

APPENDIX A

**CORRESPONDENCE DOCUMENTING THE CHANGE IN WELLS TO BE
SAMPLED IN 2008-2009**



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, LOUISVILLE
CORPS OF ENGINEERS
P.O. BOX 59
LOUISVILLE, KENTUCKY 40201-0059

December 12, 2007

Engineering Division

Vicki Deppisch
Ohio Environmental Protection Agency
Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087

Dear Ms. Deppisch:

Re: Notification of Annual Sampling Schedule
Facility-wide Ground water Monitoring Program
Ravenna Army Ammunition Plant
Portage/Trumbull Counties, Ohio

This letter is to serve as notification that the United States Army Corps of Engineers (USACE) will be changing the sampling frequency of 36 of the existing Facility-wide Ground Water Monitoring Program (FWGWMP) wells from quarterly sampling to annual sampling. As we discussed yesterday, this change is in accordance with Section 4.2, Sampling Frequency, on page 4-5 of the September 2004 Facility-wide Ground Water Monitoring Program Plan (FWGWMPP), which states that the initial monitoring frequency for the FWGWMP wells will be three consecutive quarters, and then it will revert to annual sampling, except for the OD#2 and RQL wells, which will be sampled semi-annually. Our next sampling event for the 36 current FWGWMP wells will occur in October 2008.

During the January, April, and July 2008 sampling events, USACE will sample other monitoring wells that have only been sampled during the Remedial Investigations at Load Lines 1, 2, 3, 4, and 12. These wells are identified in the last column of Table 4 in the October 22, 2007 document entitled "Draft Proposal to Update the Facility-wide Ground Water Monitoring Program", where they are numbered "1" through "36". Throughout this process, USACE will continue to comply with the sampling frequency requirements for the Ramsdell Quarry Landfill and Open Demolition Area #2 wells.

We appreciate your assistance with this matter. Copies have been provided to Eileen Mohr and Bonnie Buthker of Ohio EPA, Glen Beckham, USACE (via email) and John Miller, EQM (via email) and Mark Krivanski USAEC (via email) and Katie Elgin, OHARNG RTLS (via email). Please call Rick Hockett at 502.315.6329 if you have any questions or comments regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "R. B. Hockett".

Richard B. Hockett, P.G.
Geologist, Environmental Branch
Louisville District

Subject: FW: FWGWMP modifications

From: "Hockett, Rick B LRL" <Rick.B.Hockett@usace.army.mil>

Date: Tue, 8 Jan 2008 14:10:27 -0500

To: "John Miller" <jmiller@eqm.com>

Oops! I meant to copy you on this.

Rick

-----Original Message-----

From: Hockett, Rick B LRL

Sent: Tuesday, January 08, 2008 2:08 PM

To: 'Vicki Deppisch'

Cc: 'Eileen Mohr'; Beckham, Glen LRL; Ries, Cynthia A LRL; Chanda, Thomas M LRL; 'Patterson, Mark C Mr CIV USA OSA'; 'Krivansky, Mark E USAEC'

Subject: FWGWMP modifications

Vicki:

Just got back from lunch and listened to your voice mail message regarding the proposed changes to the FWGWMP. Sounds good! To summarize:

1. New well sampling. It's okay to proceed with rotating the new wells into the January sampling event, and not sample the "old" wells - those which have been sampled quarterly since 2005. The new wells will be all of the non-FWGWMP wells from LL-1, LL-2, LL-3, LL-4, and all but one of the non-FWGWMP wells at LL-12.

2. Annual sampling on old wells. You would prefer to not perform annual sampling on the old wells in October 2008, because that would interrupt the quarterly sampling pattern on the new wells. I agree. We will do four consecutive sampling events on the new wells; January, April, July, and October 2008.

3. Sampling order selection criteria. You requested that we provide a description of how the 196 wells were ordered for sampling (per table 4 of the Draft Proposal to Update the FWGWMP). In a nutshell, I thought it made the most sense to do the major load lines first (LL-1, LL-2, LL-3, LL-4, and LL-12), and then follow that effort with the remaining wells. In order to simplify things for the sampling team, I kept all wells at each AOC together, so that the samplers will not be visiting sites all over the facility during each event. That approach also makes the ground water elevation measurements more useable, since all wells at a given AOC that is being sampled will be measured, and we'll get a good snapshot of the ground water flow conditions at that AOC. That's really about all there was to it - there's just not a lot more to base the sampling order on.

4. Perchlorate. You are not comfortable that the perchlorate sampling performed on the October 2008 ground water samples is sufficient to end the perchlorate sampling altogether. You suggested that we discuss a strategy for additional sampling. I suggest that each time we rotate a new group of wells through the four quarters of sampling, that we sample for perchlorate during one of those events. I would prefer that it not be the first event of the four, other than that, I think we should sample at the second, third, or fourth quarterly event. Let's do each well once, and then evaluate the perchlorate data at the end of the sampling along with all of the other ground water quality data.

You didn't specifically mention it, but it's worth noting that we will continue to sample the five RCRA wells at RQL and ODA#2 on a semi-annual basis - no changes there at all.

Please let me know if any of this isn't correct.

FW: FWGWMP modifications

Thanks.

Rick

Richard B. Hockett, P.G.
Environmental Branch
Louisville District
US Army Corps of Engineers

APPENDIX B

LIST OF WELLS SAMPLED DURING THE OCTOBER 2009 EVENT

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

APPENDIX C

**WATER LEVEL MEASUREMENTS/FIELD LOG BOOK AND PURGE
RECORDS/DAILY QUALITY CONTROL REPORTS**

Signature Page

**October 2009 FWGMP Monitoring Well Event
Field Personnel Abbreviations and Signatures Page**

Field Personnel

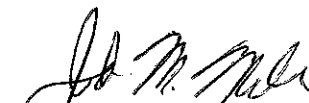
Name	Affiliation	Initials
Angye Dragotta	EQM	AD
Colleen A. Lear	EQM	CAL
Erik Corbin	EQM	EC
Hilary Huber	EQM	HH
John Miller	EQM	JM
Phil Heikkila	EQM	PH
Stephen Stuergeron	EQM	SS

Project and Field Leads

Name, Title, Affiliation

John Miller, Project Manager / QC Check, EQM

Signature: _____



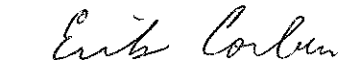
Colleen A. Lear, Field Manager / QC Check, EQM

Signature: _____



Erik Corbin, Sample Manager, EQM

Signature: _____



Comprehensive Water Level Measurements

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

OCTOBER 2009

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
ASY MW-001	Atlas Scrap Yard	10/12/2009	1530	13.84	23.11	Hard	05767
ASY MW-002	Atlas Scrap Yard	10/12/2009	1534	16.46	22.88	Hard	05767
ASY MW-003	Atlas Scrap Yard	10/12/2009	1609	24.75	23.46	Hard	05767
ASY MW-004	Atlas Scrap Yard	10/12/2009	1547	11.93	29.72	Hard	05767
ASY MW-005	Atlas Scrap Yard	10/12/2009	1543	11.05	27.11	Hard	05767
ASY MW-006	Atlas Scrap Yard	10/12/2009	1602	15.54	28.84	Hard	05767
ASY MW-007	Atlas Scrap Yard	10/12/2009	1539	16.24	28.85	Hard	05767
ASY MW-008	Atlas Scrap Yard	10/12/2009	1541	6.61	26.58	Medium	05767
ASY MW-009	Atlas Scrap Yard	10/12/2009	1606	14.39	24.32	Medium	05767
ASY MW-010	Atlas Scrap Yard	10/12/2009	1549	13.80	31.07	Hard	05767
LL10 MW-001	Loadline 10	10/12/2009	1250	26.35	29.50	Hard	05767
LL10 MW-002	Loadline 10	10/12/2009	1245	19.54	29.78	Hard	05767
LL10 MW-003	Loadline 10	10/12/2009	1303	21.70	28.50	Hard	05767
LL10 MW-004	Loadline 10	10/12/2009	1252	15.49	33.46	Hard	05767
LL10 MW-005	Loadline 10	10/12/2009	1305	17.82	29.21	Hard	05767
LL10 MW-006	Loadline 10	10/12/2009	1240	15.20	26.49	Hard	05767
LL11 MW-001	Loadline 11	10/12/2009	1355	11.71	23.22	Hard	05767
LL11 MW-003	Loadline 11	10/12/2009	1410	2.92	16.01	Hard	05767
LL11 MW-004	Loadline 11	10/12/2009	1415	2.78	16.15	Hard	05767
LL11 MW-005	Loadline 11	10/12/2009	1420	10.98	16.39	Hard	05767
LL11 MW-006	Loadline 11	10/12/2009	1425	6.58	15.68	Hard	05767
LL11 MW-008	Loadline 11	10/12/2009	1430	4.25	15.69	Hard	05767
LL11 MW-009	Loadline 11	10/12/2009	1400	4.71	19.47	Hard	05767
LL11 MW-010	Loadline 11	10/12/2009	1405	6.30	23.40	Hard	05767
LL6 MW-005	Loadline 6	10/12/2009	1120	13.80	22.22	Hard	05767
LL6 MW-006	Loadline 6	10/12/2009	1130	16.79	17.72	Hard	05767
LL6 MW-007	Loadline 6	10/12/2009	1113	9.77	19.32	Hard	05767

*All measurements from top of casing

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

OCTOBER 2009

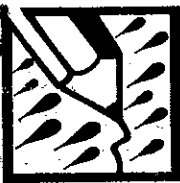
Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LL7 MW-001	Loadline 7	10/12/2009	1155	23.73	33.02	Hard	05767
LL7 MW-002	Loadline 7	10/12/2009	1200	19.53	27.15	Hard	05767
LL7 MW-003	Loadline 7	10/12/2009	1140	13.65	33.55	Hard	05767
LL7 MW-004	Loadline 7	10/12/2009	1150	17.11	32.23	Hard	05767
LL7 MW-005	Loadline 7	10/12/2009	1148	24.19	30.37	Hard	05767
LL7 MW-006	Loadline 7	10/12/2009	1145	13.49	30.35	Hard	05767
LL8 MW-001	Loadline 8	10/12/2009	1210	14.20	27.47	Medium	05767
LL8 MW-002	Loadline 8	10/12/2009	1215	21.71	32.61	Hard	05767
LL8 MW-003	Loadline 8	10/12/2009	1230	15.94	23.00	Hard	05767
LL8 MW-004	Loadline 8	10/12/2009	1218	14.42	22.71	Hard	05767
LL8 MW-005	Loadline 8	10/12/2009	1225	16.10	26.94	Medium	05767
LL8 MW-006	Loadline 8	10/12/2009	1220	21.61	27.02	Medium	05767
LL9 MW-001	Loadline 9	10/12/2009	1310	17.32	23.26	Hard	05767
LL9 MW-002	Loadline 9	10/12/2009	1335	16.75	22.71	Hard	05767
LL9 MW-003	Loadline 9	10/12/2009	1340	16.49	24.14	Hard	05767
LL9 MW-004	Loadline 9	10/12/2009	1315	22.95	34.67	Hard	05767
LL9 MW-005	Loadline 9	10/12/2009	1330	18.80	23.48	Hard	05767
LL9 MW-006	Loadline 9	10/12/2009	1320	21.63	28.79	Hard	05767
LL9 MW-007	Loadline 9	10/12/2009	1325	11.68	18.09	Hard	05767
DET MW-003	Demo 2 Area	10/12/2009	1445	9.78	16.01	Medium	05767
DET MW-004	Demo 2 Area	10/12/2009	1450	10.97	13.81	Hard	05767
RQL MW-007	Ramsdell Quarry	10/12/2009	1510	10.76	18.60	Hard	05767
RQL MW-008	Ramsdell Quarry	10/12/2009	1515	10.40	18.62	Hard	05767
RQL MW-009	Ramsdell Quarry	10/12/2009	1520	9.45	18.79	Hard	05767

*All measurements from top of casing

Logbook

RVAA P: USACE

Book # 1



"Live in the Rain"

ALL-WEATHER

ENVIRONMENTAL

No. 550

EDM

Ravenna Ohio

RVAA P: USACE

Book # 1

No. 550 Enviro-Poly Cover



6 32281 55014-2

Location _____ Date _____

Project / Client _____

~~Intentionally~~

~~Blank~~

Location RUAAP Date 10/12/09

Project / Client USACE

Drum Log

Drum ID	Area / Contents
EQM 2009-18	Decon Water
EQM 2009-19	Purge Water
EQM 2009-20	Purge Water
EQM 2009-21	Purge Water
EQM 2009-22	Purge Water
LLs 1-12	Cobbs Pond, Central Burn
Pits	Ramsdell Quarry, Winkley's Burial Ground
NACA	Mustard Burial Site, Background
Wells 4, 5, 6, 8, 10, 12, 13, 15, 16, 17, 18, 19, 20, 21	
C-Blocks	Fuse & Bomb Quary, Open Det. 3
Eric	Burning Grounds, Building 1200
Landfill	N. of Winkley's

Location RUAAP

Date 10-12-09

Project / Client USACE

PH HB

JM CAL ASD EC PH HB SS

1000

ONSITE

Setup for the day

1100

Calibrations

1130

H+S briefing then

to purge sample for gtry.

