

APPENDIX G

PRESSURE TRANSDUCER INFORMATION LOGS

**FINAL REPORT
GROUNDWATER INVESTIGATION
RAMSDALL QUARRY LANDFILL
RAVENNA ARMY AMMUNITION PLANT**

RVAAP ROL PRESSURE TRANSDUCER INFORMATION

PROJECT NAME: Ramsdell Quarry Landfill CW Investigation

DELIVERY ORDER NO: 008

LOCATION ID: RQLmw-06

REF. PT. ELEV: 995.39 ft MSL TC

DATE	TIME	TEST NAME	FILE NAME	TEST START DATE	TEST START TIME	TRANSDUCER ID	DEPTH TRANSDUCER BRP	
9/7/98	1352	MW06HYDRO	SEPT06.BIN	7/29/98	1000	00001284		
9/20/98	0926	↓	SEPT 2006.BIN	↓	↓	↓		
10/20/98	0735	Sept 20-006	DECT906.BIN	9/20/98	2000			
11/13/98	1405	DECT 26-006	NOV1306.bin	10/26/98	0900			
12/11/98	1220	↓	dec1106.bin	↓	↓			
1/22/99	1000	↓	jan2206.bin	↓	↓			
2/12/99	1540	↓	feb1206.bin	↓	↓			
3/22/99	1240	RQLmw-06	mar2206.bin	2/14/99	1600			
4/10/99	0920	↓	apr1006.bin	↓	↓			
5/21/99	1351	qprmw06	may2106.bin	4/12/99	1000			
6/22/99	1655	mayms06	jun2206.bin	5/28/99	1400			
7/15/99	1653	jun06	jul1506.bin	6/22/99	1800			
				9/26/99				

RECORDED BY: [Signature] 9/7/98 - 7/15/99
(Signature and Date)

QA CHECK BY: [Signature] 8-31-99
(Signature and Date)

BRP-FT BELOW REF POINT: NA

RVA/AR/ROL PRESSURE TRANSDUCER INFORMATION

PROJECT NAME: Ramsdell Quarry Landfill GW Investigation

DELIVERY ORDER NO: 008

LOCATION ID: RQLMW-007

REF. PT. ELEV: 965.91 FT MSL TOC

DATE	TIME	TEST NAME	FILE NAME	TEST START DATE	TEST START TIME	TRANSDUCER ID	DEPTH TRANSDUCER BRP
9/7/98	1330	MANOT HYDRO	SEPT07.BIN	7/29/98	1000	00011286	
9/19/98	1815	↓	² SEPT19 SEP1907.BIN	↓	↓		
10/19/98	1606	Sept 20-007	SEPT1907.BIN	9/20/98	2000		
11/13/98	1414	Oct 26-007	NOV1307.BIN	10/26/98	2500		
12/11/98	1220	↓	dec 1107.BIN	↓	↓		
1/22/99	0920 ^{1005 1120}	↓	jan 2207.BIN	↓	↓		
2/12/99	1550	↓	feb 1207.BIN	↓	↓		
3/22/99	1245	RQLMW07-feb	mar 2207.BIN	2/14/99	1600		
4/10/99	0925	↓	apr 1007.BIN	↓	↓		
5/21/99	1355	aprmw07	may 2107.BIN	4/12/99	1000		
6/22/99	1700	maymw07	jun 2207.BIN	5/28/99	1400		
7/15/99	1700	jun07	jul 1507.BIN	6/22/99	1800		
				⁹⁰⁰ 7/26/99			

RECORDED BY: [Signature] 9/7/98 - 7/15/99
(Signature and Date)

QA CHECK BY: [Signature] 9/6/99
(Signature and Date)

