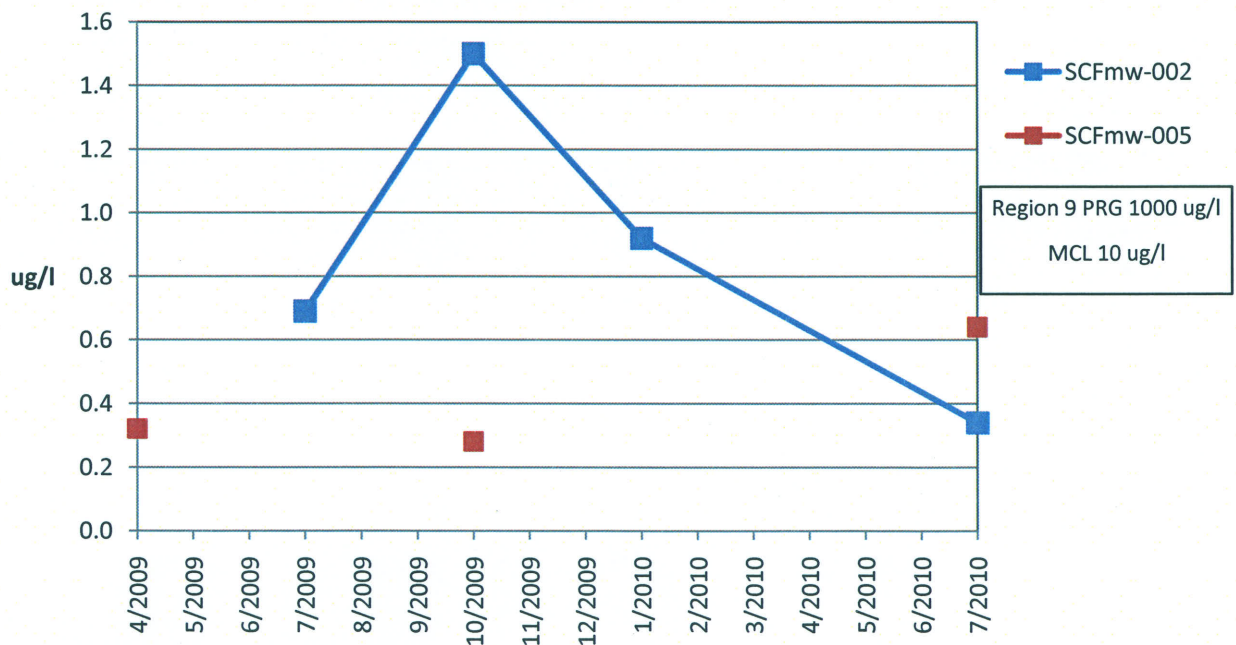
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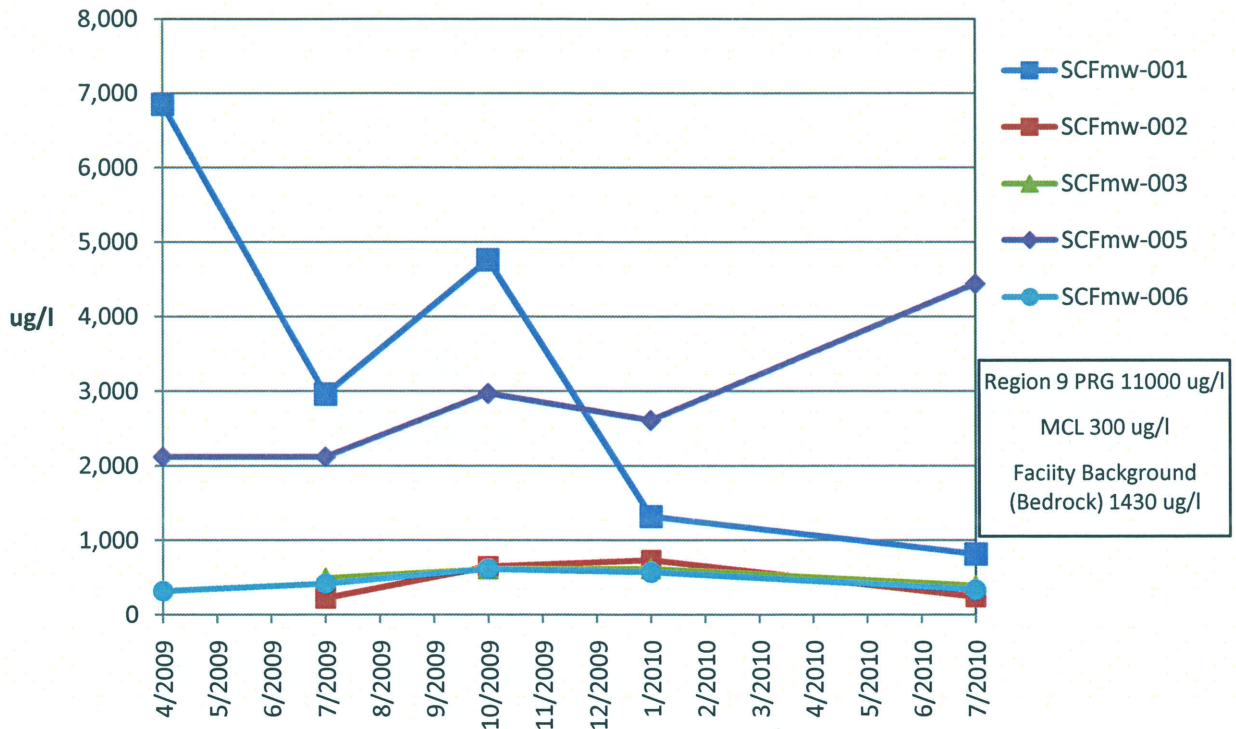
Sharon Conglomerate Barium