1700

Began W6, L17

start return to 1036

1730

pack sample for Fed exp

+ LAB Delivery

1745

FED EXP + PREP FOR NEXT DAY

1815

LAB ARRIVAL

1930

OFFSITE

~~Cont~~

Location RUAAP

Date 10-13-09

Project / Client USACE

PH HB SS

JM CAL ASD EC PH HB SS

1730

ONSITE

Set up for the day +
Calibrations

0800

H+S briefing

Began purge sample
@ LL9 U8 U10

1700

partial rtn to 1036

1730

pack sample for Fed exp
and for lab pickup

1800

FED EXP + prep for next
Day

1815

lab pickup

1830

off site

~~Cont~~

106 Location RVAAP Date 10-14-09
Project / Client USACE Prkly
Cal SS ASDC PH HB

0730 Onsite
Prep for the day
and calibrations
H+S briefing
continue purge + sample
cont W10 begun W11, DA2
RAL ASY
begin work at 1036
prep for the next day and
for lab pickup and for
fed ex shipment of samples
1800 Fed ex samples for splits
lab pickup of samples
1820 OFFSITE

~~Cont~~

107 Location RVAAP Date 10-15-09
Project / Client USACE Prkly
Cal SS ASDC PH HB RAIN

0730 Onsite
prep for the day
and calibrations
H+S briefing + sample
cont ASY DA2
start W12
1700 Begin prep for next
day of lab pickup +
sample shipment
1745 Fed Ex samples
lab pickup
1815 Off site

Location USACE

Date 10-16-09

Project / Client RVAAP

Drily + Metals

EC, CAL, SS, HB, AD, PH, J Event

0730 ONSITE

PREP FOR DAY

0800 CALIBRATION

H+S MEETING

U12 Metals Sampling

1330 PARTIAL CREWS TO 1036

PACK SAMPLE FOR LAB

PICKUP

1400 PREP FOR METALS

SAMPLING NEXT WEEKS

1430 PARTIAL CREWS LEAVE

CLEAN/PICKUP 1036

1510 LAB PICKUP

1520 OFFSITE

Cal

Location USACE

Date 10-19-09

Project / Client RVAAP

Metals

JM, JB, EC, CAL, SS, HB, PH, AD, HB Event

1045 ONSITE

PREP FOR THE DAY

NOTIFY GUARD OF ACTIVITIES

1100 CALIBRATION

1115 H+S MEETING

Well Maintenance

1200 Began filtered/perforated

metals sampling for remaining

of all 237 metals

U1 ROL, U2, EBS

1730 partial crews to pack samples

for alternate day pickup + prep

1815 Offsite

Cal

Static Water Level Measurements

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/12/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
ASYmw-001	Atlas Scrap	23.11	05767	JM	15:30	13.84		0
Cmt:Good, Hard								
ASYmw-002	Atlas Scrap	22.88	05767	JM	15:34	16.46		0
Cmt:Good, Hard								
ASYmw-007	Atlas Scrap	28.85	05767	JM	15:39	16.24		0
Cmt:Good, Hard								
ASYmw-008	Atlas Scrap	26.58	05767	JM	15:41	6.61		0
Cmt:Good, Medium								
ASYmw-005	Atlas Scrap	27.11	05767	JM	15:43	11.05		0
Cmt:Good, Hard								
ASYmw-004	Atlas Scrap	29.72	05767	JM	15:47	11.93		0
Cmt:Good, Hard								
ASYmw-010	Atlas Scrap	31.07	05767	JM	15:49	13.8		0
Cmt:Good, Hard								
ASYmw-006	Atlas Scrap	28.84	05767	JM	16:02	15.54		0
Cmt:Good, Hard								
ASYmw-009	Atlas Scrap	24.32	05767	JM	16:06	14.39		0
Cmt:Good, Medium								
ASYmw-003	Atlas Scrap	23.46	05767	JM	16:09	24.75		0
Cmt:Good, Hard								
DET-003	Demo.Area	16.01	05767	JM	14:45	9.78		0
Cmt:Good, Medium								
DET-004	Demo.Area	13.81	05767	JM	14:50	10.97		0
Cmt:Good, Hard								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/12/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
LL10mw-006	Loadline 10	26.49	05767	JM	12:40	15.2		0
	Cmt:Good, Hard							
LL10mw-002	Loadline 10	29.78	05767	JM	12:45	19.54		0
	Cmt:Good, Hard							
LL10mw-001	Loadline 10	29.5	05767	JM	12:50	26.35		0
	Cmt:Good, Hard							
LL10mw-004	Loadline 10	33.46	05767	JM	12:52	15.49		0
	Cmt:Good, Hard							
LL10mw-003	Loadline 10	28.5	05767	JM	13:03	21.7		0
	Cmt:Good, Hard							
LL10mw-005	Loadline 10	29.21	05767	JM	13:05	17.82		0
	Cmt:Good, Hard							
LL11mw-001	Loadline 11	23.22	05767	JM	13:55	11.71		0
	Cmt:Good, Hard							
LL11mw-009	Loadline 11	19.47	05767	JM	14:00	4.71		0
	Cmt:Good, Hard							
LL11mw-010	Loadline 11	23.4	05767	JM	14:05	6.3		0
	Cmt:Good, Hard							
LL11mw-003	Loadline 11	16.01	05767	JM	14:10	2.92		0
	Cmt:Good, Hard							
LL11mw-004	Loadline 11	16.15	05767	JM	14:15	2.78		0
	Cmt:Good, Hard							
LL11mw-005	Loadline 11	16.39	05767	JM	14:20	10.98		0
	Cmt:Good, Hard							
LL11mw-006	Loadline 11	15.68	05767	JM	14:25	6.58		0
	Cmt:Good, Hard							
LL11mw-008	Loadline 11	15.69	05767	JM	14:30	4.25		0
	Cmt:Good, Hard							
LL6mw-007	Loadline 6	19.32	05767	JM	11:13	9.77		0
	Cmt:Good, Hard							
LL6mw-005	Loadline 6	22.22	05767	JM	11:20	13.8		0
	Cmt:Good, Hard							
LL6mw-006	Loadline 6	17.72	05767	JM	11:30	16.79		0
	Cmt:Good, Hard							

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: **RVAAP**

PROJECT NUMBER: **030240.0006**

FIELD BOOK#: **1**

DATE: **10/12/2009**

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
LL7mw-003	Loadline 7	33.55	05767	JM	11:40	13.65		0
	Cmt:Good, Hard							
LL7mw-006	Loadline 7	30.35	05767	JM	11:45	13.49		0
	Cmt:Good, Hard							
LL7mw-005	Loadline 7	30.37	05767	JM	11:48	24.19		0
	Cmt:Good, Hard							
LL7mw-004	Loadline 7	32.23	05767	JM	11:50	17.11		0
	Cmt:Good, Hard							
LL7mw-001	Loadline 7	33.02	05767	JM	11:55	23.73		0
	Cmt:Good, Hard							
LL7mw-002	Loadline 7	27.15	05767	JM	12:00	19.53		0
	Cmt:Good, Hard							
LL8mw-001	Loadline 8	27.47	05767	JM	12:10	14.2		0
	Cmt:Good, Medium							
LL8mw-002	Loadline 8	32.61	05767	JM	12:15	21.71		0
	Cmt:Good, Hard							
LL8mw-004	Loadline 8	22.71	05767	JM	12:18	14.42		0
	Cmt:Good, Hard							
LL8mw-006	Loadline 8	27.02	05767	JM	12:20	21.61		0
	Cmt:Good, Medium							
LL8mw-005	Loadline 8	26.94	05767	JM	12:25	16.1		0
	Cmt:Good, Medium							
LL8mw-003	Loadline 8	23	05767	JM	12:30	15.94		0
	Cmt:Good, Hard							

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/12/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
LL9mw-001	Loadline 9	23.26	05767	JM	13:10	17.32		0
	Cmt:Good, Hard							
LL9mw-004	Loadline 9	34.67	05767	JM	13:15	22.95		0
	Cmt:Good, Hard							
LL9mw-006	Loadline 9	28.79	05767	JM	13:20	21.63		0
	Cmt:Good, Hard							
LL9mw-007	Loadline 9	18.09	05767	JM	13:25	11.68		0
	Cmt:Good, Hard							
LL9mw-005	Loadline 9	23.48	05767	JM	13:30	18.8		0
	Cmt:Good, Hard							
LL9mw-002	Loadline 9	22.71	05767	JM	13:35	16.75		0
	Cmt:Good, Hard							
LL9mw-003	Loadline 9	24.14	05767	JM	13:40	16.49		0
	Cmt:Good, Hard							
RQLmw-007	Ramsdell Qu	18.6	05767	JM	15:10	10.76		0
	Cmt:Good, Hard							
RQLmw-008	Ramsdell Qu	18.62	05767	JM	15:15	10.4		0
	Cmt:Good, Hard							
RQLmw-009	Ramsdell Qu	18.79	05767	JM	15:20	9.45		0
	Cmt:Good, Hard							

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/12/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
LL6mw-007	Loadline 6		1266	PH	12:15	8.77		0
Cmt:Good,								
LL6mw-006	Loadline 6		1266	EC	14:50	16.73		0
Cmt:Good,								
LL6mw-005	Loadline 6		1266	PH	16:10	13.71		0
Cmt:Good,								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/12/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
LL7mw-005	Loadline 7		5769	CAL	12:15	24.24		0
Cmt: Good,								
LL7mw-006	Loadline 7		5769	CAL	13:37	13.41		0
Cmt: Good,								
LL7mw-004	Loadline 7		5769	CAL	15:40	17.02		0
Cmt: Good, tinted orange								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/12/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgnd)
LL7mw-003	Loadline 7		2804	AD	12:11	13.46		0
Cmt: Good,								
LL7mw-001	Loadline 7		2804	AD	14:31	20.9		0
Cmt: Good,								
LL7mw-002	Loadline 7		2804	AD	16:09	19.35		0
Cmt: Good,								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/13/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
LL10mw-001	Loadline 10		1266	EC	15:40	26.32		0
Cmt:Good,								
LL9mw-002	Loadline 9		1266	EC	8:20	16.63		0
Cmt:Good,								
LL9mw-003	Loadline 9		1266	PH	9:25	16.25		0
Cmt:Good,								
LL9mw-005	Loadline 9		1266	EC	13:10	18.61		0
Cmt:Good,								
LL9mw-007	Loadline 9		1266	EC	14:20	11.61		0
Cmt:Good,								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/13/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgnd)
LL8mw-006	Loadline 8		5769	CAL	8:35	21.62		0
Cmt:Good,								
LL8mw-005	Loadline 8		5769	CAL	9:50	16.18		0
Cmt:Good, orange tss								
LL9mw-004	Loadline 9		5769	CAL	12:50	23		0
Cmt:Good,								
LL9mw-001	Loadline 9		5769	CAL	13:58	17.34		0
Cmt:Good,								
LL9mw-006	Loadline 9		5769	CAL	14:20	21.69		0
Cmt:Good, orange tint								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/13/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgnd)
LL10mw-003	Loadline 10		5676	AD	14:22	21.62		0
	Cmt:Good,							
LL10mw-002	Loadline 10		5676	AD	15:40	19.59		0
	Cmt:Good,							
LL8mw-002	Loadline 8		5767	AD	8:36	21.59		
	Cmt:Good,							
LL8mw-001	Loadline 8		5767	AD	10:27	14.12		0
	Cmt:Good,							
LL8mw-004	Loadline 8		5676	AD	11:41	14.27		0
	Cmt:Good,							
LL8mw-003	Loadline 8		5676	AD	12:48	16.12		0
	Cmt:Good,							

