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9	Former Ravenna Army Ammunition Plant
10	Portage and Trumbull Counties, Ohio
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Camp Ravenna Joint Military Training Center Former Ravenna Army Ammunition Plant Portage and Trumbull Counties, Ohio

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AR = Administrative Record

86 ARNG = Army National Guard

87 ARNG-IED-CR = Army National Guard – Installation Environmental Division – Cleanup Restoration

88 CO = Central Office

89 DERR = Division of Environmental Response and Revitalization

90 EPA = Environmental protection Agency

91 NEDO = Northeast District Office

92 OHARNG = Ohio Army National Guard

93 USACE = U.S. Army Corps of Engineers

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138		LIST OF ACRONYMS AND ABBREVIATIONS
139	ACM	Asbestos Containing Material
140	AOC	Area of Concern
141	AR	Army Regulation
142	ARNG	Army National Guard
143	bgs	below ground surface
144	Camp Ravenna	Camp Ravenna Joint Military Training Center
145	CERCLA	Comprehensive Environmental Response, Compensation, and Liability
146		Act
147	C.F.R.	Code of Federal Regulations
148	DFFOs	Director's Final Findings and Orders
149	FWSAP	Facility-Wide Sampling and Analysis Plan
150	FWGWMPP	Facility-Wide Groundwater Monitoring Program Plan
151	FY	Fiscal Year
152	GIS	Geographical Information System
153	IRP	Installation Restoration Program
154	LUC	Land Use Control
155	MK	Mark
156	MEC	Munitions and Explosives of Concern
157	MRS	Munitions Response Site
158	MSW	Municipal Solid Waste
159	NCP	National Contingency Plan
160	NBC	Nuclear, Biological, Chemical
161	OAC	Ohio Administrative Code
162	Ohio EPA	Ohio Environmental Protection Agency
163	OHARNG	Ohio Army National Guard
164	PMP	Property Management Plan
165	RD	Remedial Design
166	RDX	Research Department Explosive
167	ROD	Record of Decision
168	RQL	Ramsdell Quarry Landfill
169	RVAAP	Ravenna Army Ammunition Plant
170	SOP	Standard Operating Procedure
171	TNT	Trinitrotoluene
172	U.S.C.	United States Code
173	USP&FO	United States Property and Fiscal Officer
174	UXO	Unexploded Ordnance
175	WBG	Winklepeck Burning Grounds

SECTION 1.0 INTRODUCTION

1.1 Report Introduction

- As of October 2016, two areas at the former Ravenna Army Ammunition Plant (RVAAP), now
- known as the Camp Ravenna Joint Military Training Center (Camp Ravenna) have designated
- Land Use Controls (LUCs); Ramsdell Quarry Landfill (RQL) and Winklepeck Burning Grounds
- 181 (WBG). As explained in greater detail in Sections 1.4 and 1.5, annual reports are required for
- the areas at Camp Ravenna that utilize LUCs to protect the integrity of an environmental remedy
- 183 (if present), human health, and the environment by limiting the activities that may occur at those
- areas.

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- The following sections present the 2016 Annual Report for LUC Monitoring Report, RVAAP-01
- 186 Ramsdell Quarry Landfill and RVAAP-05 Winklepeck Burning Grounds, Camp Ravenna Joint
- Military Training Facility, Former Ravenna Army Ammunition Plant, Portage and Trumbull
- 188 Counties, Ohio. This annual report is laid out as follows:
- Section 1.0 General introduction to the facility, and a general description of Land Use
- 190 Controls, monitoring and annual reporting requirements.
- 191 Section 2.0 Annual Report for RQL.
- 192 Section 3.0 Annual LUC Monitoring Report for WBG.
- 193 Section 4.0 Conclusions
- 194 Section 5.0 References

195 **1.2 Facility Location**

- 196 Camp Ravenna is located in northeastern Ohio within Portage and Trumbull counties, and is
- approximately three miles east/northeast of the City of Ravenna and one mile north/northwest of
- the City of Newton Falls. The facility is approximately 11 miles long and 3.5 miles wide. The
- 199 facility is bounded by State Route 5, the Michael J. Kirwan Reservoir, and the CSX System
- 200 Railroad to the south; Garret, McCormick, and Berry Roads to the west; the Norfolk Southern
- Railroad to the north; and State Route 534 to the east, as shown in Figure 1. In addition, the
- facility is surrounded by the communities of Windham, Garrettsville, Charlestown, and
- 203 Wayland.

Figure 1.0 Map of Camp Ravenna Joint Military Training Center (Former Ravenna Army Ammunition Plant)



1.3 Facility History

RVAAP was a load, assemble, and pack facility built to produce large-caliber artillery projectiles and bombs. Although RVAAP downsized after World War II, plant production lines were reactivated during the Korean and Vietnam Wars. Additionally, the plant conducted nearly continuous demilitarization of war stocks, refurbishment of inventoried ammunition, and minor research and development projects. By 1992, the installation's status changed from "inactive but maintained" to that of "caretaker."

The Department of Defense established the Installation Restoration Program (IRP) to provide guidance and funding for the investigation and cleanup of potential contamination and past operations caused by historical activities at military installations. The IRP began at RVAAP in 1989. Administrative accountability for the initial acreage of the facility was transferred to the United States Property and Fiscal Officer (USP&FO) for Ohio in May 1999 with subsequent transfers to follow. To date, administrative accountability for the entire 21,683-acre facility has been transferred to the USP&FO for Ohio and subsequently licensed to the Ohio Army National Guard (OHARNG) for use as a military training site, Camp Ravenna. The RVAAP restoration program involves cleanup of former production/operational areas throughout the facility related to former activities conducted under the RVAAP. The restoration program is currently managed by the Army National Guard (ARNG) with support from the OHARNG.

227 1.4 Land Use Controls, Monitoring, And Reporting Requirements

- All work, plans, and documentation for the RVAAP IRP at Camp Ravenna must be in
- 229 conformance with the Comprehensive Environmental Response, Compensation, and Liability
- Act (CERCLA) [42 United States Code (U.S.C.) §9601, et seq.], the National Contingency Plan
- (NCP) [40 Code of Federal Regulations (C.F.R.) Part 300], and the Director's Final Findings and
- Orders (DFFOs) [June 10, 2004]. If residual contamination is left in place after the CERCLA
- remediation process is complete and the contamination still poses a potential for unacceptable
- risks or exceeds cleanup standards, then the Record of Decision (ROD) for the Areas of
- Concern/Munitions Response Sites (AOC/MRS) will require LUCs in accordance with the
- approved Remedial Design (RD).
- LUCs include any physical, legal, or administrative mechanism that places restrictions on the use
- of, or limits access to, real property to prevent exposure to contaminants at concentrations greater
- 239 than permissible levels or other safety issues. The intent of using these controls is to protect the
- integrity of the remedy (if present), human health, and the environment by limiting the activities
- that may occur at an AOC/MRS. When implemented, these LUCs provide protection to
- individuals using or working at the AOC/MRS by limiting and/or preventing activities which
- could potentially result in risks to those individuals. The Army is responsible for controlling
- land use on active installations such as Camp Ravenna and can internally restrict the use of such
- property. LUCs may include engineering controls such as fences, Seibert markers and signs, or
- administrative controls such as awareness training and restrictions on use including type of use
- and duration.
- 248 The Property Management Plan (PMP), dated August 2012, identifies LUCs and restrictions for
- specific AOCs/MRSs at Camp Ravenna and provides mechanisms to implement and manage
- 250 those LUCs. The PMP is required under Army Regulation (AR) 210-20 and satisfies
- 251 requirements of the DFFOs. The PMP lists general performance objectives of LUCs at Camp
- Ravenna as well as AOC/MRS specific LUCs detailed to address the concerns present on that
- particular AOC/MRS. According to Section 1.3 of the PMP, it is the responsibility of the Army
- to implement, inspect, maintain and enforce LUCs set forth under the RVAAP Restoration
- 255 Program.

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1.5 Annual LUC Inspection and Monitoring Report Requirement

- 257 The PMP requires that the Army conduct a minimum of an annual inspection of the LUCs to
- confirm that the LUCs remain effective and still meet the LUC objectives, and also requires that
- 259 the results of the annual LUC inspection be included in an Annual LUC Monitoring Report to be
- submitted to the Ohio EPA for review and approval. The Annual LUC Monitoring Report is
- required to evaluate the status and effectiveness of LUCs with a description of how LUC
- deficiencies, including inconsistent land uses, were addressed. The Annual LUC Monitoring
- Reports will be used in the preparation of the CERCLA 121(c) Five-Year Review. This Annual
- 264 LUC Monitoring Report presents the following:

- RQL The 2016 Annual Report for the Ramsdell Quarry Landfill. The LUCS were instituted for RQL in December 2014. The first annual report for RQL was submitted on January 27, 2016. This is the second annual LUC report for RQL.
 - <u>WBG</u> The 2016 Annual LUC Monitoring Report for Winklepeck Burning Grounds. A summary of the quarterly monitoring and activities conducted during the Fiscal Year (FY) 2016 for WBG. This is the fourth annual report completed in accordance with the Final PMP dated August 2012.
- Additionally, the PMP requires that a written certification will be submitted with the Annual Monitoring Report that states whether or not the LUCs remain in place and are effective. The written certifications for both the RQL and WBL LUCs are presented in Section 4.4.

1.6 Annual Report for RQL in Compliance with OAC Rule 3745-27-14(A)(6)

RQL is a closed Municipal Solid Waste (MSW) facility that was closed in September 1990. As per the Ohio Administrative Code (OAC) Rule 3745-27-14 (Post-closure care of sanitary landfills) Section (A)(6), an annual report is to be submitted to the appropriate Ohio EPA district office and approved health department. The annual report is to contain information on the leachate collection system (if one exists) and the most recent updated post-closure cost estimate adjusted for inflation, and any change in the post-closure cost estimate required by OAC Rule 3745-27-16. Since the RQL does not have a leachate collection system, the annual report submitted in compliance with OAC Rule 3745-27-14(A)(6) will only contain the most recent updated post-closure cost estimate. The annual report containing the post-closure estimate for RQL is presented in Appendix A.