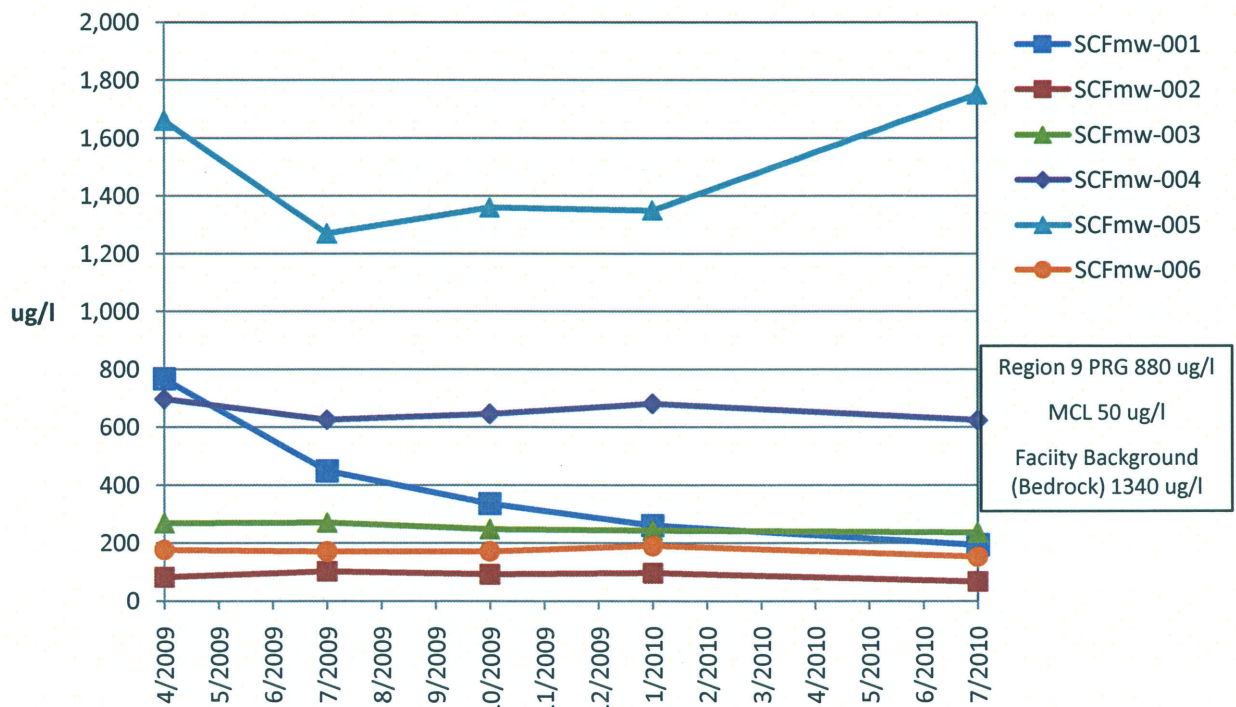
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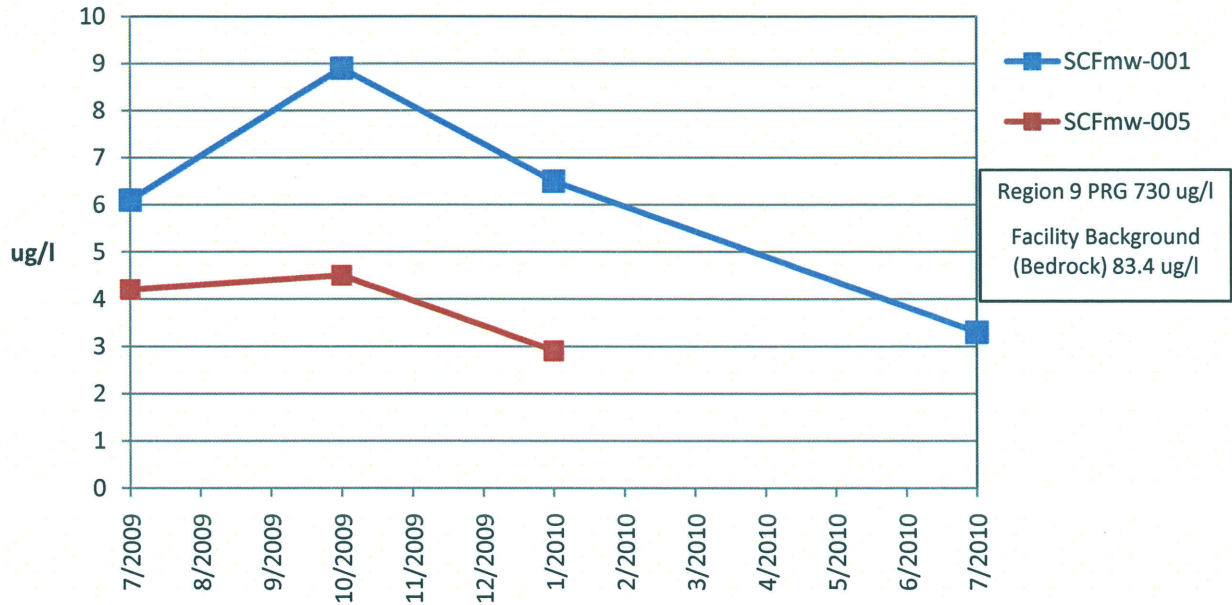
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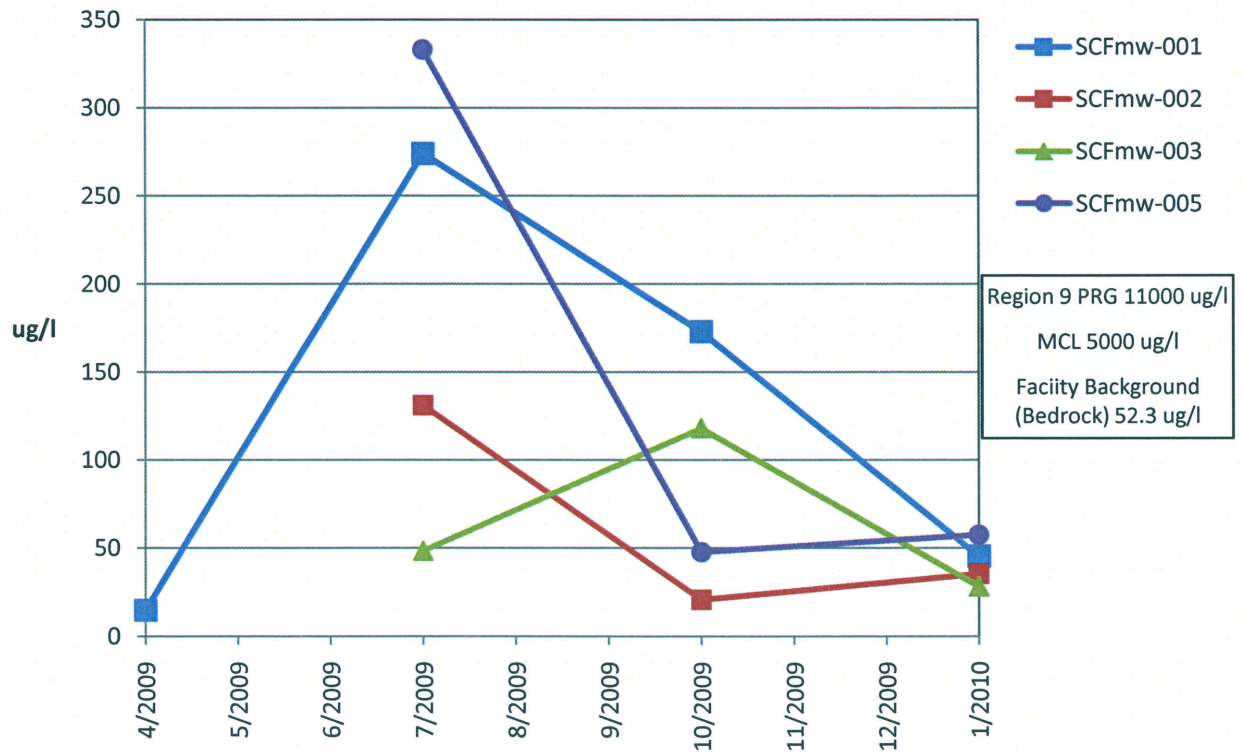
Sharon Conglomerate Manganese



Sharon Conglomerate Nickel



Sharon Conglomerate Zinc



APPENDIX F

MAPS OF FWGWMP STUDY AREAS

Note: The following maps have been reproduced from various separate reports. Each map has not been altered in any way from the original format from which it was copied.