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/14/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
LL10mw-004	Loadline 10		1266	EC	8:20	15.56		0
Cmt:Good,								
LL11mw-003	Loadline 11		1266	EC	10:55	2.67		0
Cmt:Good,								
LL11mw-004	Loadline 11		1266	EC	11:50	2.34		0
Cmt:Good,								
LL11mw-005	Loadline 11		1266	EC	14:20	10.57		0
Cmt:Good,								
LL11mw-001	Loadline 11		1266	EC	15:35	11.75		0
Cmt:Good,								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/14/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
DET-004	Demo.Area		5769	CAL	8:33	11.15		0
Cmt:Good, DRY AT 1.75 LITERS								
DET-003	Demo.Area		5769	CAL	12:11	9.88		0
Cmt:Good,								
LL10mw-006	Loadline 10		5769	CAL	8:47	15.34		0
Cmt:Good, compressor had to be switched out								
LL10mw-005	Loadline 10		5769	CAL	10:53	17.94		0
Cmt:Good, slight tint at start								
RQLmw-007	Ramsdell Qu		5769	CAL	14:19	10.93		0
Cmt:Good,								
RQLmw-008	Ramsdell Qu		5769	CAL	15:04	10.56		0
Cmt:Good,								
RQLmw-009	Ramsdell Qu		5769	CAL	16:00	9.78		0
Cmt:Good, opaque orange								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/14/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
ASYmw-001	Atlas Scrap		5676	AD	16:10	13.84		0
Cmt:Good,								
LL11mw-010	Loadline 11		5676	AD	8:33	5.98		0
Cmt:Good,								
LL11mw-006	Loadline 11		5676	AD	11:43	6.59		0
Cmt:Good,								
LL11mw-008	Loadline 11		5676	AD	12:56	4.5		0
Cmt:Good,								
LL11mw-009	Loadline 11		5676	AD	14:48	4.74		0
Cmt:Good,								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/15/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
ASYmw-004	Atlas Scrap		5769	PH	9:30	11.8		0
Cmt:Good,								
ASYmw-005	Atlas Scrap		5769	PH	12:15	10.52		0
Cmt:Good,								
ASYmw-006	Atlas Scrap		5769	PH	13:40	15.85		0
Cmt:Good,								
LL12mw-187	Loadline 12		5769	PH	15:00	12.72		0
Cmt:Good,								
LL12mw-189	Loadline 12		5769	PH	16:05	6.63		0
Cmt:Good,								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/15/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgrnd)
ASYmw-002	Atlas Scrap		1266	EC	10:35	16.51		0
Cmt:Good, Compressor problems on 2 units.								
ASYmw-010	Atlas Scrap		1266	EC	12:40	13.74		0
Cmt:Good,								
LL12mw-186	Loadline 12		1266	EC	15:10	6.94		0
Cmt:Good,								

MONITOR WELL STATIC WATER LEVEL FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

FIELD BOOK#: 1

DATE: 10/15/2009

Monitor Well Number	Location	Total Well Depth (ft)	Water Level Indicator	Sampler	Time	Depth to Static Water Level (ft)	Sounding	PID Reading (above bkgnd)
ASYmw-003	Atlas Scrap		5677	AD	8:37	14.71		0
Cmt:Good,								
ASYmw-009	Atlas Scrap		5676	AD	9:48	14.47		0
Cmt:Good,								
ASYmw-007	Atlas Scrap		5676	AD	10:52	15.97		0
Cmt:Good,								
ASYmw-008	Atlas Scrap		5676	AD	12:19	6.21		0
Cmt:Good,								
LL12mw-242	Loadline 12		5676	AD	15:18	12.65		0
Cmt:Good,								
LL12mw-188	Loadline 12		5676	AD	15:56	7.02		0
Cmt:Good,								

Purge/Sample Records

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 6 DATE: 10/12/2009 START TIME: 16:10

WELL ID: LL6mw-005

WELL DEPTH: _____ INITIAL WATER LEVEL: 13.71

WELL DIAMETER _____ SCREEN INTERVAL: 9.5 - 19.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 14.5

PUMP READINGS: Throttle: 40 Recharge: 10 Discharge: 5

COMMENTS CLOUDY Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE (L/min)	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
16:15	13.99	0.2	0.5	13	0.56	0.08	6.96	999
16:18	14.13	0.2	0.6	13	0.56	0	6.94	999
16:21	14.21	0.2	0.6	13	0.56	0	6.92	700

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: PH

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 6 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL6mw-005 SampleID: FWGLL6mw-005C-1427-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 16:30

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>600</u>	Color: <u>CLOUDY</u>
		Odor: <u>None</u>

pH: 6.91 Temperature (°C): 13.1 DO (mg/L): 0 Specific Conductivity (mS/cm): 0.56

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 52
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: PH Cmt: ORP = -82 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	353.2/8330	Propellants

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 6 DATE: 10/12/2009 START TIME: 14:50

WELL ID: LL6mw-006

WELL DEPTH: _____ INITIAL WATER LEVEL: 16.73

WELL DIAMETER _____ SCREEN INTERVAL: 7 - 17

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 12.0

PUMP READINGS: Throttle: 20 Recharge: 12 Discharge: 3

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:50	16.73	0.1	0.3	12.9	0.54	5.1	9	840
14:53	16.93	0.1	0.3	13.1	0.54	4.66	7.25	810
14:56	16.93	0.1	0.3	13.3	0.54	4.38	7.08	800
14:59	16.93	0.1	0.3	13.5	0.54	3.73	7.08	780
15:02	16.93	0.1	0.3	13.7	0.54	3.15	7.09	700

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 6 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL6mw-006 SampleID: FWGLLmw-006C-1428-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 15:10

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>620</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 7.11 Temperature (°C): 13.9 DO (mg/L): 3.02 Specific Conductivity (mS/cm): 0.54

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 55
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 193 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
250ml/Poly	1	NaOH	9012	Cyanide
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8082	PCB
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 6 DATE: 10/12/2009 START TIME: 12:15
 WELL ID: LL6mw-007
 WELL DEPTH: _____ INITIAL WATER LEVEL: 8.77
 WELL DIAMETER _____ SCREEN INTERVAL: 9.5 - 19.5
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 14.5
 PUMP READINGS: Throttle: 30 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:25	8.88	0.2	1	12.9	0.45	0.1	6.57	650
12:28	8.92	0.2	0.6	12.9	0.45	0.06	6.63	560
12:31	9.52	0.2	0.6	12.8	0.45	0	6.85	430
12:34	9.72	0.2	0.6	12.8	0.45	0	6.91	360
12:37	9.73	0.2	0.6	12.8	0.45	0	6.95	340

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: PH

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 6 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL6mw-007 SampleID: FWGLL6mw-007C-1429-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 12:40

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>270</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>6.96</u>	Temperature (°C): <u>12.8</u>	DO (mg/L): <u>0</u>
		Specific Conductivity (mS/cm): <u>0.45</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 48
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: PH Cmt: ORP = 88 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	353.2/8330	Propellants
250ml/Poly	1	NaOH	9012	Cyanide
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8270	SVOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8081	Pest

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 7 DATE: 10/12/2009 START TIME: 14:31

WELL ID: LL7mw-001

WELL DEPTH: _____ INITIAL WATER LEVEL: 20.9

WELL DIAMETER _____ SCREEN INTERVAL: 19.5 - 29.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 24.5

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS Orange Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
15:02	22.60	0.1	0.2	14.89	0.358	6.6	6.03	999
15:05	22.62	0.1	0.3	14.91	0.348	5.58	5.91	999
15:08	22.60	0.1	0.3	14.93	0.344	5.18	5.8	999
15:11	22.60	0.1	0.3	14.88	0.34	4.85	5.76	999
15:14	22.60	0.1	0.3	14.91	0.339	4.72	5.76	999

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 7 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL7mw-001 SampleID: FWGLL7mw-001C-1430-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 15:15

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>999</u>	Color: <u>Orange</u>
		Odor: <u>None</u>
pH: <u>5.76</u>	Temperature (°C): <u>14.92</u>	DO (mg/L): <u>4.66</u>
		Specific Conductivity (mS/cm): <u>0.338</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: W AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 26 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	8330	Explo
250ml/Poly	1	NaOH	9012	Cyanide
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 7

DATE: 10/12/2009

START TIME: 16:09

WELL ID: LL7mw-002

WELL DEPTH: _____

INITIAL WATER LEVEL: 19.35

WELL DIAMETER _____

SCREEN INTERVAL: 15 - 25

PUMP/PURGING DEVICE: BP - BLADDER PUMP

PUMP INTAKE DEPTH: 20.0

PUMP READINGS: Throttle: 50

Recharge: 10

Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
16:21	19.48	0.2	0.2	17.44	0.328	7.93	5.83	42.1
16:24	19.56	0.2	0.6	17.45	0.328	7.73	5.67	49.2
16:27	19.88	0.2	0.6	17.36	0.328	7.53	5.68	62.7
16:33	19.91	0.2	1.2	17.35	0.328	7.39	5.73	66.8

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 7 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL7mw-002 SampleID: FWGLL7mw-002C-1431-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 16:35

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>67.2</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>5.75</u>	Temperature (°C): <u>17.35</u>	DO (mg/L): <u>7.37</u>
		Specific Conductivity (mS/cm): <u>0.328</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: W AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 140 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	353.2/8330	Propellants
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	8082	PCB
1L/Poly	2	HNO3	6010/6020/7470	Metals

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
LOCATION: LOADLINE 7 DATE: 10/12/2009 START TIME: 12:11
WELL ID: LL7mw-003
WELL DEPTH: _____ INITIAL WATER LEVEL: 13.46
WELL DIAMETER _____ SCREEN INTERVAL: 21 - 31
PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 26.0
PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5
COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:37	13.23	0.2	0.2	14.45	0.363	8.34	5.47	98
12:40	13.60	0.2	0.6	14.38	0.367	8.13	5.56	101
12:43	13.98	0.2	0.6	14.3	0.345	7.6	5.65	86.1
12:46	14.00	0.2	0.6	14.28	0.338	7.42	5.67	82.1
12:49	13.60	0.2	0.6	14.25	0.331	7.28	5.68	78.8

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 7 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL7mw-003 SampleID: FWGLL7mw-003C-1432-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: Y
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 12:55

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>78.8</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>5.68</u>	Temperature (°C): <u>14.25</u>	DO (mg/L): <u>7.28</u>
		Specific Conductivity (mS/cm): <u>0.331</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: W AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 20 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
40ml/Vial	9	HCl	8260	VOC
1L/Amber	6	4C	353.2/8330	Propellants
1L/Amber	3	4C	8330	Explo
1L/Amber	6	4C	8270	SVOC
1L/Amber	6	4C	8081	Pest
1L/Amber	6	4C	8082	PCB
1L/Poly	4	HNO3	6010/6020/7470	Metals
250ml/Poly	3	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 7 DATE: 10/12/2009 START TIME: 15:40

WELL ID: LL7mw-004

WELL DEPTH: INITIAL WATER LEVEL: 17.02

WELL DIAMETER SCREEN INTERVAL: 19.5 - 29.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 24.5

PUMP READINGS: Throttle: 45 Recharge: 12 Discharge: 3

COMMENTS tinted orange tint orange Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
15:51	17.00	0.35	0.2	13.43	0.231	2.91	5.49	103
15:54	17.00	0.33	0.99	13.09	0.247	5.27	5.68	132
15:57	17.00	0.33	0.99	13.07	0.246	6.01	5.8	119
16:00	17.01	0.33	0.99	13.17	0.245	7.44	5.91	106
16:03	17.03	0.33	0.99	13.11	0.245	7.58	5.95	102
16:06	17.04	0.33	0.99	13.01	0.244	7.83	6	100

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 7 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL7mw-004 SampleID: FWGLL7mw-004C-1433-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 16:21

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>95.1</u>	Color: <u>tint orange</u>
		Odor: <u>None</u>
pH: <u>6.01</u>	Temperature (°C): <u>12.99</u>	DO (mg/L): <u>7.9</u>
		Specific Conductivity (mS/cm): <u>0.243</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = 106 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	1	4C	8330	Explo
1L/Poly	2	HNO3	6010/6020/7470	Metals
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
LOCATION: LOADLINE 7 DATE: 10/12/2009 START TIME: 12:15
WELL ID: LL7mw-005
WELL DEPTH: _____ INITIAL WATER LEVEL: 24.24
WELL DIAMETER _____ SCREEN INTERVAL: 18 - 28
PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 23.0
PUMP READINGS: Throttle: 35 Recharge: 13 Discharge: 2
COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:25	24.30	0.19	0.25	12.6	0.153	5.35	5.42	67.8
12:29	24.47	0.19	0.76	12.4	0.13	5.74	5.48	75.9
12:32	24.78	0.19	0.57	12.31	0.13	5.93	5.53	81
12:35	25.10	0.19	0.57	12.27	0.131	6.29	5.62	75.3
12:38	25.29	0.19	0.57	12.21	0.132	6.58	5.68	74.9
12:41	25.34	0.19	0.57	12.18	0.132	6.65	5.72	75.7

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 7 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL7mw-005 SampleID: FWGLL7mw-005C-1434-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 12:48

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>77.9</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 5.73 Temperature (°C): 12.15 DO (mg/L): 6.72 Specific Conductivity (mS/cm): 0.132