SECTION 2.0 ANNUAL LUC MONITORING REPORT FOR RAMSDELL OUARRY LANDFILL

2.1 Ramsdell Quarry Landfill

- 293 RQL encompasses approximately 14 acres in the northeastern portion of Camp Ravenna. RQL
- 294 was initially a stone quarry that was excavated 30 to 40 feet below existing grade until ceasing
- 295 quarrying operations in 1941. From 1946 to the 1950s, the bottom of the quarry was used to
- burn waste explosives from Load Line 1. Between 1941 and 1989, the western and southern
- sections of the abandoned quarry were used for landfill operations. No information is available
- regarding landfill disposal activities from 1941 to 1976, and no information is available on other
- activities at the quarry from the 1950s to 1976. Only nonhazardous solid waste was deposited in
- 300 RQL from 1976 until it was closed in 1989. In 1978, a portion of the abandoned quarry was
- permitted as a sanitary landfill by the State of Ohio. The sanitary landfill closed in 1990 under
- 302 State of Ohio solid waste regulations, and was covered by a clay cap covering approximately
- 303 four acres.

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- Although post-closure requirements for RQL under State of Ohio solid waste regulations only
- require that a quarterly inspection be conducted and an annual post-closure cost estimate be
- submitted, weekly inspections have been conducted at the site as a best management practice.
- The weekly inspections assess the condition of various aspects of the RQL, including (but not
- limited to) vehicular access, gate and fence condition, landfill and cap integrity, and groundwater
- monitoring well security. The weekly inspection sheets from October 21, 2015 through October
- 28, 2016 are available in the Camp Ravenna Environmental Office.
- A large amount of construction and miscellaneous debris was discovered during soil remediation
- and removal activities in the quarry bottom in June 2010. A portion of the debris was found to
- have asbestos-containing material (ACM) in them. After removing and disposing of the soil and
- construction debris (all considered as ACM), the area was backfilled and graded to the pre-
- 315 excavation elevation.

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- 316 RQL is managed as Restricted Access due to residual asbestos and contamination and the closed
- landfill. Permissible exposure parameters have been established for personnel accessing the
- RQL, and are defined as one hour/day for 250 days/year for 25 years. In order to enforce the
- Restricted Access status of the RQL, the following LUCs were established in December 2014:
- All digging or excavation within the quarry bottom is prohibited.
- Digging and excavation on the landfill cap will be regulated by the post-closure care plan and the Ohio solid waste regulations.
 - Permanent warning signs will be installed and maintained around RQL on the gates and on the chain-link and high tensile wire fence at 300 ft. centers to warn of the ACM hazard in the quarry bottom. The signs will meet the requirements of OAC 3745-20-07(B)(1)(b).
 - As no soil disturbing activities are allowed within the quarry bottom, OSHA asbestos training set forth at 29 CFR 1926.1101(k)(9)(vii) is not required. Any personnel entering the quarry bottom will be briefed of the asbestos hazards.

- In order to track exposure, personnel entering the Area of Concern (AOC) sign an access log
- sheet each time they enter and exit the AOC.
- **2.2 RQL Annual Inspection Form**
- Camp Ravenna Joint Military Training Center (Camp Ravenna)/ Former Ravenna Army
- Ammunition Plant (RVAAP) Land Use Control (LUC) Inspection Form for RVAAP-01
- Ramsdell Quarry Landfill AOC
- In accordance with the Camp Ravenna/former RVAAP PMP (dated August 2012) and Appendix
- A-2 and the Final Remedial Design for Soil and Dry Sediment at RVAAP-01 Ramsdell Quarry
- Landfill (RQL), a LUC inspection of RQL was conducted by Allan Brillinger (Vista Sciences
- Corporation) on behalf of Camp Ravenna on September 23, 2016.

According to LUCs set forth in the *Final Remedial Design for Soil and Dry Sediment at the RVAAP-01 Ramsdell Quarry Landfill*, dated 9 April 2014, and memorialized in the PMP, periodic monitoring of LUCs, in the form of site inspections, is required to be conducted by the Army to confirm that the LUCs remain effective and still meet LUC objectives for continued remedy protectiveness. Site inspections are required to be conducted on an annual basis and inspections of the solid waste landfill are conducted in accordance with State of Ohio solid waste regulations and the Ohio Environmental Protection Agency (Ohio EPA) Director's Final Findings and Orders (Ohio EPA 2004). Additional LUC inspections may be conducted when landfill inspections are conducted as needed. The required Annual LUC Report is to be submitted to the Ohio EPA for review and approval.

The inspections shall include the following:

 • Review of LUC training/inbriefs/maintenance and access logs and other documentation as applicable to RQL.

 • Evaluation of activities at RQL to ensure that all activities executed within RQL are in compliance with the established digging restrictions and established exposure limits (Security Guard/Maintenance Worker - one (1) hour/day for 250 days/year for 25 years).

o All digging or excavation within the quarry bottom is prohibited due to residual asbestos and contamination.

 Digging and excavation on the landfill cap will be regulated by the post closure care plan and the Ohio solid waste regulations.
Due to not meeting the industrial/commercial standard, exposure monitoring

 for the full-time facility employee must be conducted to ensure and document that exposure at the AOC is not above the established exposure limit set for the Security Guard/Maintenance worker of one (1) hour/day for 250 days/year for 25 years.

Inspection of warning signs on gates and fencing.
Inspection of ROL fencing and gates.

LUC deficiencies or inconsistent land uses that are identified must be reported and identified on the inspection form/report and must also be reported to the Army National Guard (ARNG)/Ohio Army National Guard (OHARNG).

374 Review of LUCs – Management/Corrective Action

Activities and Land Use:

a) This AOC is to be managed as Restricted Access and is restricted from residential land use. Has residential use occurred? Have other land uses or land use changes occurred?

No residential land use has occurred at the RQL. There have been no other land uses or land use changes over the past year.

b) What activities have occurred at RQL since last Inspection? Has any maintenance been performed at the AOC?

This is the second annual inspection of the RQL since the LUCs were instituted in December 2014. Minor soil depressions and animal burrows within the AOC and both on and off the landfill cap were filled with clean soil and seeded in November 2015, May 2016 and October 2016. Repair activities were conducted in accordance with solid waste regulations. Annual mowing was conducted for the RQL in mid-September 2016.

Weekly inspections were conducted in accordance with Ohio solid waste regulations. The weekly inspections sheets are available from the Camp Ravenna Environmental Office. Quarterly inspections were conducted by the Portage County Health Department. The quarterly inspection letters are presented in Appendix B.

Semi-annual groundwater monitoring activities were conducted at the RQL in May 2016 and October 2016.

c) Are activities at RQL being conducted in compliance with established digging restrictions and established exposure limits (exposure for full-time employees who access RQL must be tracked)?

The activities taking place at RQL are being conducted in accordance with the established digging restrictions. No digging has been conducted, only repair activities (soil fill) to repair any animal burrows or soil depressions on the landfill cap. Personnel exposure is being tracked with Log In sheets that any person entering and exiting the AOC must fill out. The completed Access Log sheets for October 2015 through September 2016 are presented in Appendix C.

d) Are the warning signs in place and functional? Please note condition and any deficiencies.

The warning signs are posted on the RQL LUC fence and gate as required. Signs that read "DANGER – Unauthorized Personnel Keep Out" and "Danger – Asbestos Waste Disposal Site – Do Not Create Dust – Breathing Asbestos is Hazardous to Your Health" are posted on the gates and the LUC fence every 300 feet.

e) Is the RQL fencing and gates intact and in good condition? Please note condition and any deficiencies.

The RQL fencing and gate are intact and in good condition. There are no deficiencies with the fence and gates.

Inspections and Reporting

Inspections are required on an annual basis. Periodic monitoring inspections may be conducted as needed. Are annual inspections being conducted as required? Have any additional inspections been completed?

The annual LUC inspection was conducted on September 23, 2016. Other inspections at the AOC include those inspections required for the landfill in accordance with solid waste regulations. As a best management practice, the solid waste landfill is inspected weekly. The weekly RQL inspection forms are on file at the Camp Ravenna Environmental Office. Additionally, the Portage County Health Department conducted three quarterly inspections of the landfill and the Camp Ravenna Environmental Office conducted a quarterly inspection of the landfill in September 2016. The Quarterly Inspection letters are presented in Appendix C. Photographs of the RQL LUC area taken during the annual inspection are presented in Appendix D.

An Annual Report is required. Has the annual report been completed and submitted to the Ohio EPA?

The RQL LUCs were instituted in December 2014. The first annual report was submitted to the Ohio EPA on January 27, 2016. This is the second annual inspection and report for the RQL LUCs.

Training/Inbriefs (as applicable to RQL):

Are RQL LUC training and/or inbriefs (for those who need to access RQL) being conducted as applicable? Describe the training (content/who attended/who provided/documentation of training).

LUC training is provided annually to all Camp Ravenna staff and tenant units at Camp Ravenna, and was conducted on February 23 and 25, 2016. The LUC training is typically provided by Katie Tait and/or Tim Morgan, Camp Ravenna-Environmental. The training provides an overview of the history of the facility, the ongoing cleanup work, the location of the cleanup sites, any land use controls/restrictions on AOCs/Munitions Response Sites (MRS), and specific LUC and other restrictions for RQL, as well as other areas at Camp Ravenna. Training materials and rosters are on file in the Camp Ravenna Environmental Office. Training was conducted for additional Camp Ravenna staff that missed the February training dates as needed.

A "Land Use Control (LUC) Brief for Contractors/Personnel" was conducted for all personnel/contractors that entered the RQL LUC area (required on an annual basis). The

training consisted of a review of the RQL site history, the environmental hazards present at the RQL, the LUC s that have been instituted, and the requirements of all personnel that enter the LUC area. All personnel that have received the brief sign the briefing form that states that they have been briefed and understand the RQL LUC requirements, and that they will comply with all requirements. The briefing was provided for 27 personnel throughout the reporting period. The signed briefing forms are kept on file at the Camp Ravenna Environmental office.

If training was not provided, explain why and what corrective actions were initiated.

Not applicable.

Is access to RQL for full-time employees of the facility being logged in order to track exposure? Please review access logs to ensure exposure is within the established exposure limits.

Access for all personnel entering the RQL LUC area are being tracked with the Access Log. The established exposure limits are one (1) hour/day for 250 days/year for 25 years. The most any one worker was working inside the RQL area from October 23, 2015 through October 31, 2016 was 20 hours for a Maintenance Worker. The Maintenance Worker that had the 20 hours within the LUC area spent 7 hours conducting soil repairs and 13 hours mowing. Therefore exposure is within the established exposure limits.