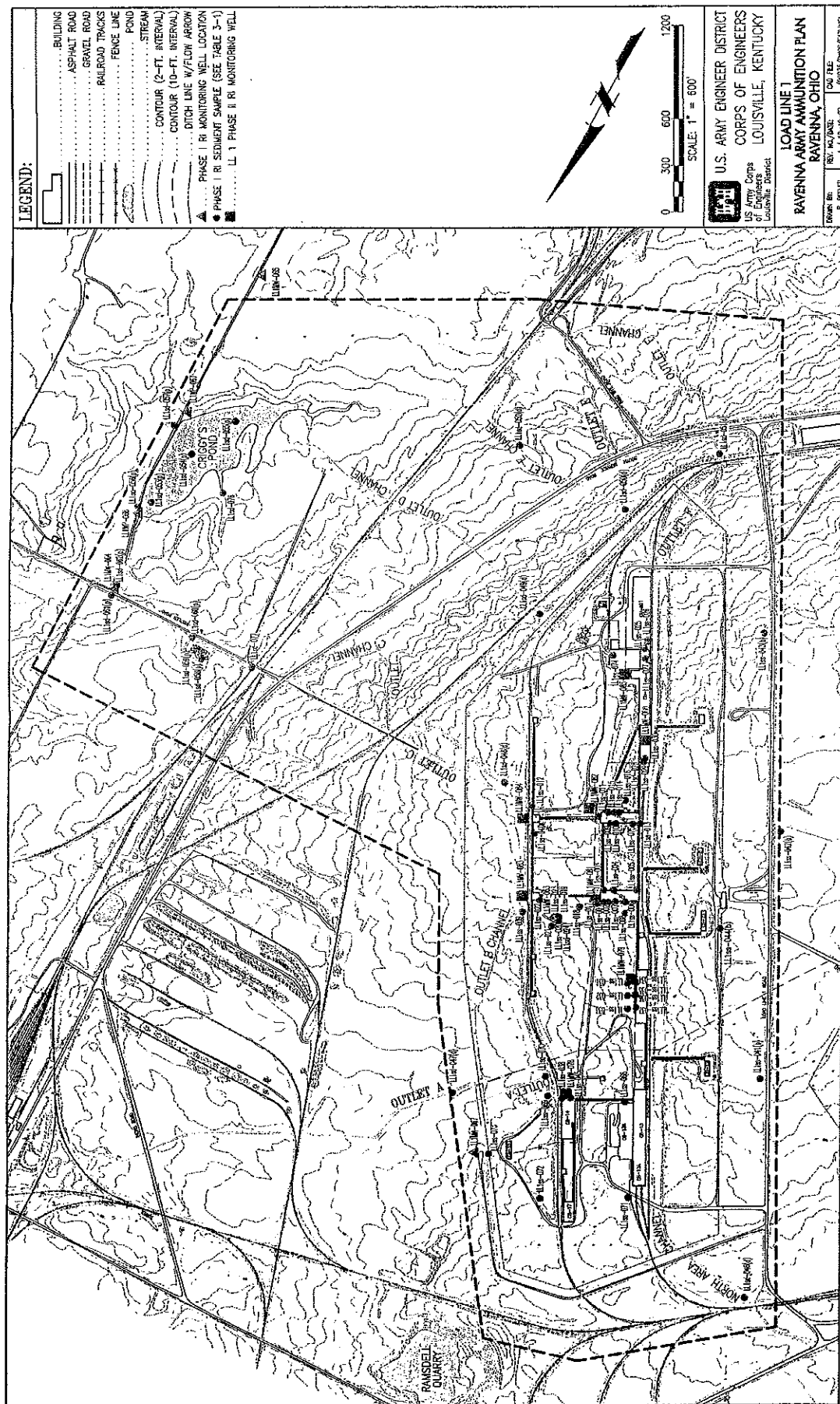


Figure 1-6. Existing Phase I RI Sampling Locations and Phase II RI Monitoring Wells at Load Line 1