BRP-FT BELOW REF POINT: NA

RVAAP ROL PRESSURE TRANSDUCER INFORMATION

PROJECT NAME: Remedial Action Landfill CW Investigation

DELIVERY ORDER NO: 008

LOCATION ID: RQLmw-008

REF. PT. ELEV: 966.08 ft MSL TOC

DATE	TIME	TEST NAME	FILE NAME	TEST START DATE	TEST START TIME	TRANSDUCER ID	DEPTH TRANSDUCER BRP	
9/7/98	1327	MW08HYDRO	SEPT08.BIN	9/29/98	1000	00011280		
9/18/98	1701	↓	SEPT1808.BIN	↓	↓	↓		
10/19/98	1603	Sept 20-0008	OCT 1908.BIN	9/20/98	2000			
11/13/98	1401	OCT 26-0008	NOV1308.BIN	10/26/98	2500			
12/11/98	1215	↓	dec 1108.BIN	↓	↓			
1/22/99	0957	↓	jan 2208.BIN	↓	↓			
2/12/99	1536	↓	Feb 1208.BIN	↓	↓			
3/22/99	1235	q1mw08-Hb	mar 2208.BIN	2/14/99	1600			
4/10/99	0916	↓	apr 1008.BIN	↓	↓			
5/21/99	1346	apr mw08	may 2108.BIN	4/12/99	1000			
6/23/99	1650	may mw08	jun 2208.BIN	5/20/99	1400			
07/15/99	1648	jun 08	Jul 1508.BIN	6/22/99	1800			
				7/26/99				

RECORDED BY: James G. White 9/2/98 - 7/15/99
(Signature and Date)

QA CHECK BY: [Signature] 12/27/99
(Signature and Date)

BRP-FT BELOW REF POINT: NA

RVAAP RQL PRESSURE TRANSDUCER INFORMATION

PROJECT NAME: Ramdeall Quarry Landfill GW Investigation

DELIVERY ORDER NO: 003

LOCATION ID: RQLmw-009

REF. PT. ELEV: 964.58 FT MSL TOC

DATE	TIME	TEST NAME	FILE NAME	TEST START DATE	TEST START TIME	TRANSDUCER ID	DEPTH TRANSDUCER BRP
9/7/98	1323	MW09 HYDRO	SEPT09.BIN	7/29/98	1000	00011281	
9/18/98	1711	↓	SEPT1809.BIN	↓	↓	↓	
10/20/98	1645	SEPT20-009	OCT2009.BIN	9/20/98	2000		
11/13/98	1352	OCT26-009	NOV1309.bin	10/26/98	2800		
12/11/98	1211	↓	dec1109.bin	↓	↓		
1/12/99	0954	↓	jan2209.bin	↓	↓		
2/12/99	1531	↓	feb1209.bin	↓	↓		
3/22/99	1230	RQLMW09T2B	mar2209.bin	2/14/99	1600		
4/10/99	0910	↓	apr1009.bin	↓	↓		
5/21/99	1341	apr2109	may2109.bin	4/12/99	1000		
6/22/99	1645	may2209	jun2209.bin	5/28/99	1400		
7/15/99	1645	jun09	jul1509.bin	6/22/99	1800		
				ju			
				7/26/99			

RECORDED BY: Janet G. Walsh 9/7/98 - 7/15/99
(Signature and Date)

QA CHECK BY: [Signature] 06/07/99
(Signature and Date)

BRP-FT BELOW REF POINT: NA

RYANAP PCL PRESSURE TRANSDUCER INFORMATION

PROJECT NAME: Ramsdell Quarry Landfill GW Investigation

DELIVERY ORDER NO. 003

LOCATION ID: RGL mur - 010

REF. PT. ELEV: 982.14 ft MSL TOR

DATE	TIME	TEST NAME	FILE NAME	TEST START DATE	TEST START TIME	TRANSDUCER ID	DEPTH TRANSDUCER BRP
9/7/98	1310	MW1011400	SEPT10.BIN	7/27/98	1000	00011287	
9/19/98	1156	↓	SEP1910.BIN	↓	↓		
10/19/98							
10/20/98	0728	SEP 20 - 010	OCT 19 10.BIN	9/20/98	2000		
11/13/98	1336	OCT 26 - 010	NOV 13 10.BIN	10/26/98	0500		
12/11/98	1200	↓	dec 11 10.BIN	↓	↓		
1/22/99	0945	↓	jan 22 10.BIN	↓	↓		
2/12/99	1515	↓	Feb 12 10.BIN	↓	↓		
3/22/99	1215	19/ mar 10 - Feb	mar 22 10.BIN	2/14/99	1600		
4/10/99	0900	↓	apr 10 10.BIN	↓	↓		
5/21/99	1330	apr MW 10	may 21 10.BIN	4/12/99	1000		
6/22/99	1630	may MW 10	jun 22 10.BIN	5/28/99	1400		
7/15/99	1630	jun 10	Jul 15 10.BIN	6/22/99	1800		
				7/26/99			

RECORDED BY: Jack J. W. 2/26/99
 (Signature and Date) ^{7/26/99}
 BRP-FT BELOW REF POINT: NA