LUC Violations (if any):

Description of any observed/noted LUC violation(s) as identified.

No LUC violations were noted during the reporting period (October 2015 through October 2016).

Date of Notification of LUC violations (if applicable) to ARNG/OHARNG:

Not applicable.

Description of any corrective actions taken to remedy observed LUC violations or recommended corrective actions:

Not applicable.

Additional Notes/Comments:

Original Inspection Completed by:

Signature:

Printed Name: Allan B. Brillinger

Clan B. Bul

Title: Program Manager

Organization: Vista Sciences Corporation

Date: September 23, 2016

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SECTION 3.0 ANNUAL LUC MONITORING REPORT FOR WINKLEPECK BURNING GROUNDS

3.1 Winklepeck Burning Grounds

- As described in the Property Management Plan (PMP), WBG encompasses 211.66 acres and is located in the central portion of Camp Ravenna (see Appendix F maps). The burning grounds area has been in operation since 1941. Prior to 1980, burning was conducted on the bare ground
- and the ash was abandoned at the site. Wastes treated in the area included Research Department
- Explosive (RDX), antimony sulfide, Composition B, lead azide, trinitrotoluene (TNT),
- propellants, black powder, waste oil, sludge from the load lines, domestic wastes, and small
- amounts of laboratory chemicals. From 1980 until 1998, periodic burning of scrap explosives,
- propellants, and explosive-contaminated waste materials (e.g., wipe rags, paper, and cardboard)
- was conducted in raised refractory-lined metal trays within a 1.5-acre area. A Part-B permit
- covering the active portion of the site was withdrawn in 1994. The burn trays along the with the
- 90-day storage unit of Building 1601 were closed in accordance with Ohio Environmental
- Protection Agency (Ohio EPA) guidance in 1998. Munitions and Explosives of Concern (MEC)
- is present in the AOC. The previously applied remedy at the WBG AOC consisted of excavation
- of contaminated soil to preclude likely exposure through human contact. A portion of that
- remedy resulted in hazardous substances, pollutants, or contaminants remaining greater than
- levels that allow unlimited use and unrestricted exposure. Therefore, a component of the
- remedial action at the WBG AOC includes LUCs which are detailed in Section A-1.6 of the
- 396 PMP.

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- Per the PMP, the land use for the WBG is *Small Arms Range* (including the existing Mark [MK]
- 398 19 Grenade Machinegun Range) for the OHARNG Military Use and Training. The Department
- of the Army has classified the Small Arms Range as an Operational Range at the WBG AOC.
- 400 The Small Arms Range Land Use, in terms of the Risk Assessment, was created to assess
- specific training activities that would occur on a small arms range and was developed to assess
- 402 risks to OHARNG personnel. In addition to the small arms training, certain activities are
- 403 required to sustain and maintain the area as a range, such routine maintenance and activities are
- 404 permitted if conducted by authorized personnel. More specific maintenance activities that are to
- be performed by the National Guard Range Maintenance Soldier and/or other similar authorized
- personnel on the WBG AOC can be found in the PMP.

3.2 LUC Quarterly Inspection and Report Mechanisms for WBG

- The PMP states that site inspections will be conducted on a quarterly basis at WBG. The WBG
- 409 Inspectors Quarterly Inspection Report Form completed for each quarter of FY 2016 states that
- all quarterly inspections include evaluation of the following:
- Review of LUC training and documentation as applicable to WBG.

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- Evaluation of the facility perimeter fence to ensure that it is maintained in a manner that is protective and effective and deters trespassers.
 - Evaluation of activities at WBG to ensure that all activities executed within WBG are in compliance with OHARNG range safety regulations/standard operating procedures (SOPs), established digging restrictions, and established exposure limits. All digging, intrusive activities, or excavation on the WBG AOC outside of the Unexploded Ordnance (UXO)/ MEC-cleared areas within the MK-19 Grenade Machinegun Range is prohibited with the following exceptions:
 - O Routine maintenance of roads, ditches, culverts and activities listed in A-1.4 of the PMP (maintenance of targetry and associated lifting mechanisms, range maintenance activities including removal of practice rounds, vegetation management, compatible natural resource management activities, nuisance wildlife control, drainage maintenance, wetland delineation, grassland management, scientific research and sampling activities);
 - o Ground surface repairs by authorized range personnel in support of authorized range activities;
 - O Digging along target array areas by authorized range personnel to a depth of one (1) foot below ground surface (bgs).

This shall also include evaluation of required range signage. The range is required to be marked with signage in conformance with the requirements of the current Department of Army regulations.

- Evaluation of groundwater activities to ensure that any groundwater activities are being conducted in a manner consistent with established LUCs. Groundwater use or extraction of groundwater located at or underlying the WBG AOC or any portion thereof is prohibited, except for the following:
 - o The installation, development, purging, and sampling of new or existing monitoring wells in accordance with the most recent Facility-Wide Sampling and Analysis Plan (FWSAP) as part of the AOC-specific IRP or Facility-Wide Ground Water Monitoring Program Plan (FWGWMPP).
 - O The abandonment and replacement of monitoring wells damaged by activities conducted on the Installation and wells no longer utilized as part of IRP or FWGWMPP activities, in accordance with Ohio EPA guidance, the most recent FWSAP, and applicable Ohio Administrative Code requirements.

Four quarterly LUC inspection were conducted during FY 2016. The LUC inspections generally consisted of the following:

- An inspection of the Camp Ravenna perimeter fence.
- A review of current land uses at WBG to determine if they are in compliance with the LUCs.
- A review of activities at WBG since the previous inspection to determine if they are in compliance with the LUCs.
- A review of required warning signage.
- A review of training applicable to WBG LUCs.
- A description of any noted LUC deficiencies, any corrective actions taken to remedy the LUC deficiencies, and/or any recommended corrective action.

- The following WBG quarterly inspections were conducted in FY 2016 by Don Trocchio of Vista Sciences Corporation:
 - FY 2016 First Quarter Land Use Control Inspection, RVAAP-05 Winklepeck Burning Grounds (report dated April 4, 2016, inspection completed December 11, 2015). This report is included in Appendix F.
 - FY 2016 Second Quarter Land Use Control Inspection, RVAAP-05 Winklepeck Burning Grounds (report dated April 19, 2016, inspection completed January 28, 2016). This report is included in Appendix G.
 - FY 2016 Third Quarter Land Use Control Inspection, RVAAP-05 Winklepeck Burning Grounds (report dated August 26, 2016, inspection completed April 28, 2016). This report is included in Appendix H.
 - FY 2016 Fourth Quarter Land Use Control Inspection, RVAAP-05 Winklepeck Burning Grounds (report dated September 29, 2016, inspection completed July 28, 2016). This report is included in Appendix I.

3.3 Land Use Control Awareness Training

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- Section 4.2 of the PMP, Land Use Control Awareness Training, describes requirements and
- 473 guidelines for LUC awareness training at the facility. LUC awareness training for Camp
- Ravenna staff and tenant units was conducted on February 23 and 25, 2016, and is provided
- annually to all Camp Ravenna staff and tenant units at Camp Ravenna. Formal LUC training has
- been conducted since 2006 and refresher training is given annually to all personnel. The LUC
- 477 training is typically provided by Katie Tait and/or Tim Morgan, Camp Ravenna-Environmental.
- 478 The training provides an overview of the history of the facility, the ongoing cleanup work, the
- location of the cleanup sites, any land use controls/restrictions on AOCs/Munitions Response
- 480 Sites (MRS), and included specific restrictions for WBG. Annual training is conducted
- throughout the year as needed for additional Camp Ravenna staff.
- 482 Using units also receive an in-brief prior to firing on the range. Using units and tenant units at
- Camp Ravenna are not allowed down range. Environmental contractors who access WBG are
- also provided with an in-brief which informs them of the LUCs/restrictions at the AOC. They
- must read and sign the in-brief form. The briefing was provided for 41 personnel throughout the
- reporting period. Training records are kept on file in the Camp Ravenna Environmental Office.

3.4 Camp Ravenna Perimeter Fence

- 488 Currently, the only facility-wide engineering control for the AOCs/MRSs is the perimeter fence,
- as listed in Section 4.1.1 of the PMP. The Camp Ravenna perimeter fence is situated mostly in
- 490 Portage County, Ohio, with a small portion (see maps in Appendix E FY 2016 Quarterly Land
- 491 Use Control Index Maps) extending easterly into western Trumbull County, Ohio. The entire
- 492 perimeter fence was inspected for each of the FY 2016 quarterly inspections.
- The majority of the original Camp Ravenna perimeter fence is approximately seventy years old.
- 494 Most, but not all, of the perimeter fence situated within Trumbull County is less than
- approximately ten years old. Typically, but not all, of the perimeter fence consists of a six foot
- high chain link fence fabric with steel I-beam shaped posts set on 10 to 12 foot centers set in
- 497 concrete footers. The top and bottom of the fence fabric is reinforced with a horizontal pipe