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = 161 mv, DRY AT PARTIAL VOLUME

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	1	4C	8330	Explo
1L/Amber	1	4C	8082	PCB
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	1	4C	8081	Pest

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 7

DATE: 10/12/2009

START TIME: 13:37

WELL ID: LL7mw-006

WELL DEPTH: _____

INITIAL WATER LEVEL: 13.41

WELL DIAMETER _____

SCREEN INTERVAL: 17.5 - 27.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP

PUMP INTAKE DEPTH: 22.5

PUMP READINGS: Throttle: 35

Recharge: 13

Discharge: 2

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
13:43	13.52	0.19	0.2	14.02	0.14	2.6	5.31	28.9
13:46	13.54	0.19	0.57	14.21	0.14	2.62	5.29	35
13:49	13.56	0.19	0.57	14.24	0.139	2.77	5.27	31.5

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 7 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL7mw-006 SampleID: FWGLL7mw-006C-1435-GW/GF DuplID: FWGLL7mw-DUP
 SplitID: FWGLL7mw-006C-1478S-GW/GF RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/12/2009 TIME: 13:58

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>39.8</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>5.26</u>	Temperature (°C): <u>14.24</u>	DO (mg/L): <u>2.86</u>
		Specific Conductivity (mS/cm): <u>0.139</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 44
 SHIPPED VIA: Lab PU/FedEx
 SHIPPED TO: Multiple Labs
 SAMPLER: CAL Cmt: ORP = 303 mv, DUP @1438

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	6	4C	8270	SVOC
1L/Amber	5	4C	8082	PCB
1L/Poly	6	HNO3	6010/6020/7470	Metals
1L/Amber	5	4C	8330	Explo
1L/Amber	5	4C	8081	Pest
1L/Amber	5	4C	353.2/8330	Propellants
250ml/Poly	3	NaOH	9012	Cyanide
40ml/Vial	9	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 8 DATE: 10/13/2009 START TIME: 10:27

WELL ID: LL8mw-001

WELL DEPTH: _____ INITIAL WATER LEVEL: 14.12

WELL DIAMETER _____ SCREEN INTERVAL: 14 - 24

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 19.0

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
10:31	14.38	0.1	0.2	15.21	0.86	8.22	6.87	708
10:34	14.34	0.1	0.3	15.18	0.86	8.69	6.95	677
10:37	14.32	0.1	0.3	15.16	0.86	9.08	7.03	659
10:40	14.31	0.1	0.3	15.2	0.859	8.67	7.06	606
10:43	14.31	0.1	0.3	15.25	0.858	8.39	7.08	539

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 8 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL8mw-001 SampleID: FWGLL8mw-001C-1436-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 10:45

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>532</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>7.09</u>	Temperature (°C): <u>15.28</u>	DO (mg/L): <u>8.32</u>
		Specific Conductivity (mS/cm): <u>0.858</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 45
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= -29 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8081	Pest
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8270	SVOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 8 DATE: 10/13/2009 START TIME: 8:36

WELL ID: LL8mw-002

WELL DEPTH: _____ INITIAL WATER LEVEL: 21.59

WELL DIAMETER _____ SCREEN INTERVAL: 20 - 30

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 25.0

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
8:32	21.62	0.2	0.2	14.76	0.99	9.68	6.27	183
8:35	21.65	0.2	0.6	14.57	0.99	8.77	6.34	194
8:38	21.65	0.2	0.6	14.41	0.98	7.84	6.37	174

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 8 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL8mw-002 SampleID: FWGLL8mw-002C-1437GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: Y
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 8:45

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>178</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	
pH: <u>6.39</u>	Temperature (°C): <u>14.39</u>	DO (mg/L): <u>7.82</u>	Specific Conductivity (mS/cm): <u>0.98</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= -10 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
40ml/Vial	9	HCl	8260	VOC
250ml/Poly	3	NaOH	9012	Cyanide
1L/Amber	6	4C	353.2/8330	Propellants
1L/Poly	4	HNO3	6010/6020/7470	Metals
1L/Amber	6	4C	8082	PCB
1L/Amber	6	4C	8270	SVOC
1L/Amber	6	4C	8081	Pest
1L/Amber	3	4C	8330	Explo

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 8 DATE: 10/13/2009 START TIME: 12:48
 WELL ID: LL8mw-003
 WELL DEPTH: _____ INITIAL WATER LEVEL: 16.12
 WELL DIAMETER _____ SCREEN INTERVAL: 10.5 - 20.5
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 15.5
 PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:53	16.25	0.1	0.2	16.8	1.17	8.17	6.67	91
12:56	16.33	0.1	0.3	17.29	1.17	7.4	6.68	91.4
12:59	16.40	0.1	0.3	17.74	1.17	7.01	6.64	76.7

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 8 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL8mw-003 SampleID: FWGLL8mw-003C-1438-GW/GF DuplID: _____
 SplitID: _____ RinselD: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 13:05

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>58.6</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 6.65 Temperature (°C): 17.69 DO (mg/L): 6.98 Specific Conductivity (mS/cm): 1.17

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= -14 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8082	PCB
1L/Amber	1	4C	8330	Explo

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 8 DATE: 10/13/2009 START TIME: 11:41
 WELL ID: LL8mw-004
 WELL DEPTH: _____ INITIAL WATER LEVEL: 14.27
 WELL DIAMETER _____ SCREEN INTERVAL: 10 - 20
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 15.0
 PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
11:45	14.45	0.1	0.2	15.79	0.806	9.15	6.93	191
11:48	14.45	0.1	0.3	15.92	0.809	8.71	6.97	313
11:51	14.39	0.1	0.3	15.93	0.81	8.32	7.03	323

Note: Condition of the well: See STATIC WATER LEVEL FORM
 Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 8 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL8mw-004 SampleID: FWGLL8mw-004C-1439-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 11:55

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>308</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>7.02</u>	Temperature (°C): <u>15.93</u>	DO (mg/L): <u>8.15</u>
		Specific Conductivity (mS/cm): <u>0.81</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 94 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8270	SVOC
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	1	4C	8330	Explo
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8081	Pest
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
LOCATION: LOADLINE 8 DATE: 10/13/2009 START TIME: 9:50
WELL ID: LL8mw-005
WELL DEPTH: _____ INITIAL WATER LEVEL: 16.18
WELL DIAMETER _____ SCREEN INTERVAL: 14 - 24
PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 19.0
PUMP READINGS: Throttle: 40 Recharge: 13 Discharge: 2
COMMENTS orange tss ORANGE Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE (L/min)	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
9:51	16.42	0.25	0.25	12.21	0.513	1.86	5.38	-5
9:54	16.84	0.2	0.6	12.25	0.512	2.03	5.37	-5
9:57	16.92	0.2	0.6	12.35	0.507	2.5	5.36	-5
10:00	17.00	0.2	0.6	12.38	0.506	2.68	5.36	-5

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 8 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL8mw-005 SampleID: FWGLL8mw-005C-1440-GW/GF DuplID: FWGLL8mw-DUP2-1474-GW/GF
 SplitID: FWGLL8mw-005C-1479S-GW/GF RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 10:12

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>325</u>	Color: <u>ORANGE</u>
		Odor: <u>None</u>
pH: <u>5.36</u>	Temperature (°C): <u>12.39</u>	DO (mg/L): <u>2.89</u>
		Specific Conductivity (mS/cm): <u>0.504</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 48
 SHIPPED VIA: Lab PU/FedEx
 SHIPPED TO: Multiple Labs
 SAMPLER: CAL Cmt: ORP = 103 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	5	4C	353.2/8330	Propellants
1L/Amber	5	4C	8330	Explo
1L/Amber	6	4C	8270	SVOC
1L/Amber	5	4C	8081	Pest
40ml/Vial	9	HCl	8260	VOC
250ml/Poly	3	NaOH	9012	Cyanide
1L/Poly	6	HNO3	6010/6020/7470	Metals
1L/Amber	5	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 8

DATE: 10/13/2009

START TIME: 8:35

WELL ID: LL8mw-006

WELL DEPTH: _____

INITIAL WATER LEVEL: 21.62

WELL DIAMETER _____

SCREEN INTERVAL: 14 - 24

PUMP/PURGING DEVICE: BP - BLADDER PUMP

PUMP INTAKE DEPTH: 19.0

PUMP READINGS: Throttle: 45

Recharge: 12.5

Discharge: 2.5

COMMENTS tint Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
8:44	21.65	0.3	0.25	12.03	0.564	3.85	5.92	999
8:47	21.80	0.25	0.75	11.88	0.562	3.19	6.08	781
8:50	21.75	0.25	0.75	11.86	0.561	3.14	6.21	629
8:53	21.74	0.25	0.75	11.83	0.559	3.23	6.28	429
8:56	21.73	0.25	0.75	11.81	0.557	3.35	6.34	375
8:59	21.72	0.25	0.75	11.8	0.555	3.41	6.37	349

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 8 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL8mw-006 SampleID: FWGLL8mw-006C-1441-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 9:09

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>372</u>	Color: <u>tint</u>
		Odor: <u>None</u>
pH: <u>6.38</u>	Temperature (°C): <u>11.79</u>	DO (mg/L): <u>3.47</u>
		Specific Conductivity (mS/cm): <u>0.555</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 47
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = 247 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 9 DATE: 10/13/2009 START TIME: 13:58

WELL ID: LL9mw-001

WELL DEPTH: _____ INITIAL WATER LEVEL: 17.34

WELL DIAMETER _____ SCREEN INTERVAL: 10.5 - 20.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 15.5

PUMP READINGS: Throttle: 35 Recharge: 12.5 Discharge: 2.5

COMMENTS tint Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
16:01	17.40	0.225	0.2	12.39	0.298	6.18	5.29	200
16:04	17.42	0.225	0.675	12.45	0.299	6.77	5.45	204
16:07	17.45	0.225	0.675	12.69	0.298	6.15	5.66	173
16:10	17.48	0.225	0.675	12.83	0.297	6.52	5.74	162
16:13	17.54	0.225	0.675	12.88	0.297	6.78	5.8	132
16:16	17.62	0.225	0.675	12.91	0.296	6.87	5.83	103

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 9 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL9mw-001 SampleID: FWGLL9mw-001C-1442-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 16:21

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>97.3</u>	Color: <u>tint</u>
		Odor: <u>None</u>
pH: <u>5.85</u>	Temperature (°C): <u>12.89</u>	DO (mg/L): <u>6.89</u>
		Specific Conductivity (mS/cm): <u>0.296</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 46
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP= 202 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Poly	2	HNO3	6010/6020/7470	Metals
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	8330	Explo

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 9 DATE: 10/13/2009 START TIME: 8:20

WELL ID: LL9mw-002

WELL DEPTH: _____ INITIAL WATER LEVEL: 16.63

WELL DIAMETER _____ SCREEN INTERVAL: 10 - 20

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 15.0

PUMP READINGS: Throttle: 35 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
8:27	17.02	0.2	0.2	13.8	0.21	5.02	5.27	180
8:30	17.18	0.2	0.6	13.8	0.19	4.42	5.36	170
8:33	17.29	0.2	0.6	13.8	0.2	4.52	5.39	120
8:36	17.43	0.2	0.6	13.8	0.2	4.56	5.4	130

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 9 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL9mw-002 SampleID: FWGLL9mw-002C-1443-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 8:50

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>130</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>5.42</u>	Temperature (°C): <u>13.8</u>	DO (mg/L): <u>4.43</u>
		Specific Conductivity (mS/cm): <u>0.21</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 256 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8270	SVOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	353.2/8330	Propellants
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
LOCATION: LOADLINE 9 DATE: 10/13/2009 START TIME: 9:25
WELL ID: LL9mw-003
WELL DEPTH: _____ INITIAL WATER LEVEL: 16.25
WELL DIAMETER _____ SCREEN INTERVAL: 11.5 - 21.5
PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 16.5
PUMP READINGS: Throttle: 35 Recharge: 10 Discharge: 5
COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
9:34	16.72	0.2	0.2	13.6	0.16	2.94	5.75	100
9:37	16.92	0.2	0.6	13.8	0.16	1.49	5.77	81
9:40	16.95	0.2	0.6	13.9	0.16	1.65	5.77	66

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: PH

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 9 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL9mw-003 SampleID: FWEGLL9mw-003C-1444-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: Y
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 9:50

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>37</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	
pH: <u>5.81</u>	Temperature (°C): <u>14</u>	DO (mg/L): <u>2.66</u>	Specific Conductivity (mS/cm): <u>0.16</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 48
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: PH Cmt: ORP = 240 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	4	HNO3	6010/6020/7470	Metals
1L/Amber	6	4C	8081	Pest
1L/Amber	6	4C	8082	PCB
1L/Amber	3	4C	8330	Explo
1L/Amber	6	4C	353.2/8330	Propellants
250ml/Poly	3	NaOH	9012	Cyanide
40ml/Vial	9	HCl	8260	VOC
1L/Amber	6	4C	8270	SVOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 9 DATE: 10/13/2009 START TIME: 12:50