2-12

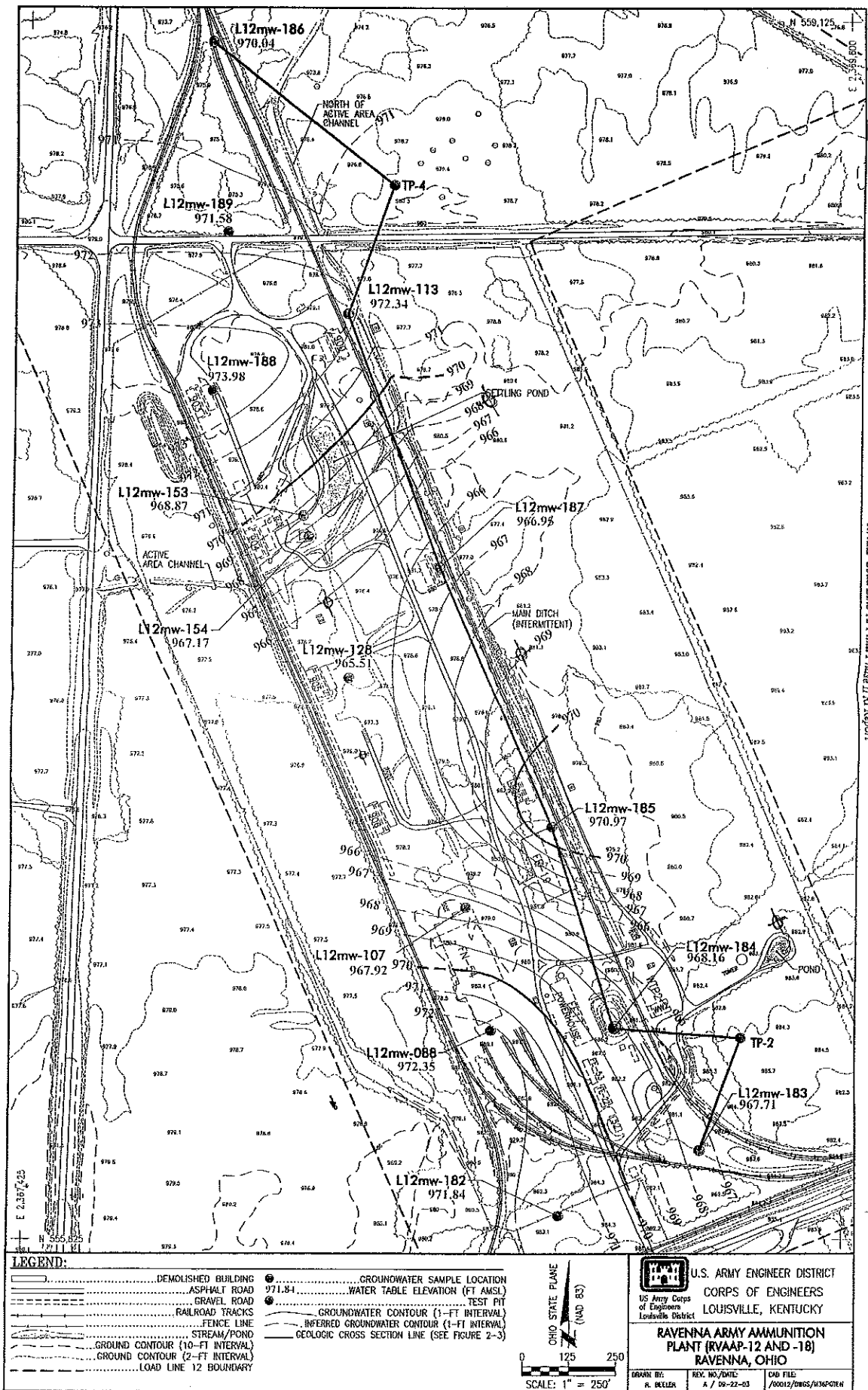
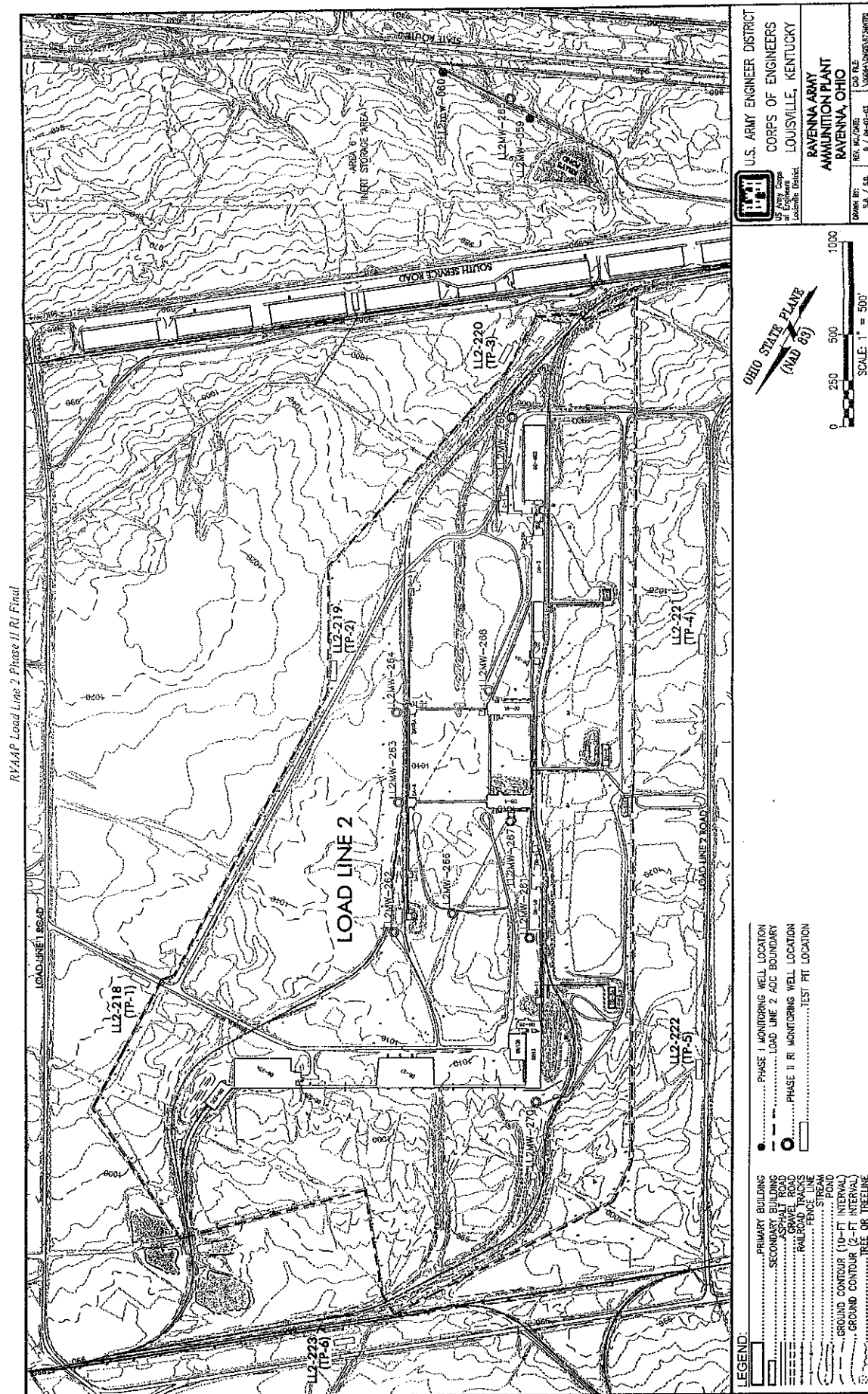
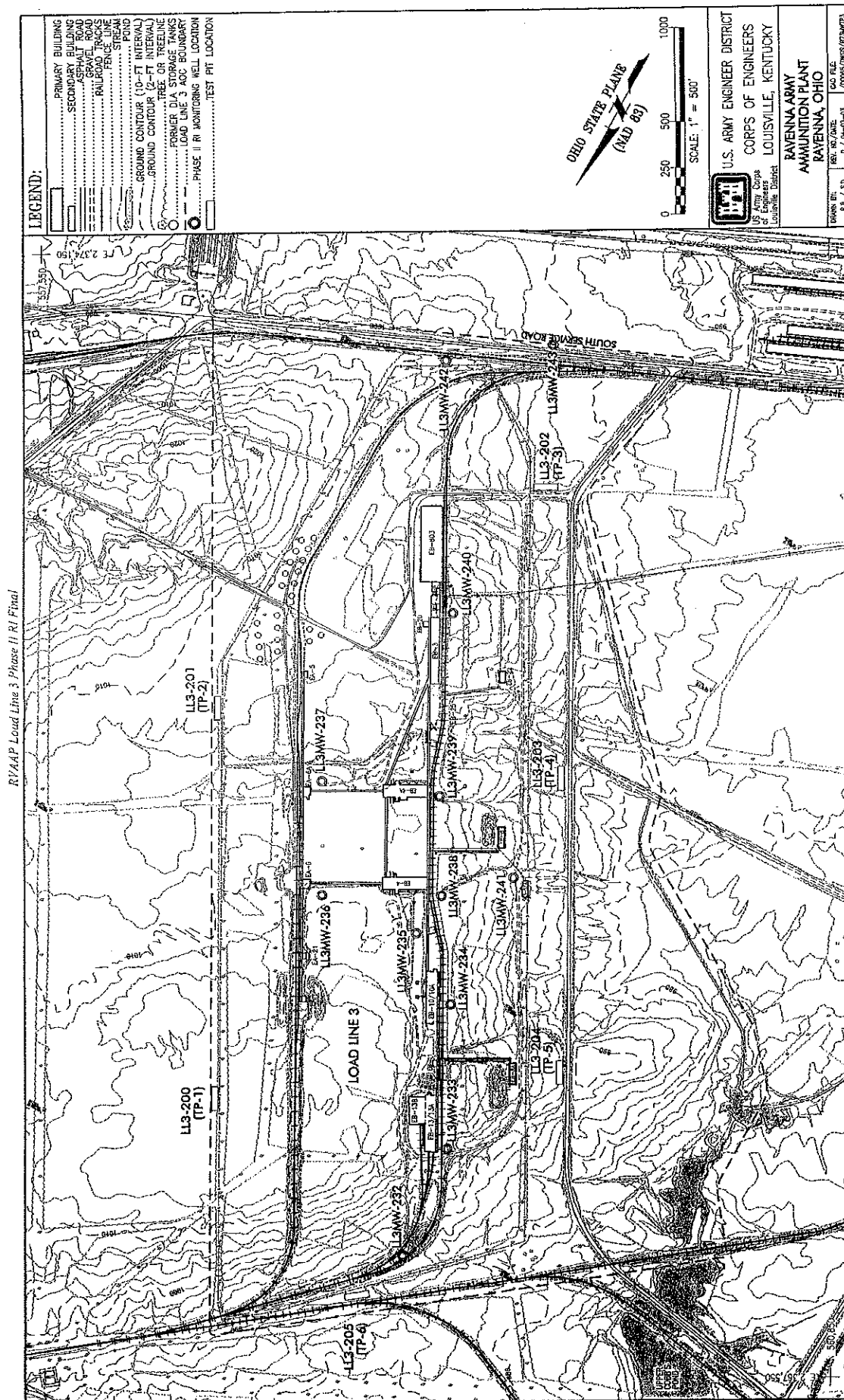