- running along the entire length. On top of each post is a V bracket with six strands of 15-gauge
- barb wire, three strands inward facing and three strands outward facing. Twenty-six access gates
- are scattered throughout the approximate 30 miles of perimeter fencing evaluated (see maps in
- Appendix E FY 2016 Quarterly Land Use Control Index Maps). Most of the former railroad
- access gates have been welded shut along with a few vehicle access gates that are no longer used.
- In addition to documenting compliance with training, operation, and maintenance requirement
- set forth in the PMP, quarterly inspections also identify, document, and map major defects along
- the perimeter fence for future repair. In the inspector's judgment, a major defect was considered
- a breach in the fence through which an adult could gain unlawful access to the facility.
- Additionally, during the evaluation, major defects noted in previous inspections were visited and
- repairs logged if completed or ongoing. Geographical Information System (GIS) raw field data
- 509 collected from the inspections were reduced and compiled in ESRI Arc Map. Index Maps
- depicting the call outs along with Detail Maps and photographs of each call out were prepared
- and submitted along with the WBG Inspectors Quarterly Inspection Report Form. Final
- approved versions of each FY 2016 Quarterly LUC Inspection Report are included in
- Appendices F, G, H, and I of this report.
- The four quarterly inspections performed in FY 2016 reported a total of 30 documented major
- defects in the perimeter fence. Of this total, 28 repairs were performed and documented in the
- FY 2016 quarterly inspection reports. See Appendix J for a table of all perimeter fence defect
- 517 call outs identified and repaired in FY 2016. When a major defect is noted during the LUC field
- 518 inspection the Army is notified via email detailing the date and location. The date of notification
- is included in the quarterly LUC inspection report under "Section 6. Date of notification of LUC
- 520 violation (if applicable)."
- The Camp Ravenna maintenance crews are limited to making only minor fence repairs. Repair
- logs make reference to "contractor needed" on some call out sections where more extensive
- repairs are required. An example would be storm washouts (i.e., SE2A) along the perimeter road
- that continue to damage the perimeter fence. Culvert pipe inlets and outlets become clogged
- with debris, old corrugated metal culvert pipes have rusted and collapsed and some pipe sizes are
- unable to handle the storm runoff, all contributing to the washouts along the perimeter road.
- 527 It should be noted that only repairs of defects called out and included in previous LUC
- Inspection Reports are conveyed in the detail sheets of the subsequent LUC Inspection Reports.
- These repairs are documented in repair logs kept by the Camp Ravenna Maintenance Crews and
- are included with the quarterly reports in Attachment 2 Camp Ravenna Fence Repair Log
- 531 (Appendices F, G, H, and I of this report). Numerous minor repairs (consisting of patching
- smaller openings in the fence fabric, replacing missing/broken barb wire, repairing frost heaved
- posts, removing fallen trees and branches resting on top of the fence) that were not sited during
- the LUC field inspection, were, and continue to be, repaired by the Camp Ravenna
- staff/maintenance crew and are not documented in repair logs. Overall, the perimeter fence at
- 536 Camp Ravenna is intact and in good condition, and is an effective LUC for the WBG.

537 SECTION 4.0 CONCLUSION

538 4.1 General LUC Training

- The OHARNG provided training to all Camp Ravenna staff and tenant units including an
- overview of the history of the facility, the ongoing cleanup work, the location of the cleanup
- sites, any land use controls/restrictions on AOCs/MRSs, and specific restrictions for RQL and
- 542 WBG (See Section 2.2 and 3.3). All training requirements presented in the PMP were met by the
- 543 OHARNG in FY 2016. Training compliance is demonstrated in the RQL Inspection Form
- (Section 2.2) and in the FY 2016 Quarterly LUC Inspection Reports for WBG that are included
- in Appendices F, G, H, and I of this report. Training materials and rosters are on file in the
- 546 Camp Ravenna Environmental Office.

547 4.2 Land Use Consistency and Land Use Control Effectiveness at RQL

- The land use at RQL is Restricted Access due to residual asbestos, contamination and the closed
- landfill. Based on the completed weekly and quarterly inspections (for the landfill) and the
- annual inspections at RQL (2015 and 2016), there are no inconsistent uses or activities
- discovered or reported at RQL. All activities conducted within the RQL AOC were performed in
- compliance with established digging restrictions, and established exposure limits as described in
- the PMP. This indicates current LUC objectives are being met to ensure the remedy is effective
- and protective.

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- An in-brief was provided to all personnel entering the RQL LUC area that included an overview
- of the history of the RQL, the land use controls/restrictions, and specific restrictions for RQL.
- All training and maintenance requirements specific to the RQL LUC were met by the OHARNG
- during this reporting period and is documented in the pages of this report.

4.3 Land Use Consistency and Land Use Control Effectiveness at WBG

- Per the PMP, the land use for the WBG is Small Arms Range (including the existing MK-19
- 561 Grenade Machinegun Range) for the OHARNG Military Use and Training. Based on the
- 562 completed inspections during FY 2016, there were no inconsistent uses or activities discovered
- or reported at WBG. All training and activities conducted within the WBG AOC were
- performed in compliance with OHARNG range safety regulations/SOP, established digging
- restrictions, and established exposure limits as described in the PMP. This indicates current
- LUC objectives are being met to ensure the remedy is effective and protective of human health
- and the environment.
- The LUCs for the WBG AOC were evaluated quarterly in FY 2016 as stated in the PMP using
- the parameters listed in Section 3.1 LUC Quarterly Inspection and Reporting Mechanisms for
- WBG. These Quarterly LUC Inspections show all LUCs requirements presented in the PMP for
- WBG remained in place and were effective through FY 2016.
- Units that utilize the range at WBG also receive an in brief prior to firing on the range and are
- 573 not allowed down range. Contractors who access WBG are also provided with an in-brief which
- informs them of the LUCs/restrictions at the AOC. All training, operation, and maintenance
- 575 requirements specific to WBG presented in the PMP were met by the OHARNG in FY 2016 and

is documented in the FY 2016 Quarterly LUC Inspection Reports included in Appendix F, G, H, 576 and I of this report. 577 4.4 Land Use Control Deficiency Corrective Action at RQL and WBG 578 579 The main purpose of inspecting and monitoring LUCs is to identify and correct LUC deficiencies and violations. LUC inspection reports allow the OHARNG to document consistent land use, as 580 well as corrective action if deficiencies are encountered. 581 582 For the RQL, inspections were conducted by personnel familiar with the RQL so that changes (if 583 present) were readily noted. Minor fence repairs and soil cover deficiencies were noted and 584 corrected as weather conditions allowed. There repairs were tracked throughout the year to 585 monitor their effectiveness. 586 For the WBG, each quarterly inspection has been conducted using the same parameters, resulting 587 in a uniform and concise system of identification and repair of perimeter fence defect call outs. 588 Of the total number of perimeter fence defect call-outs identified, approximately 80% were 589 repaired by the next quarterly inspection. 590 4.5 Land Use Control Effectiveness Certification 591 This certifies that to the best of my knowledge and belief all of the information contained in this 592 Annual LUC Monitoring Report is accurate, and that the Land Use Controls instituted for the 593 Ramsdell Quarry Landfill and the Winklepeck Burning Grounds are in place and remain 594 effective. 595 596 597 598 599 600 601 Allan B. Brillinger 602 (printed name) 603 604 605 606 Program Manager, Vista Sciences Corporation

(Title).

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608	SECTION 5.0	REFERENCES
609	Final Property Mana	agement Plan for the Designated Areas of Concern and Munitions Response
610	Sites, Volume One -	- Version 1.0. U.S. Army Corps of Engineers. August 2012.
611		
612	Ravenna Army Amr	munition Plant Restoration Program website: www.rvaap.org
613	Final Remedial Action	on Report for Soil and Dry Sediment at RVAAP-01 Ramsdell Quarry
614	Landfill, Ravenna A	rmy Ammunition Plant, Portage and Trumbull Counties, Ohio. US Army
615	Corps of Engineers.	January 30, 2015
616		
617		

Appendix A

RQL Annual Report in Compliance with

OAC Rule 3745-27-14(A)(6)

(The RQL Annual Report in Compliance with OAC Rule 3745-27-14(A)(6) will be included in the Final 2016 Annual Land Use Monitoring Report, RVAAP-01 Ramsdell Quarry Landfill and RVAAP-05 Winklepeck Burning Grounds)

Appendix B

Quarterly RQL Inspection Reports

STATE OF OHIO ADJUTANT GENERAL'S DEPARTMENT CAMP RAVENNA JOINT MILITARY TRAINING CENTER

1438 State Route 534 SW Newton Falls, OH 44444

12 November 2015

Environmental Office

Colum McKenna, Project Manager Ohio Environmental Protection Agency Division of Emergency and Remedial Response 2110 East Aurora Road Twinsburg, Ohio 44087-1924

Reference: Closed Ramsdell Quarry Landfill Status Report

Dear Mr. McKenna,

On October 30, 2015, the subject Landfill was inspected by Portage County General Health District (see attached inspection report).

The Camp Ravenna Joint Military Training Center Support Services Contractor, Vista Sciences Corporation, conducts weekly inspections of the conditions of the landfill cap. A copy of the weekly inspection conducted on October 30, 2015 is also attached for your records. No deficiencies have been detected since January 1, 2006. These inspection reports are available for your viewing at the Vista office located at Camp Ravenna Environmental Office.

If you have any further questions or require further clarification concerning this subject, please feel free to contact the undersigned at (614) 336-6568 or timothy.m.morgan.nfg@mail.mil at any time. The OHARNG is committed to environmental excellence and compliance and will work with the Ohio EPA should any issues ensue. Thank you for your time and consideration in this matter.

Sincerely,

Timothy M. Morgan

Fort Ohio Environmental Supervisor

cc: Mark Leeper Katie Tait Kevin Sedlak Rod Beals Bob Princic

PORTAGE COUNTY COMBINED GENERAL HEALTH DISTRICT

705 Oakwood Street Suite 208 Ravenna, Ohio 44266

Joseph J. Diorio, MPH, MS, RS Health Commissioner Phone: 330-296-9919 Fax: 330-297-3597

E-mail: pchd@portageco.com



Web: www.co.portage.oh.us/dept/healthdepartment

November 3, 2015

Al Brillinger Vista Sciences Corp. 1438 St. Rt. 534 SW Newton Falls, OH 44444

RE: Ramsdell Quarry Inspection

Dear Mr. Brillinger:

On October 30, 2015, I conducted a comprehensive inspection at Ramsdell Quarry. The weather was partly cloudy, about 55° F and pleasant. The slopes of the quarry are well vegetated and there were no serious issues.

No violations of Post Closure Rules were noted. Thank you for your cooperation and efforts.

If you have any questions, you can contact me at this office weekday mornings between 8:00 a.m. and 10:00 a.m. at (330) 296-9919 Ext. 116 or email at jmadved@portageco.com.

Sincerely,

Jack Madved, R.S.