WELL ID: LL9mw-004

WELL DEPTH: _____ INITIAL WATER LEVEL: 23

WELL DIAMETER _____ SCREEN INTERVAL: 22 - 32

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 27.0

PUMP READINGS: Throttle: 35 Recharge: 12.5 Discharge: 2.5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:55	23.06	0.125	0.2	12.81	0.242	6.42	5.4	72.4
12:58	23.06	0.125	0.375	12.5	0.246	1.28	5.06	55.7
13:01	23.06	0.125	0.375	12.37	0.246	0.89	5.02	35.9
13:04	23.07	0.125	0.375	12.24	0.246	0.73	5.01	26.3

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 9 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL9mw-004 SampleID: FWGLL9mw-004C-1445-GW/GF DuplID: FWGLL9mw-DUP3-1475-GW/GF
 SplitID: FWGLL9mw-004C-1480S-GW/GF RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 13:13

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>21.3</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	

pH: 5.02 Temperature (°C): 12.29 DO (mg/L): 0.66 Specific Conductivity (mS/cm): 0.245

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 47
 SHIPPED VIA: Lab PU/FedEx
 SHIPPED TO: Multiple Labs
 SAMPLER: CAL Cmt: ORP = 109 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	5	4C	353.2/8330	Propellants
1L/Amber	5	4C	8330	Explo
1L/Amber	5	4C	8082	PCB
1L/Amber	5	4C	8081	Pest
1L/Poly	6	HNO3	6010/6020/7470	Metals
1L/Amber	6	4C	8270	SVOC
40ml/Vial	9	HCl	8260	VOC
250ml/Poly	3	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 9 DATE: 10/13/2009 START TIME: 13:10

WELL ID: LL9mw-005

WELL DEPTH: _____ INITIAL WATER LEVEL: 18.61

WELL DIAMETER _____ SCREEN INTERVAL: 10 - 20

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 15.0

PUMP READINGS: Throttle: 30 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
13:24	19.08	0.2	0.2	13.6	0.12	3.18	5.79	24
13:27	19.12	0.2	0.6	13.8	0.12	2.41	5.73	28
13:30	19.20	0.2	0.6	13.9	0.12	2.26	5.71	33

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 9 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL9mw-005 SampleID: FWGLL9mw-005C-1446-GW/GF DuplID: _____
 SplitID: _____ RinselID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 13:40

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>38</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	
pH: <u>5.72</u>	Temperature (°C): <u>14</u>	DO (mg/L): <u>2.17</u>	Specific Conductivity (mS/cm): <u>0.12</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 223 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8081	Pest
1L/Poly	2	HNO3	6010/6020/7470	Metals

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 9 DATE: 10/13/2009 START TIME: 14:20

WELL ID: LL9mw-006

WELL DEPTH: _____ INITIAL WATER LEVEL: 21.69

WELL DIAMETER _____ SCREEN INTERVAL: 16 - 26

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 21.0

PUMP READINGS: Throttle: 30 Recharge: 12.5 Discharge: 2.5

COMMENTS orange tint TINT Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:43	21.80	0.2	0.25	11.54	0.117	3.8	4.64	61.1
14:46	21.85	0.15	0.45	11.57	0.116	3.17	4.47	51.6
14:49	21.84	0.15	0.45	11.62	0.115	3.61	4.42	53.6
14:52	21.85	0.15	0.45	11.65	0.115	4.37	4.41	37.4

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 9 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL9mw-006 SampleID: FWGLL9mw-00C-1447-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 15:01

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>328</u>	Color: <u>TINT</u>
		Odor: <u>None</u>

pH: 4.41 Temperature (°C): 11.66 DO (mg/L): 4.6 Specific Conductivity (mS/cm): 0.114

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 48
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = 230 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8330	Explo
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8082	PCB
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	8081	Pest

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 9 DATE: 10/13/2009 START TIME: 14:20

WELL ID: LL9mw-007

WELL DEPTH: _____ INITIAL WATER LEVEL: 11.61

WELL DIAMETER _____ SCREEN INTERVAL: 8.5 - 18.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 13.5

PUMP READINGS: Throttle: 25 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:35	11.72	0.2	0.2	12.9	0.13	10.48	5.88	76
14:38	11.73	0.2	0.6	13.2	0.15	2.62	5.83	44
14:41	11.74	0.2	0.6	13.3	0.15	1.92	5.83	24
14:44	11.75	0.2	0.6	13.4	0.15	1.91	5.85	19

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 9 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL9mw-007 SampleID: FWGLL9mw-007C-1448-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 14:50

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>18</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 5.85 Temperature (°C): 13.4 DO (mg/L): 2.04 Specific Conductivity (mS/cm): 0.15

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 44 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 10 DATE: 10/13/2009 START TIME: 15:40

WELL ID: LL10mw-001

WELL DEPTH: _____ INITIAL WATER LEVEL: 26.32

WELL DIAMETER _____ SCREEN INTERVAL: 17 - 27

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 22.0

PUMP READINGS: Throttle: 30 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
15:50	26.66	0.1	0.2	12.6	0.49	3.41	6.53	170
15:53	26.67	0.1	0.3	12.7	0.49	2.91	6.66	410
15:56	26.71	0.1	0.3	12.8	0.5	3.31	6.72	320
15:59	26.73	0.1	0.3	13	0.5	3.66	6.74	300

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 10 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL10mw-001 SampleID: FWGLL10mw-001C-1449-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 16:10

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>280</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	
pH: <u>6.75</u>	Temperature (°C): <u>13.2</u>	DO (mg/L): <u>3.91</u>	Specific Conductivity (mS/cm): <u>0.49</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 51
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 62 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 10 DATE: 10/13/2009 START TIME: 15:40

WELL ID: LL10mw-002

WELL DEPTH: _____ INITIAL WATER LEVEL: 19.59

WELL DIAMETER _____ SCREEN INTERVAL: 17 - 27

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 22.0

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
15:52	19.64	0.2	0.2	14.87	0.396	9.92	6.07	29.7
15:55	19.60	0.2	0.6	14.98	0.396	9.29	5.92	24.6
15:58	19.65	0.2	0.6	15.05	0.399	8.64	5.88	23.7
16:01	19.65	0.2	0.6	15.08	0.399	8.27	5.87	12.3

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 10 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL10mw-002 SampleID: FWGLL10mw-002C-1450-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 16:05

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>11</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>5.87</u>	Temperature (°C): <u>15.09</u>	DO (mg/L): <u>8.19</u>
		Specific Conductivity (mS/cm): <u>0.398</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: W AMBIENT TEMP (°F): 50
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 172 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8081	Pest
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	8270	SVOC
1L/Amber	1	4C	8330	Explo
1L/Poly	2	HNO3	6010/6020/7470	Metals

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 10 DATE: 10/13/2009 START TIME: 14:22
 WELL ID: LL10mw-003
 WELL DEPTH: _____ INITIAL WATER LEVEL: 21.62
 WELL DIAMETER _____ SCREEN INTERVAL: 16 - 26
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 21.0
 PUMP READINGS: Throttle: 60 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:29	21.78	0.2	0.2	15.68	0.543	9.2	6.33	49
14:32	21.81	0.2	0.6	15.71	0.526	8.51	6.21	43.2
14:35	21.81	0.2	0.6	15.61	0.521	7.66	6.18	45.3
14:38	21.84	0.2	0.6	15.63	0.519	7.34	6.16	42.1

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 10 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL10mw-003 SampleID: FWGLL10mw-003C-1451-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/13/2009 TIME: 14:45

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>32.4</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	
pH: <u>6.16</u>	Temperature (°C): <u>15.63</u>	DO (mg/L): <u>7.33</u>	Specific Conductivity (mS/cm): <u>0.518</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: W AMBIENT TEMP (°F): 48
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 139 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8270	SVOC
1L/Amber	1	4C	8330	Explo
40ml/Vial	3	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 10 DATE: 10/14/2009 START TIME: 8:20
 WELL ID: LL10mw-004
 WELL DEPTH: _____ INITIAL WATER LEVEL: 15.56
 WELL DIAMETER _____ SCREEN INTERVAL: 21 - 31
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 26.0
 PUMP READINGS: Throttle: 45 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
8:38	15.58	0.2	0.2	11.2	0.47	1.46	6.24	80
8:41	15.58	0.2	0.6	11.3	0.46	1.03	6.53	60
8:44	15.58	0.2	0.6	11.3	0.46	0.78	6.66	51
8:47	15.58	0.2	0.6	11.4	0.46	0.04	6.76	39
8:50	15.61	0.2	0.6	11.5	0.46	0	6.8	32
8:53	15.63	0.2	0.6	11.5	0.46	0	6.83	27

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 10 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL10mw-004 SampleID: FWGLL10mw-004C-1452-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: Y
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 9:00

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>23</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 6.84 Temperature (°C): 11.5 DO (mg/L): 0 Specific Conductivity (mS/cm): 0.46

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 43
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 111 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	6	4C	8082	PCB
1L/Amber	6	4C	353.2/8330	Propellants
250ml/Poly	3	NaOH	9012	Cyanide
1L/Amber	6	4C	8270	SVOC
1L/Poly	4	HNO3	6010/6020/7470	Metals
1L/Amber	6	4C	8081	Pest
1L/Amber	3	4C	8330	Explo
40ml/Vial	9	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 10 DATE: 10/14/2009 START TIME: 10:53

WELL ID: LL10mw-005

WELL DEPTH: _____ INITIAL WATER LEVEL: 17.94

WELL DIAMETER _____ SCREEN INTERVAL: 16.5 - 26.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 21.5

PUMP READINGS: Throttle: 40 Recharge: 12 Discharge: 3

COMMENTS slight tint at start Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
10:58	18.00	0.2	0.3	11.23	0.393	3.49	6.21	70.4
11:01	18.00	0.2	0.6	11.45	0.401	1.49	6.42	46.5
11:04	17.98	0.2	0.6	11.48	0.404	0.94	6.53	45.9
11:07	17.97	0.2	0.6	11.48	0.405	0.8	6.58	47.1
11:10	17.95	0.2	0.6	11.48	0.406	0.76	6.6	44.7

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: **RVAAP** LOCATION: **LOADLINE 10** PROJECT NO.: **030240.0006**

SAMPLE INFORMATION

WELL: LL10mw-005 SampleID: FWGLL10mw-005C-1453-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 11:16

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>50.2</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	
pH: <u>6.62</u>	Temperature (°C): <u>11.47</u>	DO (mg/L): <u>0.66</u>	Specific Conductivity (mS/cm): <u>0.406</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 36
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = 220 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 10

DATE: 10/14/2009

START TIME: 8:47

WELL ID: LL10mw-006

WELL DEPTH: _____

INITIAL WATER LEVEL: 15.34

WELL DIAMETER _____

SCREEN INTERVAL: 13.5 - 23.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP

PUMP INTAKE DEPTH: 18.5

PUMP READINGS: Throttle: 35

Recharge: 13

Discharge: 2

COMMENTS compressor had to be switched out tint Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
9:02	15.38	0.2	0.25	11	0.173	3.06	6	543
9:21	15.35	0.2	0.25	10.87	0.168	6.03	5.58	900
9:24	15.38	0.2	0.6	11.07	0.166	1.87	5.43	670
9:27	15.38	0.2	0.6	11.33	0.165	1.07	5.4	474
9:30	15.39	0.2	0.6	11.26	0.164	0.79	5.39	439

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 10 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL10mw-006 SampleID: FWGLL10mw-006C-1454-GW/GF DuplID: FWGLL10mw-DUP4-1476-GW/GF
 SplitID: FWGLL10mw-006C-1481S-GW/GF RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 9:41

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>376</u>	Color: <u>tint</u>
		Odor: <u>None</u>
pH: <u>5.39</u>	Temperature (°C): <u>11.32</u>	DO (mg/L): <u>0.7</u>
		Specific Conductivity (mS/cm): <u>0.165</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 35
 SHIPPED VIA: Lab PU/FedEx
 SHIPPED TO: Multiple Labs
 SAMPLER: CAL Cmt: ORP = 264 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	5	4C	353.2/8330	Propellants
1L/Poly	6	HNO3	6010/6020/7470	Metals
1L/Amber	5	4C	8330	Explo
1L/Amber	5	4C	8081	Pest
1L/Amber	5	4C	8082	PCB
40ml/Vial	9	HCl	8260	VOC
1L/Amber	6	4C	8270	SVOC
250ml/Poly	3	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 11 DATE: 10/14/2009 START TIME: 15:35

