

APPENDIX H

DAILY QUALITY CONTROL REPORTS

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

DAILY QUALITY CONTROL REPORT

DATE 7 September, 1998

DAY

S	M	T	W	TH	F	S
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COE PROJECT MANAGER John Jent
 PROJECT RVAAP RGL GW INV.
 JOB NO. DO* 003
 CONTRACT NO. DACA27-97-D-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32°	22-30°	30-70°	70-85° 85° up	
WIND	Still	Moder.	High	Report No.	
HUMIDITY	Dry	Moder.	Humid		

SUB-CONTRACTORS ON SITE: Joe Wilson - SAIC

EQUIPMENT ON SITE: work truck, laptop computer, water level indicator

WORK PERFORMED (INCLUDING SAMPLING):

1300 - Arrive @ RVAAP G. to RGL to take water levels and download pressure transducers.

1500 - Leave RVAAP. All went well. see other logbook for details.

GW
1/1/76

PROJECT RVAAP RRL GW Inv.

REPORT NO. 1

JOB NO. 003

DATE: 9/7/98

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

NA

NA
9/7/98

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

D+ ~~gloves~~ work boots, nitrile gloves when using w.l. indicator

NA
9/2/98

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

NA

NA
9/7/98

SPECIAL NOTES:

NA

NA
9/7/98

TOMORROW'S EXPECTATIONS:

NA

NA
9/7/98

By: [Signature] 9/7/98
(Signature and date)

QA Check by: [Signature] 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 18 September, 1998

DAY

S	M	T	W	TH	F	S
					X	

COE PROJECT MANAGER John Jent
 PROJECT RVAAP RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA27-97-D-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	X				
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
				X	
WIND	Still	Moder.	High	Report No.	
	X			2	
HUMIDITY	Dry	Moder.	Humid		
	X				

SUB-CONTRACTORS ON SITE: Joe Wilson & Heather Smith

EQUIPMENT ON SITE:

2 Work vehicles, laptop computer, micropurge sampling equipment and supplies.

WORK PERFORMED (INCLUDING SAMPLING):

1125 - J. Wilson arrives on site. Goes to see M. Patterson. Mark not in so Joe tells Vicki the planned schedule. Picks up delivered supplies. Lab supplies not here yet.

1210 - H. Smith on site. Both of us go to storage unit to get supplies.

1425 - Finally get a hold of Becky Straight @ Quanterra. She says bottles will arrive around 3 pm.

1501 - Return to RVAAP. Bottles here. After count realize that we are 9 poly 1-L bottles short. Phone B. Straight @ Quanterra. She will overnight airhome express us bottles we need. She says she never received an official bottle order.

1525 - begin organizing a space in Bldg 1306 which IT Corp. personnel says will be out of their way.

1700 - To RQL, see logbook #8 for details. Set 2 pumps and get full round of water levels

1800 - Both of us off site.

JW
9/18/98

PROJECT RVAAP RQL GW Investigation
JOB NO. 003

REPORT NO. 2
DATE: 18 September, 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

^{9/21} NA ~~9/21~~ Calibrate Mini-Rae PID for well B2. screenings

^{9/21}
9/21/98

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D⁺

^{9/21}
9/21/98

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

Bottle shipment from lab short 9 poly-L bottles. Called B. Stanght @ Quatern, she will ship these to us for Saturday delivery.

^{9/21}
9/21/98

SPECIAL NOTES:

NA

^{9/21}
9/21/98

TOMORROW'S EXPECTATIONS:

SAMPLE MW-09 w/ MS/MSD, MW-08, MW-10 and hopefully MW-11.

By: *Joseph J. Walsh* 9/18/98
(Signature and date)

QA Check by: *Joseph J. Walsh* 9/18/98 cc: K. H. H. 8-31-98
(Signature and date)

DATE 19 SEPTEMBER, 1998

DAY	S	M	T	W	TH	F	S
							X

DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER John Jent
 PROJECT RVAAP RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA27-97-D-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
		X			
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
				X	
WIND	Still	Moder.	High	Report no.	
		X		3	
HUMIDITY	Dry	Moder.	Humid		
		X			

SUB-CONTRACTORS ON SITE:

Joe Wilson, Heather Smith

EQUIPMENT ON SITE:

Work vehicle, computer, low flow sampling equipment

WORK PERFORMED (INCLUDING SAMPLING):

- 0000 - Arrive @ RVAAP. Hold HES Tailgate. Go to RQL
 see logbook #8 for details. Performed the following work:
- download W.L. data for RQLmw-007, -008, -009, -010 and -011
 - Sample wells RQLmw-008, -009, -010, and -011.
 - reset transducers in above excluding RQLmw-007.
 - decon in between each well

2000 - leave RVAAP.