JM:maa

cc: Portage County Commissioners

Bill Steiner, Director of Portage County Solid Waste Management

Colum McKenna, Northeast District of OEPA

Enclosure



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WEEKLY INSPECTION OF RAMSDELL QUARRY LANDFILL

Time: Started 11:00	(am/pm) Completed	in previous night = morning (am/pm)
Type of inspection: Windshiel	d Site Walk	Other
Inspected	Status/Condition	Comments
Vehicular Access	Good	
2. Entrance		
a. Gate/Chain	Good	both gates locked
3. Landfill Site/Cap Integrity		
a. Vegetative Cover	good	
b. Standing Water on Cap	nal	
c. Animal Disturbances	minor	cap not comprimised
d. Woody Vegetation	2000	
e. Gully Erosion/Soil Cover	exood	
f. Runoff, Siltation	none	
g. Leachate	none	
4. Monitoring Wells (5)		
a. Locks in place?	good	
b. Condition of Casing	good	
c. Well ID Legible	yes	
	0	
5. Comments:		
accompanied by Jack	Madred (Portage 4	o. Health), Colum McKenna (OE
Katie Tait and Bro	ad Kline (OHARNG)	
6. Description of Repairs/Remed	lial Action needed:	
		filled

STATE OF OHIO ADJUTANT GENERAL'S DEPARTMENT CAMP RAVENNA JOINT MILITARY TRAINING CENTER

1438 State Route 534 SW Newton Falls, OH 44444

28 March 2016

Environmental Office

Jack Madved Portage County Combined General Health District 705 Oakwood Street, Suite 208 Ravenna, Ohio 44266

Reference: Closed Ramsdell Quarry Landfill Status Report

Dear Mr. Madved,

On March 9, 2016, the subject Landfill was inspected by Portage County General Health District (see attached inspection report). In the future please send these inspection reports and related correspondences to the Ohio Army National Guard at:

ATTN: Tim Morgan Fort Ohio Environmental Supervisor Camp Ravenna Joint Military Training Center 1438 State Route 534 SW Newton Falls OH 44444

The Camp Ravenna Joint Military Training Center Support Services Contractor, Vista Sciences Corporation, conducts weekly inspections of the conditions of the landfill cap. These inspection reports are available for your viewing at the Vista office located at Camp Ravenna Environmental Office. A copy of the weekly inspection conducted on March 9, 2016 is also attached for your records.

The items noted in the attached inspection report will be addressed in the near future. By 30 May 2016 the depressions indicated in items 1 and 2 of the attached report will be filled and seeded. The water seep area indicated in item 3 will be monitored every two weeks and the condition discussed at the next quarterly inspection.

If you have any further questions or require further clarification concerning this subject, please feel free to contact the undersigned at (614) 336-6568 or timothy.m.morgan.nfg@mail.mil at any time. The OHARNG is committed to environmental excellence and compliance and will work with the Ohio EPA should any issues ensue. Thank you for your time and consideration in this matter.

Sincerely,

Timothy M. Morgan

Fort Ohio Environmental Supervisor

cc: Mark Leeper, ARNG
Katie Tait, OHARNG
Kevin Sedlak, ARNG
Josh Adams, Ohio EPA
Bob Princic, Ohio EPA
Jay Trumble, USACE-Louisville

PORTAGE COUNTY COMBINED GENERAL HEALTH DISTRICT

705 Oakwood Street Suite 208 Ravenna, Ohio 44266

Kaveilla, Olilo 44200

Phone: 330-296-9919 Fax: 330-297-3597

E-mail: pchd@portageco.com

Web: www.co.portage.oh.us/dept/healthdepartment

Joseph J. Diorio, MPH, MS, RS Health Commissioner

March 16, 2016

CERTIFIED MAIL #9171 9690 0935 0112 3904 78

Al Brillinger Vista Sciences Corp. 1438 St. Rt. 534 SW Newton Falls, OH 44444

RE: Ramsdell Quarry Inspection

Dear Mr. Brillinger:

On March 9, 2016, I conducted a comprehensive inspection at Ramsdell Quarry. The weather was cloudy, about 67° F and pleasant. The slopes of the quarry are well vegetated and there were no serious issues.

There were several areas on the landfill that are of concern.

- 1. There is a small slump or depression on the northwest base of the slope.
- 2. A small slump or depression on the central west slope.
- 3. A leachate or water seep on the toe of the southwest slope. This area may need more attention to determine the effective remediation of this issue.

If you have any questions, you can contact me at this office weekday mornings between 8:00 a.m. and 10:00 a.m. at (330) 296-9919 Ext. 116 or email at jmadved@portageco.com.

Sincerely,

Jack Madved, R.S.

JM:mas

cc: Portage County Commissioners

Bill Steiner, Director of Portage County Solid Waste Management

Joshua Adams, Northeast District of OEPA

Enclosure



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STATE OF OHIO ADJUTANT GENERAL'S DEPARTMENT CAMP RAVENNA JOINT MILITARY TRAINING CENTER

1438 State Route 534 SW Newton Falls, OH 44444

14 July 2016

Environmental Office

Joshua Adams, Environmental Specialist II Ohio Environmental Protection Agency Division of Emergency and Remedial Response 2110 East Aurora Road Twinsburg, Ohio 44087-1924

Reference: Closed Ramsdell Quarry Landfill Status Report

Dear Mr. Adams,

On June 6, 2016, the subject Landfill was inspected by the Portage County General Health District (see attached inspection report).

The Camp Ravenna Joint Military Training Center Support Services Contractor, Vista Sciences Corporation, conducts weekly inspections of the conditions of the landfill cap. A copy of the weekly inspection conducted on June 10, 2016 is also attached for your records. These inspection reports are available for your viewing at the Vista office located at Camp Ravenna Environmental Office.

If you have any further questions or require further clarification concerning this subject, please feel free to contact the undersigned at (614) 336-6568 or timothy.m.morgan.nfg@mail.mil at any time. The OHARNG is committed to environmental excellence and compliance and will work with the Ohio EPA should any issues ensue. Thank you for your time and consideration in this matter.

Sincerely,

Timothy M. Morgan

Fort Ohio Environmental Supervisor

Attachments

cc: Mark Leeper NGB

Katie Tait – ARNG Camp Ravenna Kevin Sedlak – ARNG Camp Ravenna Rod Beals – Ohio EPA

Bob Princic - Ohio EPA

Jay Trumble – USACE Louisville

PORTAGE COUNTY COMBINED GENERAL HEALTH DISTRICT

705 Oakwood Street Suite 208 Ravenna, Ohio 44266 Phone: 330-296-9919 Fax: 330-297-3597

E-mail: pchd@portageco.com



Joseph J. Diorio, MPH, MS, RS Health Commissioner Web: www.co.portage.oh.us/dept/healthdepartment

June 10, 2016

Al Brillinger Vista Sciences Corp. 1438 St. Rt. 534 SW Newton Falls, OH 44444

RE: Ramsdell Quarry Inspection

Dear Mr. Brillinger:

On June 6, 2016, I conducted a comprehensive inspection at Ramsdell Quarry. The weather was sunny, about 76° F and pleasant. The slopes of the quarry are well vegetated and there were no serious issues.

If you have any questions, you can contact me at this office weekday mornings between 8:00 a.m. and 10:00 a.m. at (330) 296-9919 Ext. 116 or email at jmadved@portageco.com.

Sincerely,

Jack Madved, R.S.

JM:mas

cc: Portage County Commissioners

Bill Steiner, Director of Portage County Solid Waste Management

Joshua Adams, Northeast District of OEPA

Enclosure



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Ohio EPA	Vac	n) · (advid		_					
Other		-				-	-		-	
column to Please ma	orehensive sed ve site being ope denote compliar	erated in connce status. M	red spection spliance with larking the	th the fo	ne N	00	olum	ations? Please mark the n indicates that a violation of is not all inclusice of re	n has been noted.	
N N/A	morpa, coma wac	io ia ia iii.			Y	N	N/A			
	3745-27-14 Post closure care of MSW Landfills (A) Post-closure care activities			dfills	/			(5) Monitoring and reporti	ng requirements of OAC	
				Yes 1				3745-27-10, 3745-27-12, 3745-76		
1	(1) Leachate management, surface water management, explosive gas extraction and monitoring, ground water monitoring system				-			(6) Annual report (7) Record keeping		
+ 1 ((2) Integrity of cap system							(D) Facility access		
1 ((3) Repair leachate outbreaks				1		×	Provide access to facility for Ohio EPA and local		
1 1	(4) Quarterly inspections-report to Ohio EPA within 15 days						health department inspections			
High ADC.	Sunay grass s dry ition -	will,	6e	c.t 550e	3	5	e fo.	re Sept. ofed From	6.6-16	

PORTAGE COUNTY COMBINED GENERAL HEALTH DISTRICT

705 Oakwood Street Suite 208 Ravenna, Ohio 44266 Phone: 330-296-9919 Fax: 330-297-3597

E-mail: pchd@portageco.com



Joseph J. Diorio, MPH, MS, RS Health Commissioner Web: www.co.portage.oh.us/dept/healthdepartment

October 27, 2016

Al Brillinger Vista Sciences Corp. 1438 St. Rt. 534 SW Newton Falls, OH 44444

RE: Ramsdell Quarry Inspection

Dear Mr. Brillinger:

On October 26, 2016, I conducted a comprehensive inspection at Ramsdell Quarry. The weather was cloudy, about 45° F and pleasant. The animal burrows noted have been filled and plugged. The slopes of the quarry are well vegetated and there were no serious issues.

If you have any questions, you can contact me at this office weekday mornings between 8:00 a.m. and 10:00 a.m. at (330) 296-9919 Ext. 116 or email at jmadved@portageco.com.

Sincerely,

Jack Madved, R.S.