QA CHECK BY: [Signature]
 (Signature and Date) 06/07/99

RVAAP RQL PRESSURE TRANSDUCER INFORMATION

PROJECT NAME: Ramsdell Quarry Landfill GW Investigation

DELIVERY ORDER NO: 003

LOCATION ID: RQL MW - 011

REF. PT. ELEV: 976.57 ft MSL TDC

DATE	TIME	TEST NAME	FILE NAME	TEST START DATE	TEST START TIME	TRANSDUCER ID	DEPTH TRANSDUCER BRP
9/7/98	1317	MW11 HYDRO	SEPT11.BIN	7/29/98	1000	0011285	
9/19/98	1440	↓	SEP1911.BIN	↓	↓	↓	
10/19/98	0734		OCT1911.BIN	9/20/98	2000		
11/13/98	1347	OCT26-011	NOV1311.BIN	10/26/98	2000		
12/11/98	1205	↓	DEC1111.BIN	↓	↓		
1/22/99	0950	↓	JAN2211.BIN	↓	↓		
2/12/99	1520	↓	FEB1211.BIN	↓	↓		
3/22/99	1220	glnw11feb	MAR2211.BIN	2/14/99	2000		
4/10/99	0905	↓	APR1011.BIN	↓	↓		
5/21/99	1335	apr1111	MAY2111.BIN	4/12/99	1000		
6/22/99	1635	may1111	JUN2211.BIN	5/28/99	1400		
7/6/99	1635	jun1111	JUL1511.BIN	6/22/99	1800		
				90			
				7/26/99			

RECORDED BY: Joseph G. White 9/7/98-7/15/99
(Signature and Date)

QA CHECK BY: [Signature] 8/15/99
(Signature and Date)

BRP-FT BELOW REF POINT: NA

RYAN ROLL MICROBURST LOG SHEET

PROJECT NAME: Bainfield Quarry Landfill (CW) Investigation

DELIVERY ORDER NO: 003

LOCATION ID: RQ101-010

INITIAL W.L.: unable to read

FT BTOC

DATE: 10/20/98

± 0.5 ± 0.2 $\pm 10\%$

FINAL W.L.: NA

FT BTOC

-> hitting top of p.u. @ 27.70 ft BTOC

TIME	FLOW RATE (m/s/min)	W.L. (ft BTOC)	TEMP (C)	pH (SU)	COND. (ms/cm)	TURBIDITY (NTU)	D.O. (mg/L)	COMMENTS
1140	85 ^{MR} _{max}	NA	11.53	6.37	556	13	4.86	
1145	100		11.60	6.34	545	13	4.62	
1150	80		11.64	6.36	537	79	MR 6.17 4.54	
			11.77	6.35	535	80	3.58	STAGE

RECORDED BY: *Matthew Reed* 10/20/98
(Signature and Date)

QA CHECK BY: *Matthew Reed*
(Signature and Date) 7/19/98
MR 06/07/99

RVAAP ROL MICROPURGE LOG SHEET

h/s

PROJECT NAME: Ramsdell Quarry Landfill GW Investigation

DELIVERY ORDER NO. 003

LOCATION ID: RQL-010

INITIAL W.L.: 26.35 FT BTOC

DATE: 5/10/99

FINAL W.L.: 26.63 FT BTOC

TIME	FLOW RATE (m/s/min)	W.L. (ft BTOC)	TEMP (C)	pH (SU)	COND. (ms/cm)	TURBIDITY (NTU)	D.O. (mg/L)	COMMENTS
1040	190	26.63	11.20	7.28	571	7	16.3	↓ flow
1045	160	26.63	11.14	7.18	574	7	12.73	
1050	160	26.63	11.16	7.15	572	3	12.73	
1055	160	26.63	11.21	7.17	567	2	11.70	stop purge good to go
1622	INITIAL	25.79						stop pump in well.
1627	adjusting	26.30	16.3°	5.85	0.731	426	18.91	slower flow rate
1632	~160	27.29	14.7	5.84	0.702	293	18.93	
1637	↓	27.33	13.7	5.76	0.709	50	18.57	DISCHARGE = 30s REFILL = 5.3s @ 10 psi
1642	155 ml/min	27.35	13.4	5.78	0.700	φ	17.35	conductivity readings erratic
1647	↓	27.35	12.9	5.92	0.696	40	16.19	
1652	↓	27.35	12.9	6.01	0.690	φ	15.12	stable - collect sample.