WELL ID: LL11mw-001

WELL DEPTH: _____ INITIAL WATER LEVEL: 11.75

WELL DIAMETER _____ SCREEN INTERVAL: 11.4 - 21.4

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 16.4

PUMP READINGS: Throttle: 25 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
15:43	11.78	0.2	0.2	12.3	0.46	0.06	6.28	37
15:46	11.78	0.2	0.6	12.4	0.54	0.02	6.55	28
15:49	11.78	0.2	0.6	12.5	0.59	0	6.69	28
15:52	11.78	0.2	0.6	12.4	0.6	0	6.75	29
15:55	11.78	0.2	0.6	12.3	0.62	0	6.79	25

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-001 SampleID: FWGLL11mw-001C-1455-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 16:00

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>23</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 6.8 Temperature (°C): 12.2 DO (mg/L): 0 Specific Conductivity (mS/cm): 0.62

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 48
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 21 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
1L/Poly	2	HNO3	6010/6020/7470	Metals
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8082	PCB
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest
250ml/Poly	1	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 11 DATE: 10/21/2009 START TIME: 13:52
 WELL ID: LL11mw-002
 WELL DEPTH: _____ INITIAL WATER LEVEL: 2.92
 WELL DIAMETER _____ SCREEN INTERVAL: 6.3 - 16.3
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 11.3
 PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
13:54	3.55	0.2	0.2	18.04	0.746	8.19	7.28	144
13:57	4.15	0.2	0.6	17.95	0.74	7.91	7.24	99.3
14:00	4.72	0.2	0.6	17.97	0.737	7.67	7.2	50.3

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-002 SampleID: FWGLL11mw-002C-005-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____

MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/21/2009 TIME: 14:08

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>59.7</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>7.2</u>	Temperature (°C): <u>17.92</u>	DO (mg/L): <u>7.67</u>
		Specific Conductivity (mS/cm): <u>0.737</u>

GENERAL INFORMATION

SUN/OVERCAST: Sunny PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 65
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 80

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 11

DATE: 10/14/2009

START TIME: 10:55

WELL ID: LL11mw-003

WELL DEPTH: _____

INITIAL WATER LEVEL: 2.67

WELL DIAMETER _____

SCREEN INTERVAL: 5.9 - 15.9

PUMP/PURGING DEVICE: BP - BLADDER PUMP

PUMP INTAKE DEPTH: 10.9

PUMP READINGS: Throttle: 15

Recharge: 10

Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
11:02	3.51	0.2	0.2	13.5	0.69	0.09	6.91	430
11:05	3.92	0.2	0.6	13.7	0.69	0.03	6.97	400
11:08	4.30	0.2	0.6	13.8	0.69	0	7	400

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-003 SampleID: FWGLL11mw-003C-1456-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 11:10

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>400</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>7.02</u>	Temperature (°C): <u>13.9</u>	DO (mg/L): <u>0</u>
		Specific Conductivity (mS/cm): <u>0.69</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 45
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = (-7) mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8270	SVOC
1L/Amber	1	4C	8330	Explo
40ml/Vial	3	HCl	8260	VOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
250ml/Poly	1	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 11 DATE: 10/14/2009 START TIME: 11:50

WELL ID: LL11mw-004

WELL DEPTH: _____ INITIAL WATER LEVEL: 2.34

WELL DIAMETER _____ SCREEN INTERVAL: 6.1 - 16.1

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 11.1

PUMP READINGS: Throttle: 15 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:02	3.44	0.2	0.2	13.6	0.63	0.05	7.13	54
12:05	3.85	0.2	0.6	13.7	0.64	0	7.12	58
12:08	4.17	0.2	0.6	13.8	0.63	0	7.1	43

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-004 SampleID: FWGLL11mw-004C-1457-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: Y
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 12:10

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>49</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	

pH: 7.1 Temperature (°C): 13.8 DO (mg/L): 0 Specific Conductivity (mS/cm): 0.63

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 45
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = (-14) mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	6	4C	8082	PCB
1L/Amber	3	4C	8330	Explo
1L/Amber	6	4C	8081	Pest
1L/Amber	6	4C	8270	SVOC
40ml/Vial	9	HCl	8260	VOC
1L/Poly	4	HNO3	6010/6020/7470	Metals
1L/Amber	6	4C	353.2/8330	Propellants
250ml/Poly	3	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 11 DATE: 10/14/2009 START TIME: 14:20

WELL ID: LL11mw-005

WELL DEPTH: _____ INITIAL WATER LEVEL: 10.57

WELL DIAMETER _____ SCREEN INTERVAL: 6.2 - 16.2

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 11.2

PUMP READINGS: Throttle: 15 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:27	11.44	0.1	0.2	12.4	0.12	4.06	5.83	66
14:30	11.52	0.1	0.3	12.8	0.12	3.66	5.27	46
14:33	11.55	0.1	0.3	12.9	0.12	3.78	5.13	42
14:36	11.62	0.1	0.3	13	0.12	3.7	5.06	44
14:39	11.68	0.1	0.3	13.1	0.12	3.32	5.03	39

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-005 SampleID: FWGLL11mw-005C-1458-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 14:50

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>34</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 4.97 Temperature (°C): 13.2 DO (mg/L): 3.02 Specific Conductivity (mS/cm): 0.12

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 45
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 212 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8081	Pest
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8270	SVOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 11 DATE: 10/14/2009 START TIME: 11:43
 WELL ID: LL11mw-006
 WELL DEPTH: _____ INITIAL WATER LEVEL: 6.59
 WELL DIAMETER _____ SCREEN INTERVAL: 5.6 - 15.6
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 10.6
 PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
11:47	6.86	0.2	0.2	16.13	0.666	8.23	6.86	129
11:50	6.95	0.2	0.6	16.94	0.669	7.38	6.91	104
11:53	7.06	0.2	0.6	17.41	0.67	7.1	7.14	70.9
11:56	7.12	0.2	0.6	17.71	0.677	6.94	7.17	49.1
11:59	7.19	0.2	0.6	17.73	0.673	6.79	7.17	51

Note: Condition of the well: See STATIC WATER LEVEL FORM
 Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-006 SampleID: FWGLL11mw-006C-1459-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 12:05

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>42.2</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	

pH: 7.15 Temperature (°C): 17.74 DO (mg/L): 6.79 Specific Conductivity (mS/cm): 0.673

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 38
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 125 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 11 DATE: 10/21/2009 START TIME: 14:26

WELL ID: LL11mw-007

WELL DEPTH: _____ INITIAL WATER LEVEL: 15.3

WELL DIAMETER _____ SCREEN INTERVAL: 12.4 - 22.4

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 17.4

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS RED Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:29	15.65	0.3	0.2	17.04	0.823	8.59	7.24	999
14:32	15.75	0.3	0.9	16.45	0.802	6.76	7.17	999
14:37	15.87	0.3	0.9	16.03	0.8	5.79	6.97	999
14:40	15.89	0.3	0.9	15.96	0.802	5.53	6.93	999
14:43	15.90	0.3	0.9	15.91	0.805	5.29	6.91	947

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-007 SampleID: FWGLL11mw-007C-006GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/21/2009 TIME: 14:48

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>960</u>	Color: <u>RED</u>
		Odor: <u>None</u>
pH: <u>6.9</u>	Temperature (°C): <u>15.85</u>	DO (mg/L): <u>5.26</u>
		Specific Conductivity (mS/cm): <u>0.806</u>

GENERAL INFORMATION

SUN/OVERCAST: Sunny PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 70
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP=

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: LOADLINE 11 DATE: 10/14/2009 START TIME: 12:56

WELL ID: LL11mw-008

WELL DEPTH: _____ INITIAL WATER LEVEL: 4.5

WELL DIAMETER _____ SCREEN INTERVAL: 5.6 - 15.6

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 10.6

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
13:02	5.70	0.2	0.2	16.58	0.887	7.23	6.78	27
13:05	6.00	0.2	0.6	16.74	0.89	6.83	6.87	33.6
13:08	6.15	0.2	0.6	16.91	0.891	6.55	7.01	38.8
13:11	6.24	0.2	0.6	16.92	0.892	6.45	7.09	44.6
13:14	6.39	0.2	0.6	16.98	0.892	6.4	7.12	39.4
13:17	6.50	0.2	0.6	16.98	0.894	6.35	7.12	35.5

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-008 SampleID: FWGLL11mw-008C-1460-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 13:25

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>31</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>7.11</u>	Temperature (°C): <u>16.94</u>	DO (mg/L): <u>6.3</u>
		Specific Conductivity (mS/cm): <u>0.895</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 39 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8081	Pest
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
250ml/Poly	1	NaOH	9012	Cyanide
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	353.2/8330	Propellants
1L/Poly	2	HNO3	6010/6020/7470	Metals

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 11 DATE: 10/14/2009 START TIME: 14:48
 WELL ID: LL11mw-009
 WELL DEPTH: _____ INITIAL WATER LEVEL: 4.74
 WELL DIAMETER _____ SCREEN INTERVAL: 6.7 - 16.7
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 11.7
 PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:50	5.07	0.2	0.2	15.32	0.709	7.09	6.78	64.8
14:53	5.07	0.2	0.6	15.44	0.719	6.07	6.65	84.3
14:56	5.15	0.2	0.6	15.5	0.729	5.53	6.67	121
14:59	5.18	0.2	0.6	15.66	0.74	4.93	6.7	225

Note: Condition of the well: See STATIC WATER LEVEL FORM
 Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-009 SampleID: FWGLL11mw-009C-1461-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 15:05

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>293</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 6.71 Temperature (°C): 15.69 DO (mg/L): 4.84 Specific Conductivity (mS/cm): 0.741

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 44
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 19 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8081	Pest
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: LOADLINE 11 DATE: 10/14/2009 START TIME: 8:33
 WELL ID: LL11mw-010
 WELL DEPTH: _____ INITIAL WATER LEVEL: 5.98
 WELL DIAMETER _____ SCREEN INTERVAL: 10.9 - 20.9
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 15.9
 PUMP READINGS: Throttle: 60 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
8:38	7.34	0.2	0.2	13.9	0.813	7.11	6.29	252
8:41	7.85	0.2	0.6	13.91	0.808	6.46	6.47	192
8:44	8.35	0.2	0.6	13.91	0.801	6.94	6.58	182
8:47	8.86	0.2	0.6	13.95	0.789	6.69	6.63	171
8:50	9.32	0.2	0.6	13.99	0.795	6.43	6.66	150

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: LOADLINE 11 PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: LL11mw-010 SampleID: FWGLL11mw-010C-1462-GW/GF DuplID: FWGLL11mw-DUP5-1477-GW/GF
 SplitID: _____ RinselID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 8:55

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>158</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>6.67</u>	Temperature (°C): <u>14.06</u>	DO (mg/L): <u>6.25</u>
		Specific Conductivity (mS/cm): <u>0.793</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 38
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 2 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	5	4C	353.2/8330	Propellants
1L/Amber	5	4C	8270	SVOC
40ml/Vial	9	HCl	8260	VOC
1L/Amber	5	4C	8081	Pest
1L/Amber	5	4C	8082	PCB
1L/Amber	3	4C	8330	Explo..
1L/Poly	6	HNO3	6010/6020/7470	Metals
250ml/Poly	3	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: ATLAS SCRAP DATE: 10/14/2009 START TIME: 16:10

WELL ID: ASYmw-001

WELL DEPTH: _____ INITIAL WATER LEVEL: 13.84

WELL DIAMETER _____ SCREEN INTERVAL: 11 - 21

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 16.0

PUMP READINGS: Throttle: 30 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
16:24	13.90	0.1	0.2	14.8	1.17	7.26	6.88	770
16:27	13.90	0.1	0.3	14.79	1.17	6.52	6.84	658
16:30	13.90	0.1	0.3	14.63	1.17	5.99	6.81	531

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-001 SampleID: FWGASYmw-001C-1463-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 16:25

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>504</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>6.81</u>	Temperature (°C): <u>14.64</u>	DO (mg/L): <u>5.94</u>
		Specific Conductivity (mS/cm): <u>1.17</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: N AMBIENT TEMP (°F): 44
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 45 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8330	Explo
1L/Poly	2	HNO3	6010/6020/7470	Metals
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 10:35

WELL ID: ASYmw-002

WELL DEPTH: _____ INITIAL WATER LEVEL: 16.51

WELL DIAMETER _____ SCREEN INTERVAL: 10 - 19.5

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 14.8

PUMP READINGS: Throttle: 25 Recharge: 10 Discharge: 5

COMMENTS Compressor problems on 2 units. Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
10:42	16.58	0.2	1	11.4	0.54	6.64	6.78	300
10:45	16.58	0.2	0.6	11.3	0.54	6.61	6.86	400
10:48	16.58	0.2	0.6	11.3	0.54	6.63	6.92	410
10:51	16.58	0.2	0.6	11.3	0.54	6.61	7.01	390
10:54	16.58	0.2	0.6	11.3	0.54	6.58	7.08	370
10:57	16.58	0.2	0.6	11.2	0.54	6.6	7.1	350