JM:mas

cc: Portage County Commissioners

Bill Steiner, Director of Portage County Solid Waste Management

Joshua Adams, Northeast District of OEPA

Enclosure



Facilit	y Name R	nsdell Quan	r /								
Addre	SS		- (
Date	10-26-	16		Tim	пе						
nspec	ction Representative	化阿特克克 医克尔特氏 医克克特氏病						-4 H			
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ealth	District J	Milial		7		7					
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ther		mun j	1								
spec	tion Type	Reason for Inspection									
	omprehensive	Required	Oth	ner				SESSE SEE			
-	ocused	Re-Inspection					in the state of th				
	(A) Post-closure of		ndfills	7			(5) Monitoring and reporting requirements of OA 3745-27-10, 3745-27-12, 3745-76	AC			
_	d municipal solid was		7:1 (10 % XII)	Y	N	N/A					
	(A) Post-closure care activities					3745-27-10, 3745-27-12, 3745-76					
-		agement surface water losive gas extraction and		1			(6) Annual report	-			
		d water mohitoring system	>	1			7) Record keeping				
	(2) Integrity of cap	system		1	1		(D) Facility access	OLI EDA and least			
	(3) Repair leachat		or date to			Provide access to facility for Ohio EPA and loca health department inspections					
	(4) Quarterly inspect	ections-report to Ohio EPA	within								
nl niv	not between steel out of the Clo-d.	ter to DEPA filled my Horenes noted served	lar			~''	office, discurs the facility, inspection re				
	T. Malv. nt Name of Inspector C	_		9	1	Signa	Thile Date	1			

Appendix C

RQL Access Logs

Name	(i.e., mowing, gw sampling, etc)		Areas Accessed (please choose and check)			
Al Brillinger - VSC	9-11-15	11:10	11:30	Weekly inspection	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
GARY, B.	10-1-19	1110	4:00 Pm	nauny	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
GARY, B.	10-2,15	-8:00	4:66		☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Al Brillinger	10-Z-15	10:00-	10:15	wheekly inspection - check on mowing ops.	☐ Quarry bottom ☐ Groundwater monitoring wells ☑ Landfill cap	
GARY. B	16.21	800-	4:30 Py	maning	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
GARY. B	10-6-15	8:00	4:30 71		☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
GARY. B.	10.7.15	10:00	4.3012	an fund	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Al Brillinger	10-15-15	1:45pm	2:30 pm	· Weakly Inspection	□ Quarry bottom □ Groundwater monitoring wells □ Landfill cap	
Al Brillings	10.30.15	11:00 am	11:35	· wanterly inspection		
Colum McKenna	10/30/15	11:00 Au	11:35	Quetely Inspection	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	

Name	30 Oct 1100 2015		Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check) □ Quarry bottom □ Groundwater monitoring wells > Landfill cap	
Bred Kline				Quantily Inspection		
Jack Madred	Jack Medied 30 Oct 1100 1135 Quarterly Inspection		☐ Quarry bottom ☐ Groundwater monitoring wells ☑ Landfill cap			
Katre Tait	atre Tait 300ct 1100 1135 Quarterly Inspection		☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap			
GARY, B	11/24	1:00	4.15	Fill Holes	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Al Brillinger	11/25/13	10:50	11:10	weekly inspecting	□ Quarry bottom □ Groundwater monitoring wells ➤ Landfill cap	
Becky Honey	11/45/15	10:50	11.40	Weekly Inspection	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
Al Brillinger	01/22/16	11:05	11:40	Weekly Inspection	Quarry bottom Groundwater monitoring wells Landfill cap	
Brid Kline	3/1/16	1028	1127	Runtale Inspection	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Gang Branswick Jank Mudved	3/9/16	10:30	1127	quarterly inspection	© Quarry bottom ☐ Groundwater monitoring wells © Landfill cap	
Ja-k Madred	3/9/16	10:30	1127	Quarterly Inst.	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	

Name	Date Time In		Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)	
JOSHUA ADAMS	9MAR	1030	1127	inspection	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Al Brillings/ VSC	3/24/16	12:35	12:50	inspection	☐ Quarry bottom☐ Groundwater monitoring wells ★Landfill cap	
Al Brillinger	4/8/10	12:00	12:20	weekly inspection	□ Quarry bottom □ Groundwater monitoring wells ☑ Landfill cap	
Al Brillinger Vsc	4/15/16	14:00	14:30	weekly inspection	 □ Quarry bottom □ Groundwater monitoring wells ▶ Landfill cap	
VENSTISHIN Elizabeth Kirby	4/18/16	1315	1400	well startallations	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
1	1	1420	1435	Well pump Installations	□ Quarry bottom Groundwater monitoring wells □ Landfill cap	
Ginalee, Amiletin Salvator, Bill Schelle	4/21/16	0945	1030	Solid waste telonis Recon	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Al Brillinger VSC	4/22/16	12:00	12:20	weekly inspectory	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
GARY B	5/3/	900	120	REPAIR CAP	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Al Brillinger - VSC	5/6/16	10:40	11:10	weekly inspection		

Name	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check) □ Quarry bottom □ Groundwater monitoring wells □ Landfill cap	
muto Ahmrel	5/12/16	0.825	1335	gir sampling		
Tomst John	5/12/16	0825	1400	GW Sampling	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
Charles Dusetzina	5/12/11	0825	1400	GW Sayling	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
AlBrillinger	5/20/16	11:30	11:50	weekly insp.	☐ Quarry bottom☐ Groundwater monitoring wells ☐ Landfill cap	
Al Brillinger	5/26/16	10:40	11:00	weekly insp.	☐ Quarry bottom ☐ Groundwater monitoring wells ※ Landfill cap	
Brad Kline	6/6/16	(000	1101	Quantuly Inspection	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Jack Madrel	6/6-116	10'00	1101	Quarterly Insp.	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
Al Brillinger VSC Becky Haney	6-10-16	11:00	11:30	weekly inspection	☐ Quarry bottom ☐ Groundwater monitoring wells Schandfill cap	
Al Brillinger vsc	6-24-16	11:32	-11:55	weekly inspecting	☐ Quarry bottom ☐ Groundwater monitoring wells > Landfill cap	
Al Brillinger VSC	7-8-16	10:10	10:20	weekly inspection	☐ Quarry bottom ☐ Groundwater monitoring wells ✓ Landfill cap	

Name	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)	
Katie Tait	7/14/16	1:20	2:00	The walk		
Brian Tucker	14 Jul 16	1:20	2:00	Siti walk	Quarry bottom Groundwater monitoring wells Alandfill cap	
(evin Palon be	14 July 16	1:20	2:00	Site walk	Quarry bottom Groundwater monitoring wells	
Nick Roope	z. 14-16	1:21	2:00	Site walk	Quarry bottom Groundwater monitoring wells Landfill cap	
Kevin Streak	114/8	182	2:00	S. L Wald	Quarry bottom Groundwater monitoring wells Landfill cap	
Come Bosto	7/4/16	1: >1	2.00	Site walk	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
RichSprinzl	7/19/16	1035	11:30	Site Walk	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Kerm Stouch	2/11/18	1025	11:30	sit with	Quarry bottom Groundwater monitoring wells Landfill cap	
Katre Tait	7/19/14	1035	11:30	Tite walk		
Al Brillinger	1/22/16	10:50	11:10	weekly inspection	□ Quarry bottom □ Groundwater monitoring wells □Landfill cap	

Name/Company	ne/Company Date Time In Time Out Description of Activities Performed (i.e., mowing, gw sampling, etc)		Areas Accessed (please choose and check)		
Al Brillinger Vsc	8/5/16	10:40	11:00	weekly inspection	☐ Quarry bottom ☐ Groundwater monitoring wells ★Landfill cap
Jim Stachowski USACE	diolic	(4:50	(5:35	Five-year review inspection	 ≅ Quarry bottom ଛ Groundwater monitoring wells ★ Landfill cap
Al Brillinger VSC	8-19-1b	10'.30	10:50	weekly inspection	☐ Groundwater monitoring wells ☐ Landfill cap
Al Brillinger VSC	9-2-16	10:00	10:20	Weekly Inspection	☐ Quarry bottom☐ Groundwater monitoring wells ★Landfill cap
Al Brillings	9-16-16	10:30	10:50	weeky inspection	☐ Quarry bottom ☐ Groundwater monitoring wells ✓ Landfill cap
GARY. B	9-2016	×,30	4130	nausing	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap
VSC	9.2114	21 211	4 1, 7.	mouning	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap
Al Brillinger	9-23-16	9:00	10:00	quanterly LF inspection	□ Quarry bottom □ Groundwater monitoring wells 赴 Landfill cap

Name/Company Date		e Time In Time		Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)
Brad Klin OHARNG	9/23/16	0915	10:00	Quartaly Inspection	© Quarry bottom □ Groundwater monitoring wells ↓ Landfill cap
Jack Maderal PCHD	9-23-16	0915	10:00	Quarterly Insp.	© Quarry bottom ☐ Groundwater monitoring wells ✓ Landfill cap
Katre Tait/ OHARNOT	9/23/16	0915	10:00	Quarterly Inspection	✓ Quarry bottom ☐ Groundwater monitoring wells ✓ Landfill cap
Tom St. John	9/29/16	0918	0947	GW Gauging	☐ Quarry bottom Groundwater monitoring wells ☐ Landfill cap
Charles Duretzina	9/29/16	0918	0947	GN Ganzing	☐ Quarry bottom ☐ Groundwater monitoring Wells ☐ Landfill cap
Thon B	10-3-16	1.00	3:00	filling holes in	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap
Al Brillinger VSC	10-7-16	9:15	9:45	weakly inspection	☐ Quarry bottom☐ Groundwater monitoring wells☐ Mandfill cap
RichSprinzl	10/14/16	9:07	1507	Sediment Sampling	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap

Name/Company	Date	Time In	Time Out	Description of Activities Performed (i.e., mowing, gw sampling, etc)	Areas Accessed (please choose and check)	
Michael Reilly LEIDOS	10/12/16	9:07an	1507	Seclinew Sampling	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
Vasu Pejerson LEIDOS	10/12/16	9:08	1320	Sediment Sampling	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
JOHN HERBERT LEIDOS	10/12/1	9:09	1507	SEDIMENT SAMPLINE	☐ Quarry bottom ☐ Groundwater monitoring wells ☐ Landfill cap	
Al Brillinggr Vista Sciences	10/26/16	12:40	1:20	site visit	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
Brad Kline OHARNG	10/26/16	1245	1:00	Site Visit	☐ Quarry bottom☐ Groundwater monitoring wells ▲ Landfill cap	
Kagne Tait OHARNG	u	16	1:00	Site visit	☐ Quarry bottom ☐ Groundwater monitoring wells ☑ Landfill cap	
Jack Madrel P.C. H.D	r		1:20	Site Visit	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	
D2 Paul PHID EPA		(~	1:00	SITE UKIT	☐ Quarry bottom☐ Groundwater monitoring wells☐ Landfill cap	

Appendix D

RQL Annual Inspection Photographs



West side of Ramsdell Quarry Landfill, looking south from west gate.



South side of Ramsdell Quarry Landfill, looking east from southwest corner.



East side of Ramsdell Quarry Landfill, looking north from southeast corner.



Land Use Control fence along west side of Ramsdell Quarry Landfill, looking south from northwest corner.