Figure 2-5. Potentiometric Groundwater Surface at Load Line 12, November 9, 2000





Legend

- Load Line & Buildings
- Ground Contour 2' Interval
- Drainage Ditch
- Fence
- Roads
- Vegetation
- Trees
- Pole
- Ground Water Monitoring Well Locations

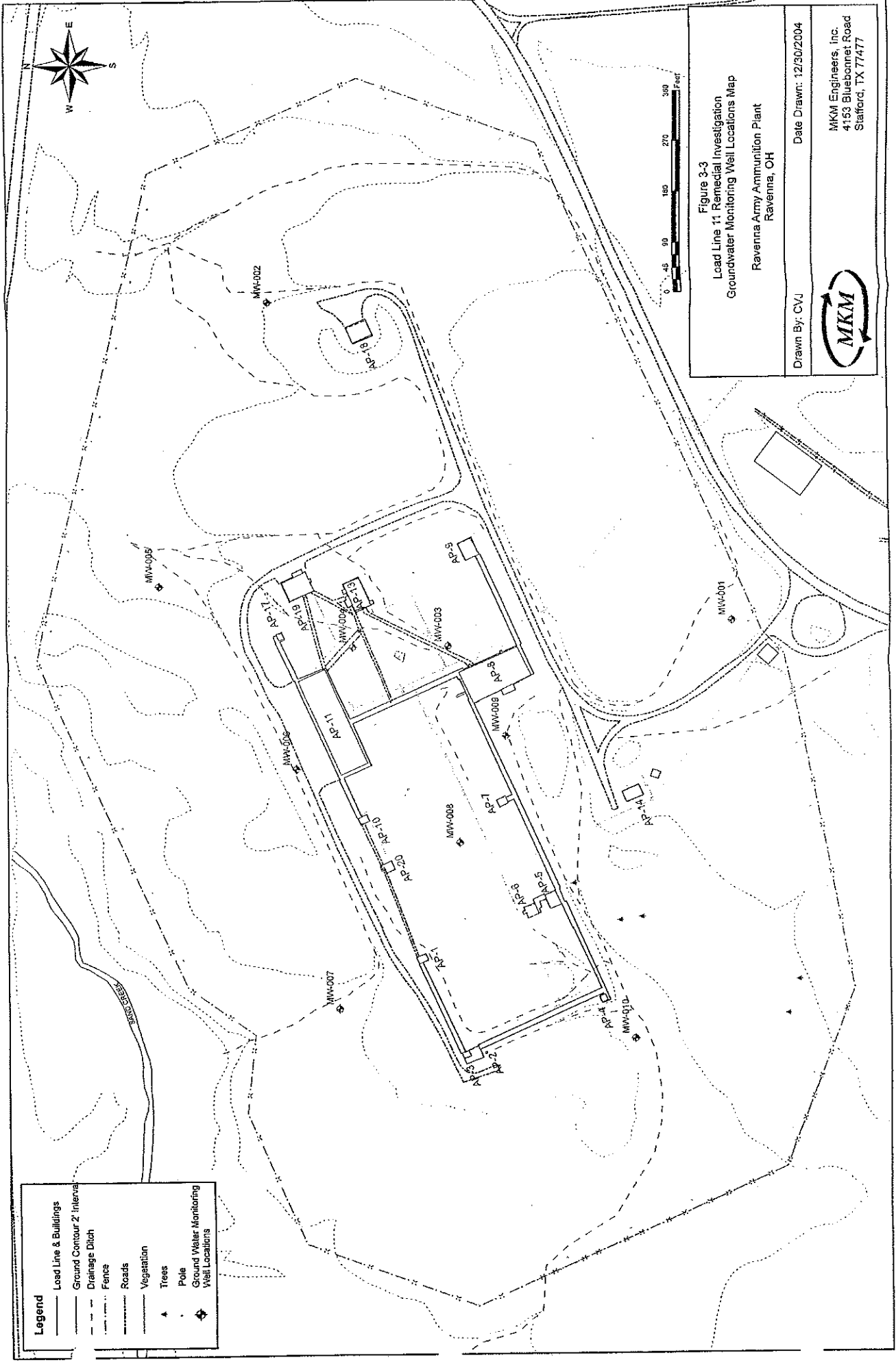
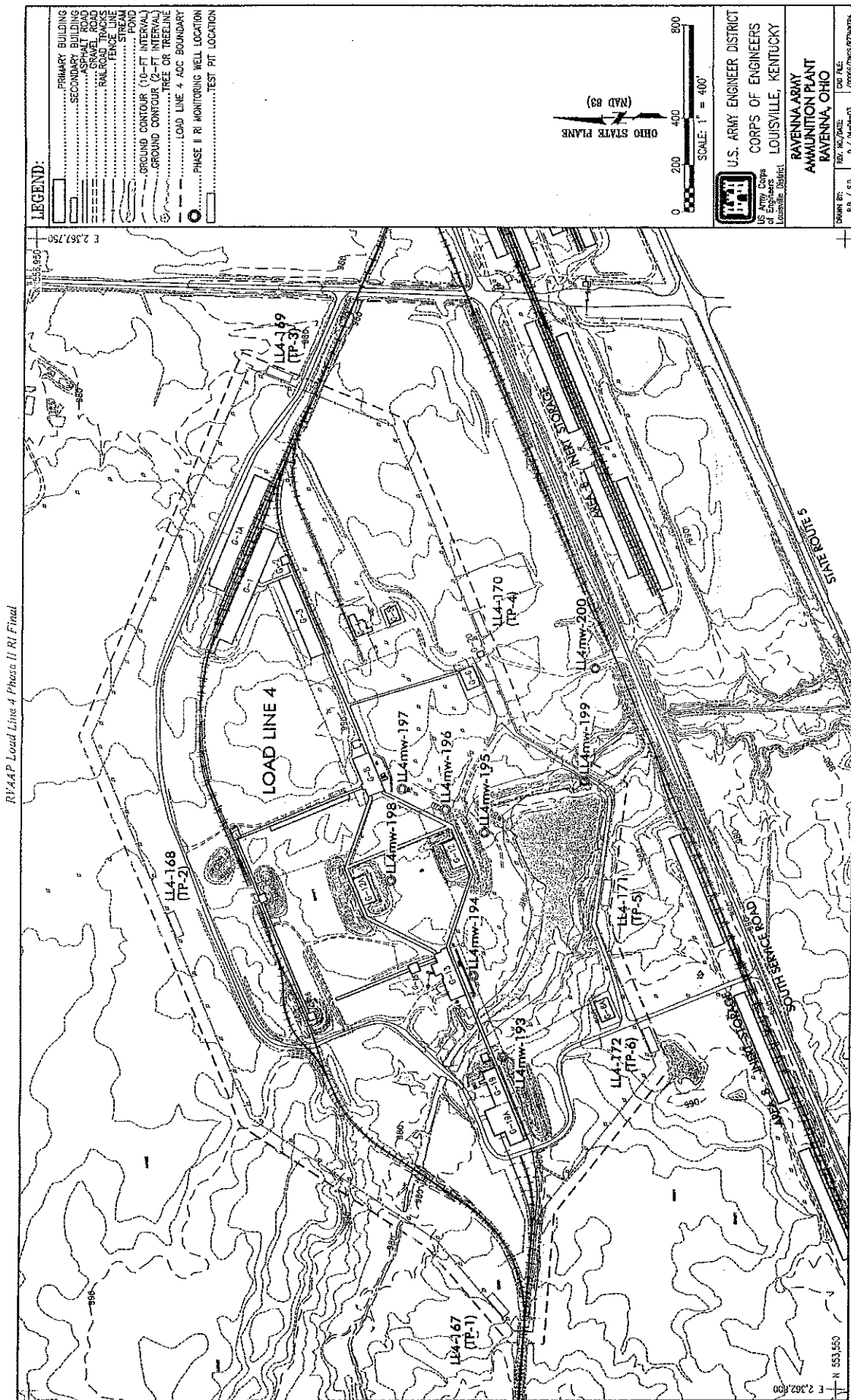
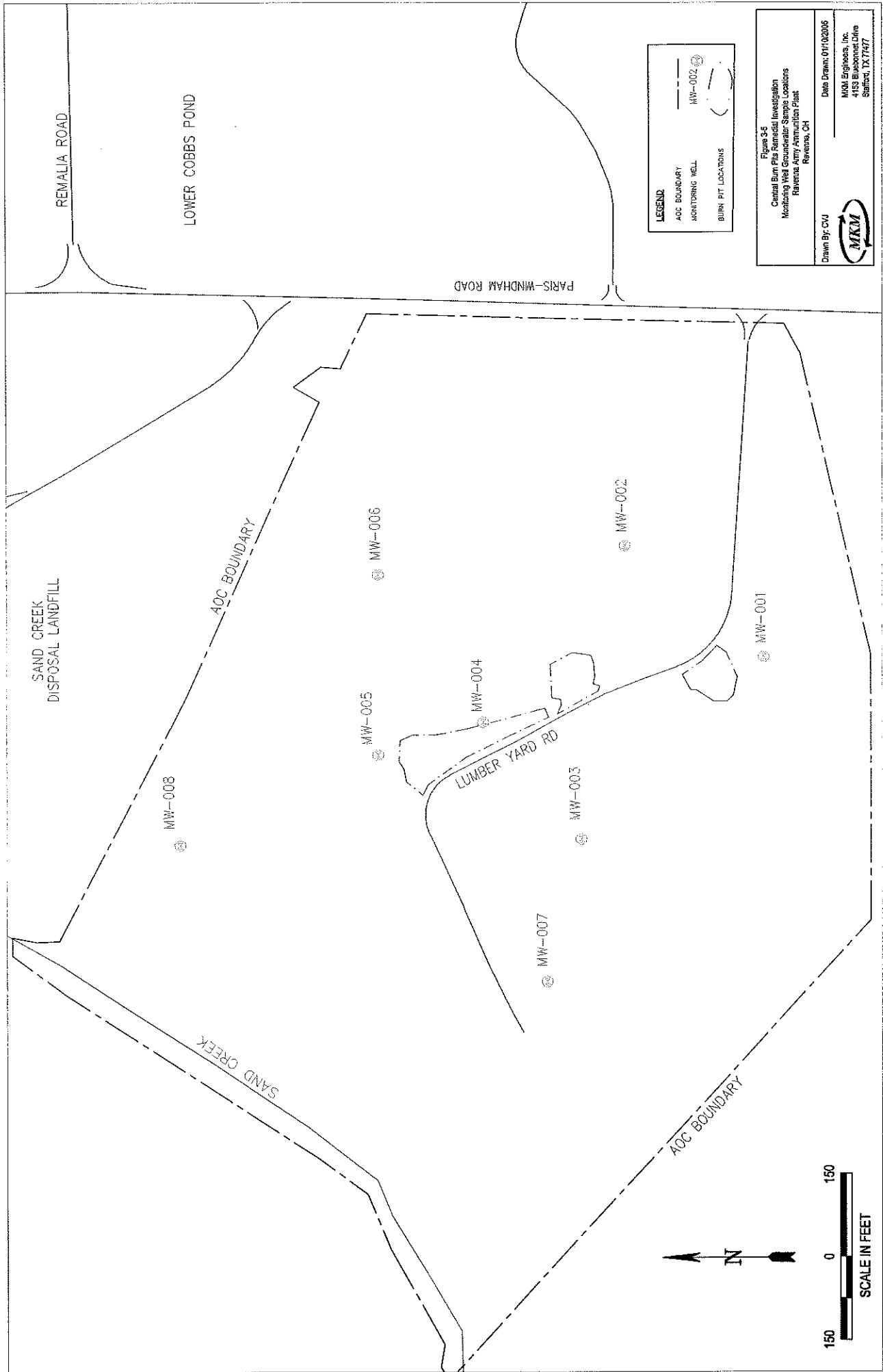