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-002 SampleID: FWGASYmw-002C-1464-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 11:02

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>340</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 7.11 Temperature (°C): 11.3 DO (mg/L): 6.54 Specific Conductivity (mS/cm): 0.54

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: N AMBIENT TEMP (°F): 42
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = 218 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8081	Pest
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8270	SVOC
1L/Poly	2	HNO3	6010/6020/7470	Metals

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 8:37

WELL ID: ASYmw-003

WELL DEPTH: _____ INITIAL WATER LEVEL: 14.71

WELL DIAMETER _____ SCREEN INTERVAL: 11 - 21

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 16.0

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
8:42	14.85	0.2	0.2	14.29	1.55	7.55	6.57	999
8:45	14.85	0.2	0.6	14.3	1.6	6.56	6.63	999
8:48	14.84	0.2	0.6	14.07	1.62	6.03	6.67	999

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-003 SampleID: FWGASYmw-003C-1465-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 8:55

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>999</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	

pH: 6.68 Temperature (°C): 14.03 DO (mg/L): 5.83 Specific Conductivity (mS/cm): 1.62

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: N AMBIENT TEMP (°F): 39
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 25 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
250ml/Poly	1	NaOH	9012	Cyanide
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 9:30
 WELL ID: ASYmw-004
 WELL DEPTH: _____ INITIAL WATER LEVEL: 11.8
 WELL DIAMETER _____ SCREEN INTERVAL: 17 - 27
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 22.0
 PUMP READINGS: Throttle: 20 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
9:44	13.75	0.2	0.2	11.98	1.47	4.81	6.04	29.5
9:47	14.18	0.2	0.6	12	1.48	4.79	6.11	25.9
9:50	14.73	0.2	0.6	11.94	1.48	4.57	6.15	24.3
9:53	15.25	0.2	0.6	11.8	1.48	4.29	6.16	24.7

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: PH

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-004 SampleID: FWGASYmw-004C-1466-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: Y
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 10:00

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>27.6</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	

pH: 6.17 Temperature (°C): 11.83 DO (mg/L): 4.05 Specific Conductivity (mS/cm): 1.47

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: NW AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: PH Cmt: ORP = (-7) mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	3	4C	8330	Explo
250ml/Poly	3	NaOH	9012	Cyanide
1L/Amber	6	4C	8081	Pest
1L/Poly	4	HNO3	6010/6020/7470	Metals
1L/Amber	6	4C	353.2/8330	Propellants
1L/Amber	6	4C	8082	PCB
1L/Amber	6	4C	8270	SVOC
40ml/Vial	9	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 12:15
WELL ID: ASYmw-005
WELL DEPTH: _____ INITIAL WATER LEVEL: 10.52
WELL DIAMETER _____ SCREEN INTERVAL: 14 - 24
PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 19.0
PUMP READINGS: Throttle: 20 Recharge: 10 Discharge: 5
COMMENTS CLOUDY Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:33	11.41	0.2	0.2	12.33	1.14	2.83	6.41	320
12:36	12.03	0.2	0.6	12.45	1.14	4.06	6.46	265
12:39	12.71	0.2	0.6	12.47	1.14	5.85	6.49	219

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: PH

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-005 SampleID: FWGASYmw-005C-1467-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 12:50

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>188</u>	Color: <u>CLOUDY</u>
		Odor: <u>None</u>
pH: <u>6.53</u>	Temperature (°C): <u>12.6</u>	DO (mg/L): <u>6.61</u>
		Specific Conductivity (mS/cm): <u>1.14</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: NW AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: PH Cmt: ORP = (-10) mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8081	Pest
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8270	SVOC
1L/Amber	1	4C	8330	Explo
250ml/Poly	1	NaOH	9012	Cyanide
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	353.2/8330	Propellants

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 13:40

WELL ID: ASYmw-006

WELL DEPTH: _____ INITIAL WATER LEVEL: 15.85

WELL DIAMETER _____ SCREEN INTERVAL: 16 - 26

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 21.0

PUMP READINGS: Throttle: 20 Recharge: 10 Discharge: 5

COMMENTS CLOUDY Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
13:46	16.30	0.2	0.2	10.87	1.19	3.32	6.35	999
13:49	16.49	0.2	0.6	10.79	1.19	3.57	6.34	999
13:52	16.64	0.2	0.6	10.71	1.19	3.96	6.35	999

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: PH

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-006 SampleID: FWGASYmw-006C-1468-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 14:00

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>999</u>	Color: <u>CLOUDY</u>
		Odor: <u>None</u>
pH: <u>6.35</u>	Temperature (°C): <u>11</u>	DO (mg/L): <u>4.23</u>
		Specific Conductivity (mS/cm): <u>1.18</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: NW AMBIENT TEMP (°F): 44
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: PH Cmt: ORP = (-6) mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8270	SVOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 10:52

WELL ID: ASYmw-007

WELL DEPTH: _____ INITIAL WATER LEVEL: 15.97

WELL DIAMETER _____ SCREEN INTERVAL: 16 - 26

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 21.0

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
10:57	17.00	0.3	0.2	13.52	1.06	6.78	6.83	143
11:00	17.22	0.3	0.9	13.6	1.08	6.28	6.78	189
11:03	17.47	0.3	0.9	13.66	1.08	5.8	6.77	184

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-007 SampleID: FWGASYmw-007C-1469-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 11:05

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>198</u>	Color: _____
		Odor: <u>None</u>

pH: 6.78 Temperature (°C): 13.66 DO (mg/L): 5.71 Specific Conductivity (mS/cm): 1.08

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: N AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= 94 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	353.2/8330	Propellants
250ml/Poly	1	NaOH	9012	Cyanide
40ml/Vial	3	HCl	8260	VOC

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 12:19

WELL ID: ASYmw-008

WELL DEPTH: _____ INITIAL WATER LEVEL: 6.21

WELL DIAMETER _____ SCREEN INTERVAL: 15 - 25

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 20.0

PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5

COMMENTS CLOUDY Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:30	7.11	0.2	0.2	14.65	1.63	6.54	6.87	999
12:33	7.69	0.2	0.6	14.57	1.64	5.97	6.89	999
12:36	8.18	0.2	0.6	14.66	1.63	5.65	6.92	999

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-008 SampleID: FWGASYmw-008C-1470-GW/GF DuplID: FWGASYMWDUP6-1483-GW/GF
 SplitID: FWGASYmw-008C-1484s-GW/GF RinselD: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 12:45

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>999</u>	Color: <u>CLOUDY</u>
		Odor: <u>None</u>

pH: 6.92 Temperature (°C): 14.61 DO (mg/L): 5.59 Specific Conductivity (mS/cm): 1.64

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: N AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= -34 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	3	4C	8330	Explo
1L/Amber	5	4C	8270	SVOC
250ml/Poly	3	NaOH	9012	Cyanide
40ml/Vial	9	HCl	8260	VOC
1L/Poly	6	HNO3	6010/6020/7470	Metals
1L/Amber	5	4C	353.2/8330	Propellants
1L/Amber	5	4C	8082	PCB
1L/Amber	5	4C	8081	Pest

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006
 LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 9:48
 WELL ID: ASYmw-009
 WELL DEPTH: _____ INITIAL WATER LEVEL: 14.47
 WELL DIAMETER _____ SCREEN INTERVAL: 11.5 - 21.5
 PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 16.5
 PUMP READINGS: Throttle: 50 Recharge: 10 Discharge: 5
 COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
9:51	14.59	0.2	0.2	13.54	1.34	7.13	6.85	452
9:54	14.59	0.2	0.6	13.85	1.35	6.21	6.8	456
9:57	14.59	0.2	0.6	14.11	1.36	5.53	6.81	320

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: AD

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-009 SampleID: FWGASYmw-009C-1471-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 10:05

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>303</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 6.81 Temperature (°C): 14.15 DO (mg/L): 5.47 Specific Conductivity (mS/cm): 1.35

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: N AMBIENT TEMP (°F): 39
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: AD Cmt: ORP= -57 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8082	PCB
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	353.2/8330	Propellants
1L/Poly	2	HNO3	6010/6020/7470	Metals
40ml/Vial	3	HCl	8260	VOC
250ml/Poly	1	NaOH	9012	Cyanide

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: ATLAS SCRAP DATE: 10/15/2009 START TIME: 12:40

WELL ID: ASYmw-010

WELL DEPTH: _____ INITIAL WATER LEVEL: 13.74

WELL DIAMETER _____ SCREEN INTERVAL: 17 - 27

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 22.0

PUMP READINGS: Throttle: 35 Recharge: 10 Discharge: 5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:43	13.82	0.2	0.5	11.3	1.2	0	7.05	640
12:45	13.82	0.2	0.4	11.4	1.3	0	7.07	650
12:48	13.83	0.2	0.6	11.3	1.3	0	7.09	630

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: EC

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: ATLAS SCRAP PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: ASYmw-010 SampleID: FWGASYmw-010C-1472-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/15/2009 TIME: 12:58

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>620</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 0.09 Temperature (°C): 11.2 DO (mg/L): 0 Specific Conductivity (mS/cm): 1.3

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: Y WIND DIRECTION: N AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: EC Cmt: ORP = -75 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8082	PCB
1L/Amber	2	4C	8270	SVOC
1L/Amber	2	4C	8081	Pest
40ml/Vial	3	HCl	8260	VOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	353.2/8330	Propellants

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

LOCATION: DEMO.AREA 2

DATE: 10/14/2009

START TIME: 12:11

WELL ID: DET-003

WELL DEPTH: _____

INITIAL WATER LEVEL: 9.88

WELL DIAMETER _____

SCREEN INTERVAL: 7 - 12

PUMP/PURGING DEVICE: BP - BLADDER PUMP

PUMP INTAKE DEPTH: 9.5

PUMP READINGS: Throttle: 35

Recharge: 13

Discharge: 2

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
12:16	9.90	0.1	0.2	11.9	0.673	4.79	6.99	234
12:19	9.90	0.1	0.3	12.33	0.67	3.87	7.08	194
12:22	9.90	0.1	0.3	12.47	0.67	3.58	7.11	155
12:25	9.89	0.1	0.3	12.47	0.67	3.48	7.13	113

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: DEMO.AREA PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: DET-003 SampleID: FWGDEtmw-003C-1487-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 12:36

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>111</u>	Color: <u>Clear</u>
		Odor: <u>None</u>

pH: 7.13 Temperature (°C): 12.5 DO (mg/L): 3.45 Specific Conductivity (mS/cm): 0.67

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 36
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = -1.0 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8270	SVOC
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	353.2/8330	Propellants
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	8330	Explo
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP

PROJECT NUMBER: 030240.0006

LOCATION: DEMO.AREA 2

DATE: 10/14/2009

START TIME: 8:33

WELL ID: DET-004

WELL DEPTH: _____

INITIAL WATER LEVEL: 11.15

WELL DIAMETER _____

SCREEN INTERVAL: 6 - 11

PUMP/PURGING DEVICE: B - BAILER

PUMP INTAKE DEPTH: 8.5

PUMP READINGS: Throttle: 0 Recharge: 0 Discharge: 0

COMMENTS DRY AT 1.75 LITERS cloudy tan Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
8:36	13.51	1	1.5	13.12	0.9	4.96	5.65	4.7

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: DEMO.AREA PROJECT NO.: 030240.0006

SAMPLE INFORMATION			
WELL: <u>DET-004</u>	SampleID: <u>FWGDETMw-004C-1488-GW/GF</u>	DuplID: _____	
	SplitID: _____	RinseID: _____	
MATRIX: <u>WG - Ground Water</u>	SAMPLING METHOD: <u>B - Bailer</u>	MS/MSD: <u>N</u>	
GRAB: <u>Y</u>	COMPOSITE: <u>N</u>	DATE: <u>10/14/2009</u>	TIME: <u>12:06</u>

FIELD READINGS / OBSERVATIONS			
	Turb (NTU): <u>25</u>	Color: <u>cloudy tan</u>	
		Odor: <u>None</u>	
pH: <u>5.67</u>	Temperature (°C): <u>12.89</u>	DO (mg/L): <u>8.34</u>	Specific Conductivity (mS/cm): <u>0.99</u>