Appendix E

FY 2016 Quarterly Land Use Control Index Maps

WINKLEPECK BURNING GROUNDS (WBG) RVAAP-05 LAND USE CONTROL (LUC) INSPECTION 1st Qtr. FY 2016

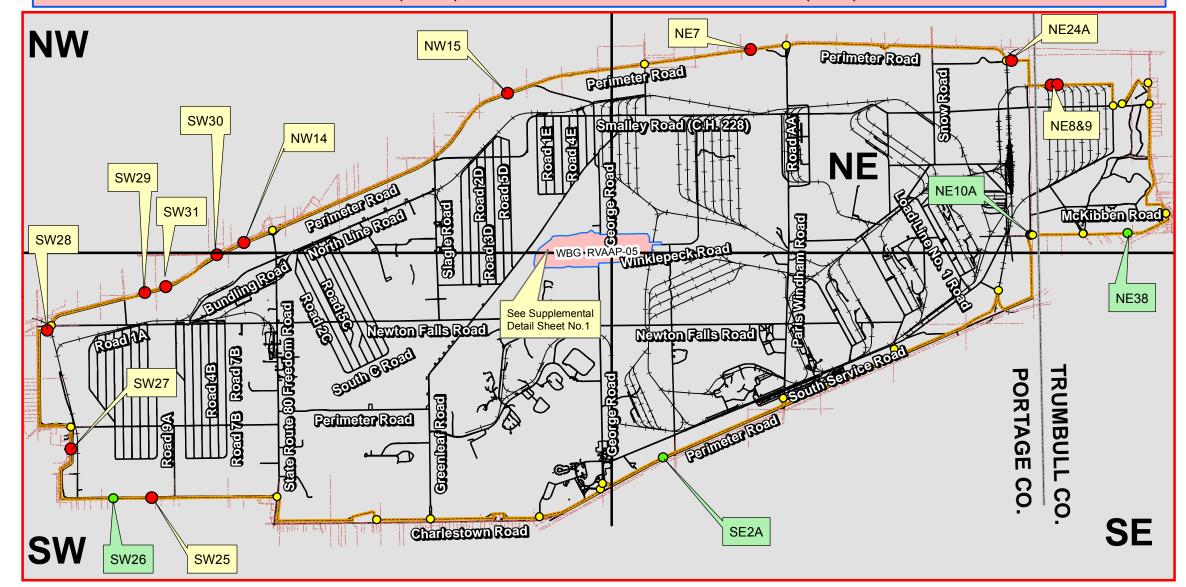


FIGURE 1 INDEX MAP TO FACILITY PERIMETER FENCE INSPECTION

Legend

LUC Inspection of Perimeter Fence

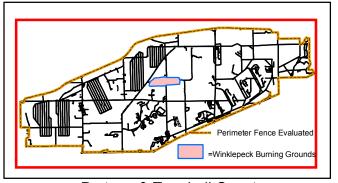
Opening in fence (2'≥) and/or fabric missing/damaged (12 locations)

- Repaired (4 Locations)
- Gates (26 locations for reference only, no detail sheets) All gates appear to be maintained and are in working order
- Perimeter Fence Evaluated (29.8 miles)



Detail Sheet Repair Callout SEE ATTACHED SUMMARY TABLE AND DETAIL SHEETS FOR EACH **DESIGNATED CALLOUT LOCATION**

Camp Ravenna Joint Military Training Center



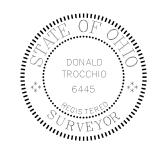
Portage & Trumbull County

LOCATOR MAP



Ohio Army National Guard







Produced in December 2015 for:



US Army Corps of Engineers

600 Dr. Martin Luther King Jr. Place Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State Plane Rectangular Grid, North Zone

FIGURE 15,000 Feet___ Bar Scale in Feet INDEX



Camp Ravenna JMTC 1438 State Route 534 SW Newton Falls, OH 44444 Don Trocchio, PS don.trocchio@vistasciences.com

MGRS 17T NF01946150 (NAD83)

WINKLEPECK BURNING GROUNDS (WBG) RVAAP-05 LAND USE CONTROL (LUC) INSPECTION 2nd Qtr. FY 2016

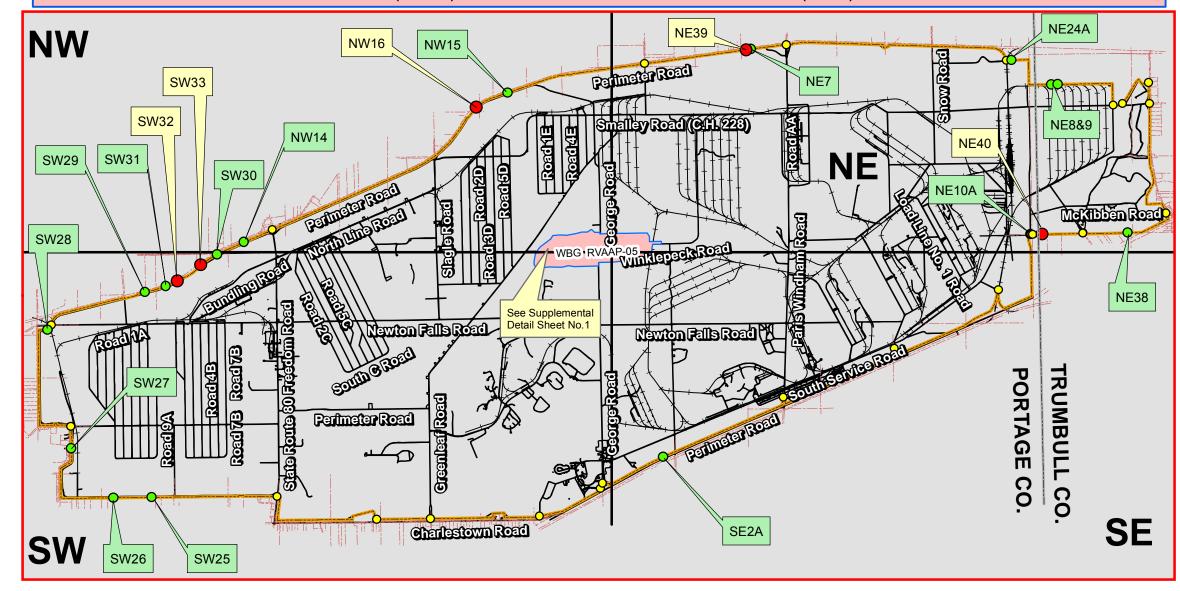


FIGURE 1 INDEX MAP TO FACILITY PERIMETER FENCE INSPECTION

Legend

LUC Inspection of Perimeter Fence

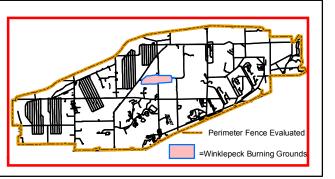
Opening in fence (2'≥) and/or fabric missing/damaged (5 locations)

- Repaired (16 Locations)
- Gates (26 locations for reference only, no detail sheets) All gates appear to be maintained and are in working order
- Perimeter Fence Evaluated (29.6 miles)



Detail Sheet Repair Callout SEE ATTACHED SUMMARY TABLE AND DETAIL SHEETS FOR EACH **DESIGNATED CALLOUT LOCATION**

Camp Ravenna Joint Military Training Center



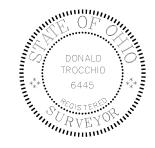
Portage & Trumbull County

LOCATOR MAP



Ohio Army National Guard







Produced in January 2016 for:



US Army Corps of Engineers

600 Dr. Martin Luther King Jr. Place Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State Plane Rectangular Grid, North Zone

FIGURE 15,000 Feet___ Bar Scale in Feet INDEX



Camp Ravenna JMTC 1438 State Route 534 SW Newton Falls, OH 44444 Don Trocchio, PS don.trocchio@vistasciences.com

MGRS 17T NF01946150 (NAD83)

WINKLEPECK BURNING GROUNDS (WBG) RVAAP-05 LAND USE CONTROL (LUC) INSPECTION 3rd Qtr. FY 2016

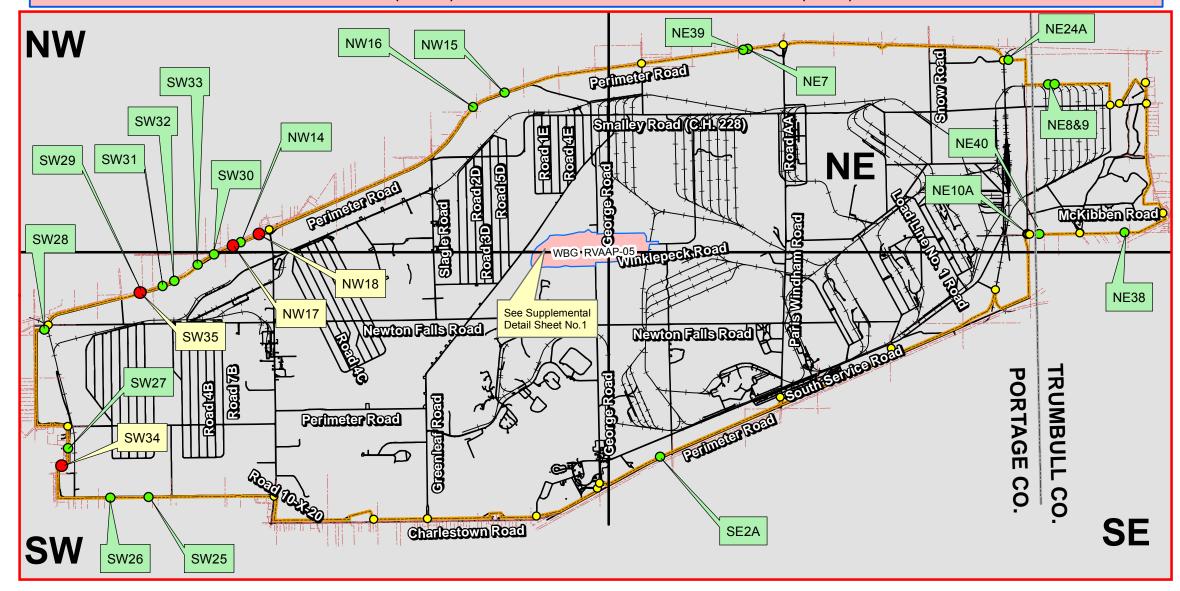


FIGURE 1 INDEX MAP TO FACILITY PERIMETER FENCE INSPECTION

Legend

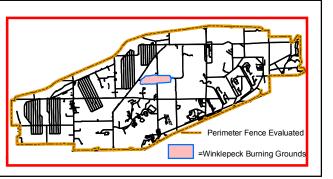
LUC Inspection of Perimeter Fence

- Opening in fence (2'≥) and/or fabric missing/damaged (4 locations)
- Repaired (21 Locations)
- Gates (26 locations for reference only, no detail sheets) All gates appear to be maintained and are in working order
- Perimeter Fence Evaluated (29.6 miles)