1627.99

RECORDED BY: [Signature] KL Dominick 5-27-99
(Signature and Date)

QA CHECK BY: [Signature] 06/07/99
(Signature and Date)

RYAN ROL MICROBURGE LOG SHEET

96

PROJECT NAME: Ramsdell Quarry Landfill GW Investigation

DEWETRY ORDER NO: 000

LOCATION ID: RQLnw-011

INITIAL W.L.: 23.65 FT BTOC

DATE: 9/19/98

FINAL W.L.: 23.84 FT BTOC

TIME	FLOW RATE (m/s/min)	W.L. (ft BTOC)	TEMP (C)	pH (SU)	COND. (ms/cm)	TURBIDITY (NTU)	D.O. (mg/L)	COMMENTS
1657	65	23.80	18.41	5.97	282.00	477	0.66	
1701	65	23.80	16.95	6.03	286.00	336	0.45	
1705	65	23.80	16.53	6.05	285.00	293	0.43	
1709	80	23.83	15.83	6.01	284.00	222	0.39	
1713	80	23.86	15.84	6.06	283.00	172	0.36	
1717	70	23.83	16.38	6.05	283.00	143	0.37	STABLE
1235	60	23.11	8.58	5.11	270.00	255	6.13	Initial
1240	100	23.30	6.40	5.29	281.00	↓	4.04	
1248	100	23.53	6.70	5.40	292.00	105	2.65	
1250	100	23.62	6.63	5.26	275.00	65	5.02	

1/3/99

RECORDED BY: [Signature] 9/19/98 & 2/13/99
(Signature and Date)

QA CHECK BY: [Signature] 06/07/99
(Signature and Date)

RYAAP ROL MICROPURGE LOG SHEET

PROJECT NAME: Ram: dell Quarry Landfill GW Investigation

DELIVERY ORDER NO: 003

LOCATION ID: RQL MW-011

INITIAL W.L.: 24.59 FT BTOC

DATE: 10/19/98

FINAL W.L.: 24.52 FT BTOC

±0.5 ±0.2 ±10%

TIME	FLOW RATE (m/s/min)	W.L. (ft BTOC)	TEMP (C)	pH (SU)	COND. (ms/cm)	TURBIDITY (NTU)	D.O. (mg/L)	COMMENTS
1330	~290	24.54	14.39	6.18	326	> 200	2.66	-very turbid, rust color
1335	~90	24.58	13.93	6.17	321	336	2.57	
1340	~100	24.49	14.43	6.19	321	223	3.39	
1345	~120	24.52	13.97	6.16	321	160	2.84	

RECORDED BY: [Signature] 10/19/99
(Signature and Date)

QA CHECK BY: [Signature]
(Signature and Date)

RVAAP ROL MICROPURGE LOG SHEET

PROJECT NAME: Ramsdell Quarry Landfill GW Investigation

DELIVERY ORDER NO: 003

LOCATION ID: RQ1.mw-211

INITIAL W.L.: 23.31

FT BTOC

DATE: 4/10/99

FINAL W.L.: 22.74

FT BTOC

TIME	FLOW RATE (m/s/min)	W.L. (ft BTOC)	TEMP (C)	pH (SU)	COND. (ms/cm)	TURBIDITY (NTU)	D.O. (mg/L)	COMMENTS
1345	300	22.74	10.47	6.49	198	252	4.42	
1350	300	22.74	10.31	6.44	189	195	2.42	↓ flow slightly
1355	250	22.74	10.43	6.40	183	126	2.44	STABLE - sample
1358								
5.27.99 1323	initial	22.17						
1329	60 ml/min	22.35	10.1	4.42	.204	239	15.08	
1334	95 ml/min	22.35	13.9	4.29	.199	166	15.93	
1339	95 ml/min	22.35	13.6	4.13	.202	79	15.81	
1344	↓	22.35	12.8	4.03	.202	64	14.92	DISCHARGE = 10.35 REFILL = 5.5 gpsi
1349	↓	22.35	12.5	3.86	.202	56	14.80	turbidity fluctuations from cycling of pump
1354	↓	22.35	12.4	3.79	.203	45	14.44	
1359		22.35	12.4	3.79	.204	45	14.23	stable - sample TOTAL PURGED 1.5 gal

RECORDED BY: [Signature] 4/10/99 KL Dominick 5.27.99
(Signature and Date)

QA CHECK BY: [Signature] 4/10/99
(Signature and Date)