Figure 3-3
Load Line 11 Remedial Investigation
Groundwater Monitoring Well Locations Map
Ravenna Army Ammunition Plant
Ravenna, OH

Drawn By: CVJ Date Drawn: 12/30/2004

MKM Engineers, Inc.
4153 Bluebonnet Road
Stafford, TX 77477







DEMOLITION AREA 2		Monitoring Wells / Surface Water/ Sediment Map	
Figure 3-2: Sediment, Surface Water, and Groundwater Sample Location Map		Legend	
		Sample Type	Features
		• Sediment/Surface Water	— Water
		▲ Monitor Well	— Fence
			— Roads
			— Rail Road
			— 2' Contour
			— 10' Contour
			— Vegetation
		N	
		A	
		Sheet No.	FLN001415/R1516
		Drawn By: Chantelle Currell	
		AntView File: Ravenna_Sediment_SMGW	
		Date: 5-10-03	

RVAAP RQL Phase I RI Report

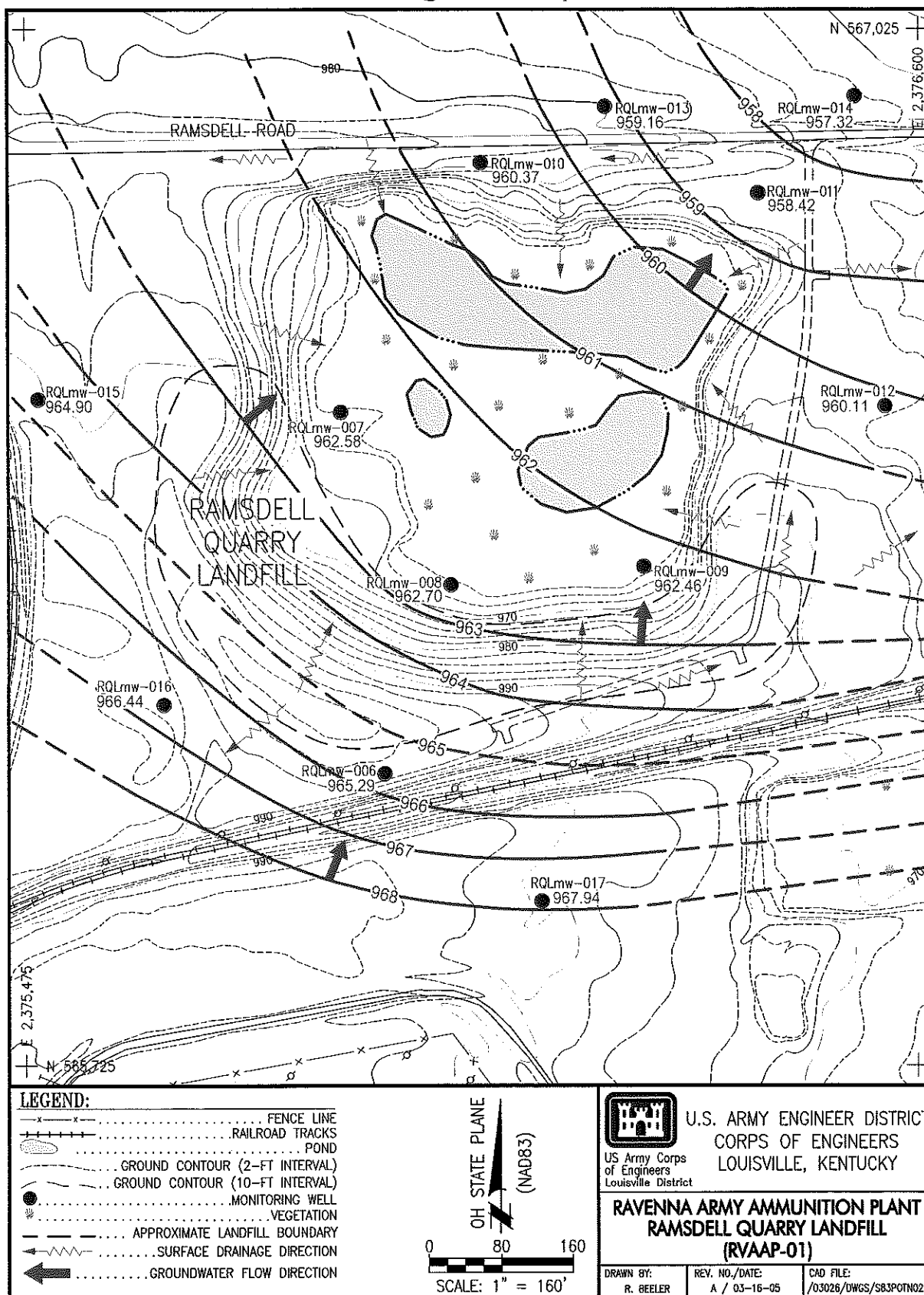


Figure 2-4. Ramsdell Quarry Potentiometric Surface, May 2004

APPENDIX G

REPORTING LIMITS THAT CURRENTLY DO NOT MEET THE RVAAP QAAP PQLS AND/OR REGION 9 PRGS

VOCs

CAS No.	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG	MCL
107-06-2	1,2-Dichloroethane	0.16	1.0	1.0	0.12	5.0
71-43-2	Benzene	0.22	1.0	1.0	0.35	5.0
67-66-3	Chloroform	0.16	1.0	1.0	0.17	NA
10061-01-5	cis-1,3-Dichloropropene	0.12	1.0	1.0	0.4	NA
75-01-4	Vinyl chloride	0.21	1.0	1.0	0.02	2.0
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0	1.0	0.055	NA
106-93-4	1,2-Dibromoethane	0.24	1.0	1.0	0.0056	NA
79-01-6	Trichloroethene	0.28	1.0	1.0	0.028	5.0
127-18-4	Tetrachloroethene	0.19	1.0	1.0	0.1	5.0
75-27-4	Bromodichloromethane	0.14	1.0	1.0	0.18	NA
79-00-5	1,1,2-Trichloroethane	0.22	1.0	1.0	0.2	5.0
124-48-1	Dibromochloromethane	0.19	1.0	1.0	0.13	NA
10061-02-6	Trans-1,3-Dichloropropene	0.17	1.0	1.0	0.4	NA
56-23-5	Carbon tetrachloride	0.19	1.0	1.0	0.17	5.0

Note: All units are µg/L

NA = Not Available

SVOCs

CAS No.	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG	MCL
111-44-4	Bis(2-Chloroethyl) ether	0.088	1.0	10	0.01	NA
50-32-8	Benzo(a)pyrene	0.048	0.20	10	0.0092	0.2
53-70-3	Dibenz(a,b)anthracene	0.039	0.20	10	0.0093	NA
118-74-1	Hexachlorobenzene	0.065	0.20	10	0.042	1.0
205-99-2	Benzo(b)fluoranthene	0.049	0.20	10	0.092	NA
193-39-5	Indeno(1,2,3-cd)pyrene	0.065	0.20	10	0.092	NA
56-55-3	Benzo(a)anthracene	0.052	0.20	10	0.092	NA
91-94-1	3,3'-Dichlorobenzidine	0.48	5.0	10	0.15	NA
106-46-7	1,4-Dichlorobenzene	0.52	1.0	10	0.5	75
87-86-5	Pentachlorophenol	0.48	5.0	25	0.56	1.0
87-68-3	Hexachlorobutadiene	0.51	1.0	10	0.86	NA
88-06-2	2,4,6-Trichlorophenol	1.4	5.0	10	3.6	NA

Note: All units are µg/L

NA = Not Available

Pesticides

CAS No.	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG	MCL
60-57-1	Dieldrin	0.0067	0.030	0.05	0.0042	NA
309-00-2	Aldrin	0.0061	0.030	0.05	0.004	NA
1024-57-3	Heptachlor epoxide	0.0065	0.030	0.05	0.0074	0.2
319-84-6	alpha-BHC	0.0062	0.030	0.05	0.011	NA
76-44-8	Heptachlor	0.0062	0.030	0.05	0.015	0.4

Note: All units are µg/L

NA = Not Available

Explosives

CAS No.	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG	MCL
88-72-2	2-Nitrotoluene	0.1	0.48	0.2	120	NA
99-08-1	3-Nitrotoluene	0.1	0.48	0.2	0.049	NA
99-99-0	4-Nitrotoluene	0.1	0.48	0.2	0.66	NA