Detail Sheet Repair Callout SEE ATTACHED SUMMARY TABLE AND DETAIL SHEETS FOR EACH **DESIGNATED CALLOUT LOCATION**

Camp Ravenna Joint Military Training Center



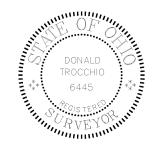
Portage & Trumbull County

LOCATOR MAP



Ohio Army National Guard







Produced in April 2016 for:



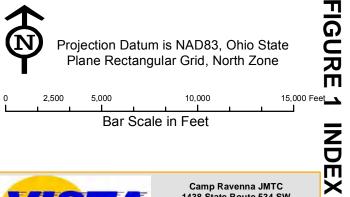
US Army Corps of Engineers

600 Dr. Martin Luther King Jr. Place Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State Plane Rectangular Grid, North Zone





Camp Ravenna JMTC 1438 State Route 534 SW Newton Falls, OH 44444 Don Trocchio, PS don.trocchio@vistasciences.com

Z V

MGRS 17T NF01946150 (NAD83)

WINKLEPECK BURNING GROUNDS (WBG) RVAAP-05 LAND USE CONTROL (LUC) INSPECTION 4th Qtr. FY 2016

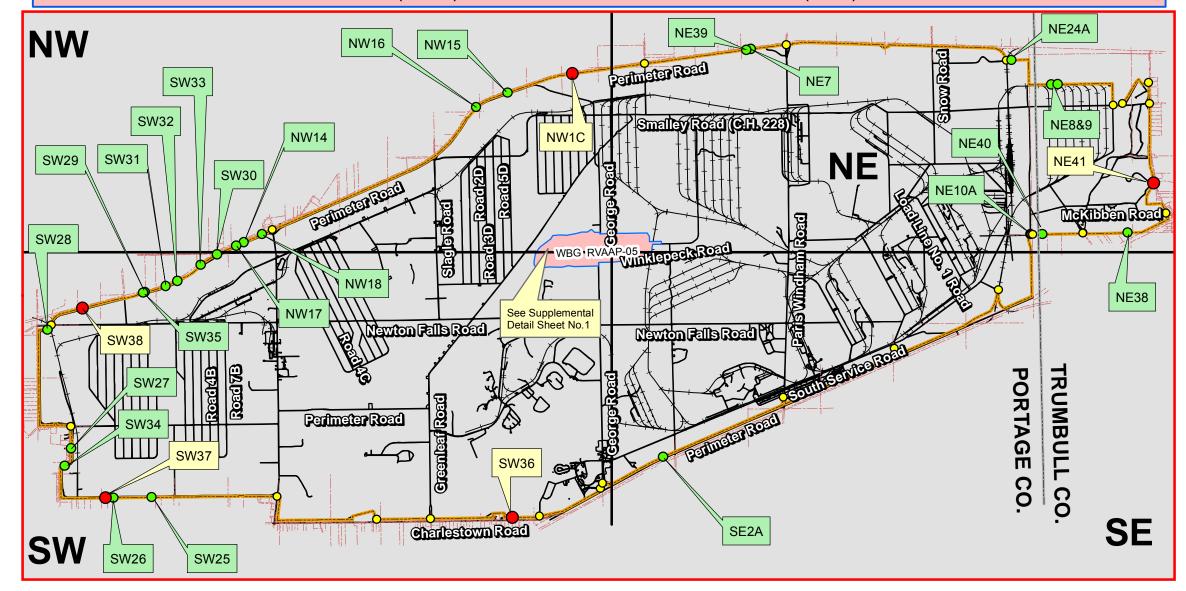


FIGURE 1 INDEX MAP TO FACILITY PERIMETER FENCE INSPECTION

Legend

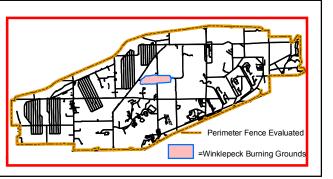
LUC Inspection of Perimeter Fence

- Opening in fence (2'≥) and/or fabric missing/damaged (5 locations)
- Repaired (25 Locations)
- Gates (26 locations for reference only, no detail sheets)
 All gates appear to be maintained and are in working order
- Perimeter Fence Evaluated (29.6 miles)



Detail Sheet Repair Callout SEE ATTACHED SUMMARY TABLE AND DETAIL SHEETS FOR EACH DESIGNATED CALLOUT LOCATION

Camp Ravenna Joint Military Training Center



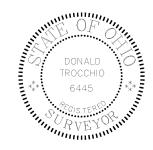
Portage & Trumbull County

LOCATOR MAP



Ohio Army National Guard







Produced in July 2016 for:



US Army Corps of Engineers

600 Dr. Martin Luther King Jr. Place Louisville, KY 40202

Louisville District



Projection Datum is NAD83, Ohio State Plane Rectangular Grid, North Zone

2,500 5,000 10,000 15,000 Feet

Bar Scale in Feet



Camp Ravenna JMTC 1438 State Route 534 SW Newton Falls, OH 44444 Don Trocchio, PS don.trocchio@vistasciences.com

MGRS 17T NF01946150 (NAD83)

INDEX MA

Appendix F

Final FY 2016 First Quarter Land Use Control Inspection for RVAAP-05 Winklepeck Burning Grounds

(The Final FY 2016 Annual Report for the Land Use Control Inspections, RVAAP-05 Winklepeck Burning Grounds will include the entire Ohio EPA approved version of the FY 2016 First Quarter Land Use Control Inspection)

Appendix G

Final FY 2016 Second Quarter Land Use Control Inspection for RVAAP-05 Winklepeck Burning Grounds

(The Final FY 2016 Annual Report for the Land Use Control Inspections, RVAAP-05 Winklepeck Burning Grounds will include the entire Ohio EPA approved version of the FY 2016 Second Quarter Land Use Control Inspection)

Appendix H

Final FY 2016 Third Quarter Land Use Control Inspection for RVAAP-05 Winklepeck Burning Grounds

(The Final FY 2016 Annual Report for the Land Use Control Inspections, RVAAP-05 Winklepeck Burning Grounds will include the entire Ohio EPA approved version of the FY 2016 Third Quarter Land Use Control Inspection)

Appendix I

Final FY 2016 Fourth Quarter Land Use Control Inspection for RVAAP-05 Winklepeck Burning Grounds

(The Final FY 2016 Annual Report for the Land Use Control Inspections, RVAAP-05 Winklepeck Burning Grounds will include the entire Ohio EPA approved version of the FY 2016 Fourth Quarter Land Use Control Inspection)

Appendix J

FY 2016 Perimeter Fence Defect Call Outs Identified and Repaired

FISCAL YEAR 2016 LAND USE CONTROL INSPECTION SUMMARY TABLE Camp Ravenna Joint Military Training Center

		US Sur	vey Ft	Fiscal Year and	
				Quarter	Fiscal Year and
Callout	Comments	Northing	Easting	Identified	Quarter Repaired
NE07	poacher hole	572923	2365753	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
NE08	poacher hole	571065	2381537	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
NE09	poacher hole	571077	2381869	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
NE10A	fence fabric and top rail damaged to permit access	563195	2380440	FY 2016 - 1 Qtr.	FY 2016 - 1 Qtr.
NE24A	repeat poacher hole in fence	572341	2379439	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
NE38	12in. tree blow down on top of fence	563279	2385540	FY 2016 - 1 Qtr.	FY 2016 - 1 Qtr.
NE39	poacher hole	572888	2365520	FY 2016 - 2 Qtr.	FY 2016 - 2 Qtr.
NE40	large tree limb has fallen on the fence and damaged the fabric	563200	2381066	FY 2016 - 2 Qtr.	FY 2016 - 2 Qtr.
NE41	tree blow down on fence	565895	2386901	FY 2016 - 4 Qtr.	N/C
NW14	poacher hole in fence	562792	2339131	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
NW15	poacher hole in new section of fence	570632	2352984	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
NW16	poacher hole	569866	2351337	FY 2016 - 2 Qtr.	FY 2016 - 2 Qtr.
NW17	poacher hole	562602	2338724	FY 2016 - 3 Qtr.	FY 2016 - 3 Qtr.
NW18	poacher hole	563194	2340084	FY 2016 - 3 Qtr.	FY 2016 - 3 Qtr.
NW1C	poacher hole	571637	2356382	FY 2016 - 4 Qtr.	N/C
SE02A	washout {10x6 box culvert} from debris plugged security cage	551498	2361141	FY 2016 - 1 Qtr.	FY 2016 - 1 Qtr.
SW25	poacher hole	549381	2334296	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
SW26	blow down/top rail repaired by vista in-between inspections	549355	2332269	FY 2016 - 1 Qtr.	FY 2016 - 1 Qtr.
SW27	fence fabric has been detached from 4 posts	551961	2330049	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
SW28	poacher hole	558184	2328802	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
SW29	poacher hole in fence	560157	2333938	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
SW30	poacher hole in fence	562148	2337710		FY 2016 - 2 Qtr.
SW31	abandoned railroad utility pole has fallen onto fence	560476	2335035	FY 2016 - 1 Qtr.	FY 2016 - 2 Qtr.
SW32	poacher hole	560748	2335631	FY 2016 - 2 Qtr.	FY 2016 - 2 Qtr.
SW33	poacher hole	561584	2336866	FY 2016 - 2 Qtr.	FY 2016 - 2 Qtr.
	poacher hole	551036	2329710	FY 2016 - 3 Qtr.	FY 2016 - 3 Qtr.
	poacher hole	560125	2333841	FY 2016 - 3 Qtr.	FY 2016 - 3 Qtr.
	poacher hole	548328	2353232	FY 2016 - 4 Qtr.	FY 2016 - 4 Qtr.
SW37	poacher hole at bottom of fence	549355	2331868	FY 2016 - 4 Qtr.	FY 2016 - 4 Qtr.
SW38	poacher hole	559324	2330662	FY 2016 - 4 Qtr.	FY 2016 - 4 Qtr.
34430	poacifer note	558524	2330002	1 1 2010 - 4 QII.	1°1 2010 - 4 Qtf.
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NOTE:					

NOTE: NC = Indicates Repair Not Yet Completed