GENERAL INFORMATION			
SUN/OVERCAST: <u>Overcast</u>	PERCIPITATION: <u>N</u>	WIND DIRECTION: <u>NW</u>	AMBIENT TEMP (°F): <u>36</u>
SHIPPED VIA: <u>Lab Pickup</u>			
SHIPPED TO: <u>Testamerica</u>			
SAMPLER: <u>CAL</u> Cmt: <u>ORP = -4 mv, partial vols collected until dry then rtn'd 1345, 1520</u>			

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	1	4C	8081	Pest
1L/Amber	1	4C	8270	SVOC
1L/Amber	1	4C	8330	Explo
1L/Amber	1	4C	8082	PCB
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
40ml/Vial	3	HCl	8260	VOC
1L/Amber	1	4C	353.2/8330	Propellants

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: RAMSDELL QU DATE: 10/14/2009 START TIME: 14:19

WELL ID: RQLmw-007

WELL DEPTH: _____ INITIAL WATER LEVEL: 10.93

WELL DIAMETER _____ SCREEN INTERVAL: 6 - 16

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 11.0

PUMP READINGS: Throttle: 35 Recharge: 13 Discharge: 2

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
14:20	11.04	0.2	0.25	14.14	1.33	1.64	6.5	43.5
14:23	11.04	0.2	0.6	14.18	1.33	1	6.47	48.9
14:26	11.05	0.2	0.6	14.2	1.32	0.84	6.46	21.2

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: RAMSDELL Q PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: RQLmw-007 SampleID: FWGRQLmw-007C-1485-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 14:36

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>17.3</u>	Color: <u>Clear</u>	
		Odor: <u>None</u>	
pH: <u>6.46</u>	Temperature (°C): <u>14.26</u>	DO (mg/L): <u>0.76</u>	Specific Conductivity (mS/cm): <u>0.132</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = -16 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	353.2/8330	Propellants
250ml/Poly	1	NaOH	9012	Cyanide
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8082	PCB

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: RAMSDELL QU DATE: 10/14/2009 START TIME: 15:04

WELL ID: RQLmw-008

WELL DEPTH: _____ INITIAL WATER LEVEL: 10.56

WELL DIAMETER _____ SCREEN INTERVAL: 6 - 16

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 11.0

PUMP READINGS: Throttle: 30 Recharge: 12.5 Discharge: 2.5

COMMENTS Clear Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
15:11	10.60	0.225	0.25	13.04	0.817	2.92	6.1	47.8
15:14	10.65	0.225	0.675	13.04	0.801	1.68	6.09	22.2
15:17	10.67	0.225	0.675	13.1	0.795	1.75	6.12	31

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: RAMSDLELL Q PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: RQLmw-008 SampleID: FWGRQLmw-008C-1486-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 15:26

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>31.9</u>	Color: <u>Clear</u>
		Odor: <u>None</u>
pH: <u>6.13</u>	Temperature (°C): <u>13.13</u>	DO (mg/L): <u>1.97</u>
		Specific Conductivity (mS/cm): <u>0.792</u>

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 40
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = 32 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	8082	PCB
1L/Poly	2	HNO3	6010/6020/7470	Metals
250ml/Poly	1	NaOH	9012	Cyanide
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	353.2/8330	Propellants

MONITOR WELL PURGING FORM

PROJECT NAME: RVAAP PROJECT NUMBER: 030240.0006

LOCATION: RAMSDELL QU DATE: 10/14/2009 START TIME: 16:00

WELL ID: RQLmw-009

WELL DEPTH: _____ INITIAL WATER LEVEL: 9.78

WELL DIAMETER _____ SCREEN INTERVAL: 5.9 - 15.9

PUMP/PURGING DEVICE: BP - BLADDER PUMP PUMP INTAKE DEPTH: 10.9

PUMP READINGS: Throttle: 15 Recharge: 12 Discharge: 3

COMMENTS opaque orange orange Odor:None

TIME	WATER LEVEL (btoc)	PURGE RATE L/min	VOLUME PURGED (L)	TEMP. (°C)	SPECIFIC CONDUCT. (mS/cm)	DO (mg/L)	pH	Turb (NTU)
16:03	10.08	0.2	0.35	13.93	0.298	1.49	6.28	999
16:06	10.08	0.2	0.6	13.97	0.293	0.9	6.17	999
16:09	10.08	0.2	0.6	13.95	0.288	0.69	6.11	526
16:12	10.08	0.2	0.6	13.99	0.287	0.69	6.09	503

Note: Condition of the well: See STATIC WATER LEVEL FORM

Field Personnel: CAL

FIELD SAMPLING REPORT

PROJECT: RVAAP LOCATION: RAMSDELL Q PROJECT NO.: 030240.0006

SAMPLE INFORMATION

WELL: RQLmw-009 SampleID: FWGRQLmw-009C-1487-GW/GF DuplID: _____
 SplitID: _____ RinseID: _____
 MATRIX: WG - Ground Water SAMPLING METHOD: BP - Bladder Pump MS/MSD: N
 GRAB: Y COMPOSITE: N DATE: 10/14/2009 TIME: 16:21

FIELD READINGS / OBSERVATIONS

	Turb (NTU): <u>325</u>	Color: <u>orange</u>
		Odor: <u>None</u>

pH: 6.07 Temperature (°C): 14.01 DO (mg/L): 0.7 Specific Conductivity (mS/cm): 0.287

GENERAL INFORMATION

SUN/OVERCAST: Overcast PERCIPITATION: N WIND DIRECTION: NW AMBIENT TEMP (°F): 41
 SHIPPED VIA: Lab Pickup
 SHIPPED TO: Testamerica
 SAMPLER: CAL Cmt: ORP = 67 mv

CONTAINER		PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
SIZE/TYPE	NUMBER			
1L/Amber	2	4C	8082	PCB
1L/Poly	2	HNO3	6010/6020/7470	Metals
1L/Amber	1	4C	8330	Explo
1L/Amber	2	4C	8081	Pest
1L/Amber	2	4C	8270	SVOC
40ml/Vial	3	HCl	8260	VOC
1L/Amber	2	4C	353.2/8330	Propellants
250ml/Poly	1	NaOH	9012	Cyanide

Daily QC Records

Date: 12-Oct

	X					
S	M	T	W	T	F	S

DAILY QUALITY CONTROL REPORT

COE Project Manager Glen Beckham

Project Ravenna Army Ammunition Plant Groundwater Monitoring

Job No. 30240

Contract No. W912QR-04-D-0036

Weather	Bright Sun	Clear	Over-Cast	Rain	Snow
			X		
Temp	To 32	32-50	50-70	70-85	85 up
		X	X		
Wind	Still	Moder	High	Report No.	
		X			
Humidity	Dry	Moder	Humid	101209	
		X			

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc.

EQUIPMENT ON SITE:

Three water quality meters (Horiba-U22's); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: LL6mw-005, LL6mw-006, LL6mw-007, LL7mw-001, LL7mw-002, LL7mw-003, LL7mw-004, LL7mw-005, and LL7mw-006. A field duplicate and QA split sample was collected from LL7mw-006. Extra volume was collected from LL7mw-003 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #1.

Project Ravenna Army Ammunition Plant Groundwater Monitoring Report No. 101209

Job No. 30240 Date: 10/12/2009

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All personnel to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and personnel were made aware of the location of eyewash stations. Each team was equipped with a cellular phone. Personnel were instructed to dress appropriately for the prevailing weather conditions. Personnel were also instructed to be alert for storms, stinging insect, ticks, and roaming deer.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

NA

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

Expectations for tomorrow are to safely and correctly collect samples from a minimum of 10 wells.

Date: 13-Oct

		X				
S	M	T	W	T	F	S

DAILY QUALITY CONTROL REPORT

COE Project Manager Glen BeckhamProject Ravenna Army Ammunition Plant Groundwater MonitoringJob No. 30240Contract No. W912QR-04-D-0036

Weather	Bright Sun	Clear	Over-Cast	Rain	Snow
			X		
Temp	To 32	32-50	50-70	70-85	85 up
		X	X		
Wind	Still	Moder	High	Report No.	
		X			
Humidity	Dry	Moder	Humid	101309	
	X				

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc.

EQUIPMENT ON SITE:

Three water quality meters (Horiba-U22's); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: LL10mw-001, LL10mw-002, LL10mw-003, LL8mw-001, LL8mw-002, LL8mw-003, LL8mw-004, LL8mw-005, LL8mw-006, LL9mw-001, LL9mw-002, LL9mw-003, LL9mw-004, LL9mw-005, LL9mw-006, and LL9mw-007. Field duplicate and QA split samples were collected from LL8mw-005 and LL9mw-004. Extra volume was collected from LL8mw-002 and LL9mw-003 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #3.

Project Ravenna Army Ammunition Plant Groundwater Monitoring Report No. 101309

Job No. 30240 Date: 10/13/2009

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All personnel to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and personnel were made aware of the location of eyewash stations. Each team was equipped with a cellular phone. Personnel were instructed to dress appropriately for the prevailing weather conditions. Personnel were also instructed to be alert for storms, stinging insect, ticks, and roaming deer.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

NA

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

Expectations for tomorrow are to safely and correctly collect samples from a minimum of 10 wells.

Date: 14-Oct

			X			
S	M	T	W	T	F	S

DAILY QUALITY CONTROL REPORT

COE Project Manager Glen Beckham

Project Ravenna Army Ammunition Plant Groundwater Monitoring

Job No. 30240

Contract No. W912QR-04-D-0036

Weather	Bright Sun	Clear	Over-Cast X	Rain	Snow
Temp	To 32	32-50 X	50-70	70-85	85 up
Wind	Still	Moder	High X	Report No. 101409	
Humidity	Dry	Moder X	Humid X		

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc.

EQUIPMENT ON SITE:

Three water quality meters (Horiba-U22's); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: DET-003, DET-004, ASYmw-001, RQLmw-007, RQLmw-008, RQLmw-009, LL10mw-004, LL10mw-005, LL10mw-006, LL11mw-001, LL11mw-003, LL11mw-004, LL11mw-005, LL11mw-006, LL11mw-008, LL11mw-009, and LL11mw-010. Field duplicate and QA split samples were collected from LL10mw-006 and LL11mw-010. Extra volume was collected from LL10mw-004 and LL11mw-004 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #1.

Project Ravenna Army Ammunition Plant Groundwater Monitoring Report No. 101409

Job No. 30240 Date: 10/14/2009

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All personnel to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and personnel were made aware of the location of eyewash stations. Each team was equipped with a cellular phone. Personnel were instructed to dress appropriately for the prevailing weather conditions. Personnel were also instructed to be alert for storms, stinging insect, ticks, and roaming deer.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

An attempt was made to sample DET-004. Based on the amount of water in this well it could not be purged with bladder pumps. This well was bailed to obtain volume for field measurements, and remaining volume in the well was collected via bailer to be shipped for analyses. Insufficient volume could be collected at this well, prior to well going dry, to provide lab with enough sample volume for all analyses. Teams will return tomorrow to collect additional sample volume for analyses.

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

Expectations for tomorrow are to safely and correctly collect samples from remaining wells for the October 2009 quarterly sampling event, and initiate facility-wide metals only sample collection.

Date: 15-Oct

			X		
S	M	T	W	T	F

DAILY QUALITY CONTROL REPORT

COE Project Manager Glen Beckham

Project Ravenna Army Ammunition Plant Groundwater Monitoring

Job No. 30240

Contract No. W912QR-04-D-0036

Weather	Bright Sun	Clear	Over-Cast X	Rain X	Snow
Temp	To 32 X	32-50 X	50-70	70-85	85 up
Wind	Still X	Moder	High	Report No.	
Humidity	Dry	Moder	Humid X	101509	

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc.

EQUIPMENT ON SITE:

Three water quality meters (Horiba-U22's); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: ASYmw-002, ASYmw-003, ASYmw-004, ASYmw-005, ASYmw-006, ASYmw-007, ASYmw-008, ASYmw-009, and ASYmw-010. A Field duplicate and QA split sample was collected from ASYmw-008. Extra volume was collected from ASYmw-004 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #1. Upon conclusion of quarterly sampling efforts, the following locations were sampled for total and filtered metals only: LL12mw-187, LL12mw-189, LL12mw-186, LL12mw-242, and LL12mw-188.

Project Ravenna Army Ammunition Plant Groundwater Monitoring Report No. 101509

Job No. 30240 Date: 10/15/2009

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All personnel to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and personnel were made aware of the location of eyewash stations. Each team was equipped with a cellular phone. Personnel were instructed to dress appropriately for the prevailing weather conditions. Personnel were also instructed to be alert for storms, stinging insect, ticks, and roaming deer.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

Return trips made throughout the day back to DET-004 to collect additional volume for analysis. All required volumes were collected for transport to the laboratory.

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

Expectations for tomorrow are to safely and correctly collect samples from a minimum of 20 wells for metals (total and filtered) analyses only.