Note: All units are µg/L

NA = Not Available

PCBs

CAS No.	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG	MCL
11104-28-2	PCB-1221	0.49	0.50	0.50	0.034	5.0
11141-16-5	PCB-1232	0.41	0.50	0.50	0.034	5.0
53469-21-9	PCB-1242	0.11	0.50	0.50	0.034	5.0
12672-29-6	PCB-1248	0.049	0.50	0.50	0.034	5.0
11097-69-1	PCB-1254	0.087	0.50	0.50	0.034	5.0
11096-82-5	PCB-1260	0.071	0.50	0.50	0.034	5.0

Note: All units are µg/L

NA = Not Available

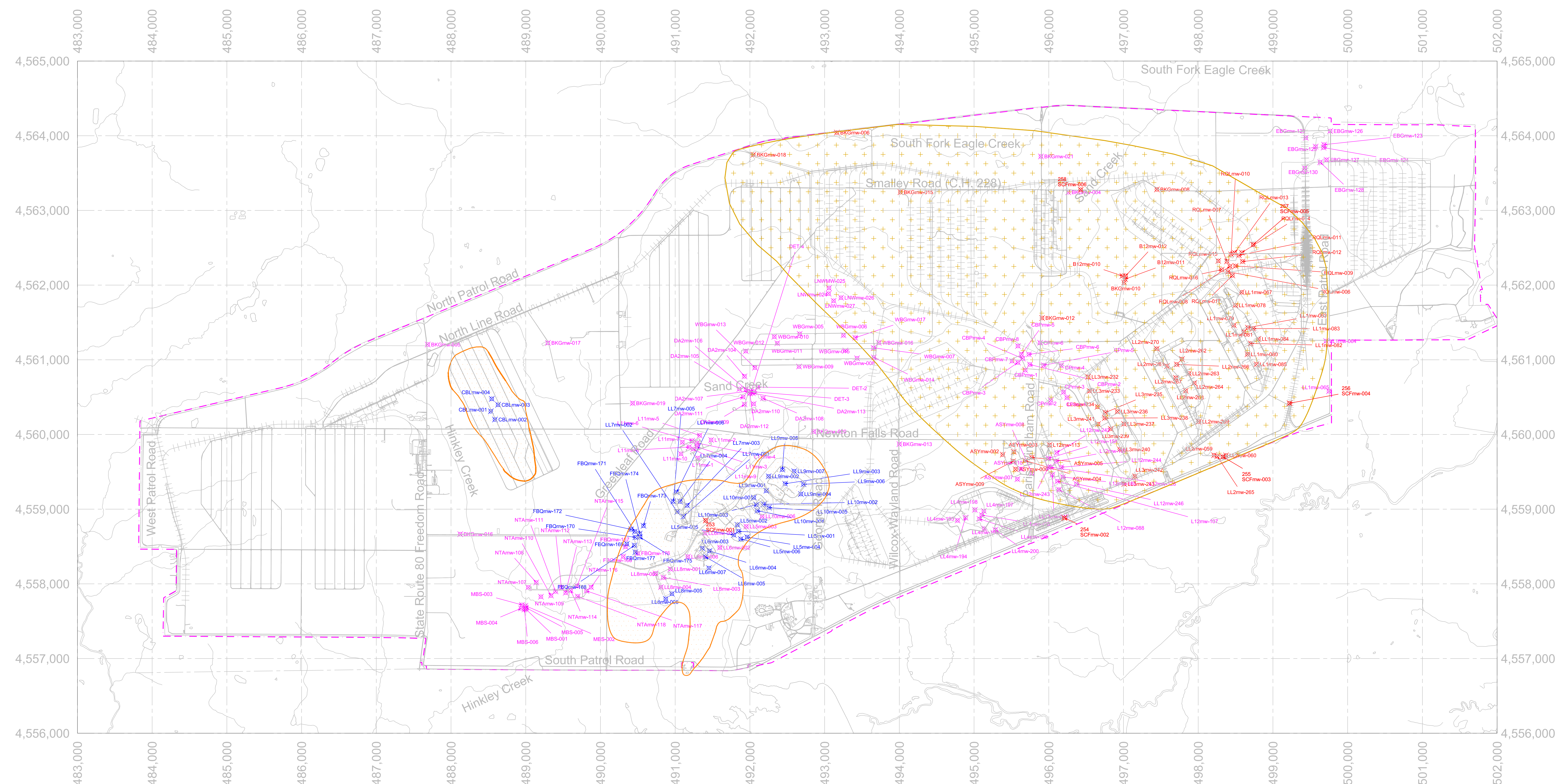
Inorganics

CAS No.	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG	MCL
7440-70-2	Calcium	80	100	100	NS	NA
7440-23-5	Sodium	410	1000	200	NS	NA
7440-09-7	Potassium	72	1000	200	NS	NA

Note: All units are µg/L



NA = Not Available

These compounds will not meet the reporting limits specified in the QAPP. However, these chemicals have consistently been found naturally occurring on the site at values that exceed the QAPP RLs.

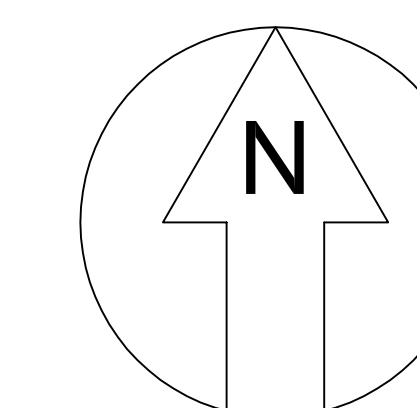
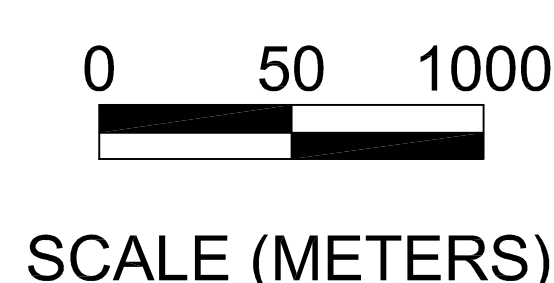


LEGEND

- ✕ UNCONSOLIDATED WELL
 ✕ HOMEWOOD MEMBER WELL
 ✕ SHARON MEMBER WELL
 -- PROPERTY LINE

- 
 HOMEWOOD MEMBER

 SHARON MEMBER

NOTE: THE UNCONSOLIDATED AQUIFER OVERLAYS
THE HOMEWOOD AND SHARON MEMBERS,
EXCEPT AS INDICATED ON PLATE 2

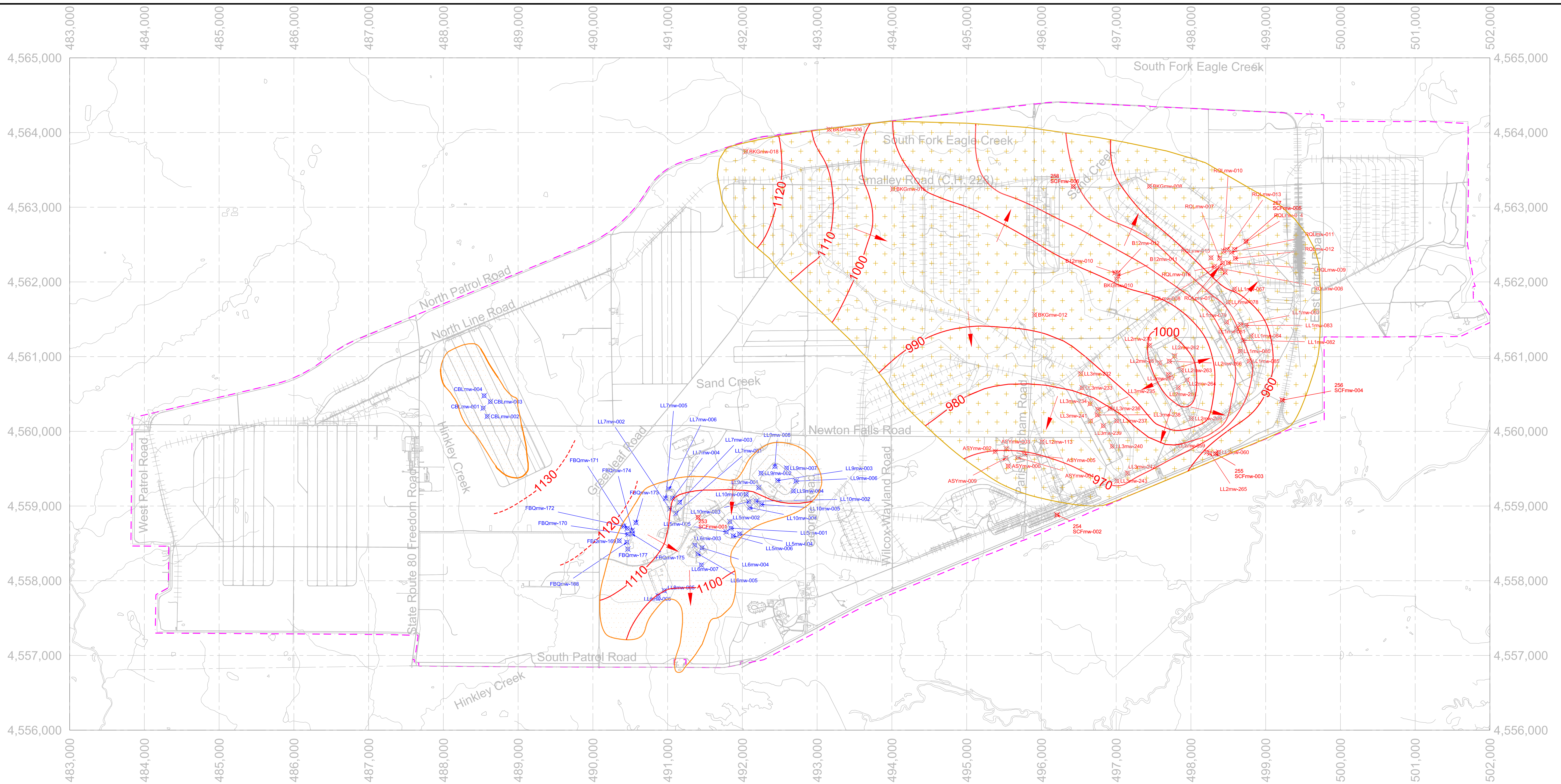


COORDINATE SYSTEM UTM NAD 83 ZONE 17



ENVIRONMENTAL QUALITY
MANAGEMENT, INC.
1800 CARILLON BLVD.
CINCINNATI, OHIO 45240
P (513)825-7500
F (513)825-7495

1	ADDED NOTE	12-04-08	BT	DRAWN	D.TOMO	10/22/07	MONITORING WELLS AT RVAAP			
2	ADDED SFCmw-001 THRU 006	9-10-09	JM	CHECKED						
				APPROVED						
REV	DESCRIPTION	DATE	APPROVED	SCALE:	NONE		ORIGINAL SIZE	PROJECT NO.	DWG NO.	RI
	REVISIONS						E	030240.0006	PLATE 1	



HOMWOOD MEMBER WELLS

Well ID	Elevation (ft. amsl)	Well ID	Elevation (ft. amsl)
LL5mw-001	1107.42	LL9mw-005	1114.80
LL5mw-002	1107.35	LL9mw-006	1110.52
LL5mw-004	1107.48	LL9mw-007	1110.36
LL5mw-005	1107.39	LL10mw-001	1107.14
LL5mw-006	1107.39	LL10mw-002	1108.83
LL6mw-003	1108.49	LL10mw-003	1109.29
LL6mw-004	1107.91	LL10mw-004	1108.41
LL6mw-005	1108.22	LL10mw-005	1109.28
LL6mw-007	1109.63	CBLmw-001	1134.46
LL7mw-001	1108.36	CBLmw-002	1134.23
LL7mw-002	1112.46	CBLmw-003	1135.61
LL7mw-003	1108.83	CBLmw-004	1135.90
LL7mw-004	1110.93	FBQmw-168	1120.98
LL7mw-005	1113.39	FBQmw-169	1115.64
LL7mw-006	1113.06	FBQmw-170	1120.33
LL8mw-005	1101.99	FBQmw-171	1121.91
LL8mw-006	1106.69	FBQmw-172	1119.78
LL9mw-001	1118.84	FBQmw-173	1118.98
LL9mw-002	1116.47	FBQmw-174	1119.08
LL9mw-003	1124.15	FBQmw-175	1119.22
LL9mw-004	1110.08	FBQmw-177	1114.96

SHARON MEMBER WELLS

Well ID	Elevation (ft. amsl)	Well ID	Elevation (ft. amsl)
BK6mw-006	1004.45	LL2mw-265	949.94
BK6mw-008	953.56	LL2mw-266	1003.84
BK6mw-010	990.63	LL2mw-267	1005.22
BK6mw-012	991.27	LL2mw-268	1002.58
BK6mw-015	991.15	LL2mw-269	994.73
BK6mw-018	1023.94	LL2mw-270	1002.23
LL1mw-063	964.78	LL3mw-232	977.35
LL1mw-067	958.01	LL3mw-233	976.59
LL1mw-078	960.01	LL3mw-234	996.69
LL1mw-079	961.68	LL3mw-235	989.89
LL1mw-080	983.56	LL3mw-236	992.45
LL1mw-081	965.26	LL3mw-237	988.48
LL1mw-082	969.68	LL3mw-238	991.57
LL1mw-083	958.23	LL3mw-239	976.89
LL1mw-084	966.17	LL3mw-240	978.71
LL1mw-085	958.44	LL3mw-241	964.34
LL2mw-059	951.51	LL3mw-242	981.79
LL2mw-060	950.26	LL3mw-243	974.33
LL2mw-261	1004.36	ASYmw-001	967.99
LL2mw-262	1002.99	ASYmw-002	968.27
LL2mw-263	1002.95	ASYmw-003	968.03
LL2mw-264	1005.07	ASYmw-004	969.20

SHARON CONGLOMERATE WELLS

Well ID	Elevation (ft. amsl)
SCFmw-001	1030.94
SCFmw-002	964.16
SCFmw-003	948.98
SCFmw-004	943.47
SCFmw-005	947.85
SCFmw-006	947.43

*WELLS NOT USED TO PRODUCE POTENTIOMETRIC MAP

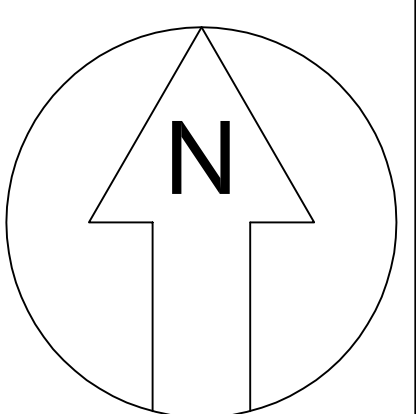
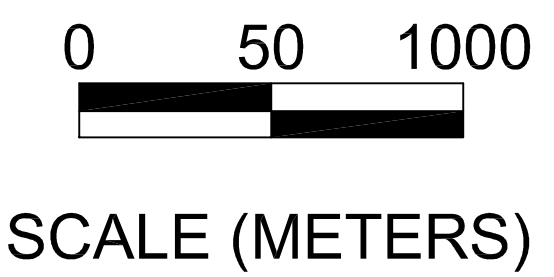
SHARON SHALE WELLS

Well ID	Elevation (ft. amsl)
LL12mw-113	974.84
LL12mw-183	969.46
LL12mw-186	972.59
LL12mw-189	974.79

*WELLS NOT USED TO PRODUCE POTENTIOMETRIC MAP

LEGEND

- × HOMWOOD MEMBER WELL
- × SHARON MEMBER WELL
- - - PROPERTY LINE
- 1100 — LINE OF EQUAL GROUNDWATER ELEVATION (ft.amsl)
- 1030 - - - (INTERMEDIATE DASHED)
- ➔ GROUNDWATER DIRECTION
- Homewood Member
- Sharon Member



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ENVIRONMENTAL QUALITY
MANAGEMENT, INC.
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1	ADDED SFCmw-001 THRU 006	9-10-09	JM	DRAWN	D.TOMO	3-30-09
				CHECKED	W.THOMPSON	3-30-09
				APPROVED		
REV	DESCRIPTION	DATE	APPROVED	SCALE:	NONE	
REVISIONS						

ORIGINAL SIZE	PROJECT NO.	DWS NO.	REV.
E	030240.0006	PLATE 3	1