9/19/98

PROJECT: RVAPP RQL GW Investigation
JOB NO. 003

REPORT NO. 3
DATE: 19 September, 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibration of MiniRAE PID, Hoiba U-tube and Well Wizard Flow Cell

su
9/19/98

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D⁺, Tailgate Meeting

su
9/19/98

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

NONE

su
9/19/98

SPECIAL NOTES:

NA

su
9/19/98

TOMORROW'S EXPECTATIONS:

Sample RQLmv-007 w/ QC & QA, RQLmv-006, pond surface water, cement around sonotubes, restart transducers, decom

By: [Signature] 9/19/98
(Signature and date)

QA Check by: [Signature] 9-31-98
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 20 SEPTEMBER, 1998

DAY

S	M	T	W	TH	F	S
X						

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	X				
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
				X	
WIND	Still	Moder.	High	Report No.	
		X		4	
HUMIDITY	Dry	Moder.	Humid		
		X			

COE PROJECT MANAGER John Jent
 PROJECT RVAAP RQL GW INVESTIGATION
 JOB NO. 003
 CONTRACT NO. DAZ7-97-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilson, Heather Smith

EQUIPMENT ON SITE:

2 work vehicles, computer, QED low flow sampling equipment and associated supplies

WORK PERFORMED (INCLUDING SAMPLING):

0800 - Arrive @ RVAAP. Hold H&S tailgate, calibrate instruments and load equipment. Go to RQL to complete dry season sampling. Sample RQLmw-007 w/ QC duplicate and QA split. Sample RQLmw-240006. Sample surface water from RQLmw-015. This was the only surface water location that had water. Put sacker over sonatubes. Reset pressure transducers to begin reading water levels @ 2000 hrs today. Ship Package samples for shipment to Quantara Labs (COC#L023) and to MRD-split, QA lab (COC#L024).

1000 - leave RVAAP take supplies to warehouse.

John Jent

PROJECT RVAAP RQL GW INVESTIGATION
JOB NO. 003

REPORT NO. 4
DATE: 20 SEPTEMBER, 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibrate QED flow cell, MiniRAE PID AND Horiba U-10.
Collect GW QC SAMPLE RQ0074
Collect GW QA SAMPLE RQ0077

~~9/20/98~~

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

D+ H&S TAGGATE

~~9/20/98~~

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

NONE

~~9/20/98~~

SPECIAL NOTES:

NA

~~9/20/98~~

TOMORROW'S EXPECTATIONS:

Ship samples. Leave RVAAP.

By: Joseph J. White 9/20/98
(Signature and date)

QA Check by: W. H. Hall 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 10/19/98
 DAY

S	<input checked="" type="checkbox"/>	T	W	TH	F	S
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COE PROJECT MANAGER John Junt
 PROJECT RQL GW Investigation
 JOB NO. DACA27-97-D-00025
 CONTRACT NO. 003

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32'	32-30'	30-70'	70-85' 85' up	
WIND	Still	Moder.	High	Report No.	
HUMIDITY	Dry	Moder.	Humid	5	

SUB-CONTRACTORS ON SITE:
Joe Wilson, Matt Root

EQUIPMENT ON SITE:
Work truck, sampling equipment, laptop computer

WORK PERFORMED (INCLUDING SAMPLING):
0700 - Arrive @ RQAAP. Give initial priority H&S briefing and morning tailgate to M. Root. Get full round of water levels.
0800 - Download pressure transducer data from RQLmw-006, 010, and 011. Set bladder pumps in RQLmw-010 and 011.
1120 - Arrive @ RQL. After meeting FedEx @ 1000 hrs to get and calibrate equipment. Begin sampling.
1205 - Collect sample # RQ0100 from RQLmw-010.
1345 - Collect sample # RQ0101 from RQLmw-011.
1520 - Collect sample # RQ0106 from RQLmw-006.
1700 - Collect sample # RQ0102 from RQLmw-015.
1850 - All samples on field case # F010 w/ trip blank # RQ0108.
1800 - off-site. End of day.

no data

PROJECT RQL GW Investigation
JOB NO. 003

REPORT NO. 5
DATE: 10/19/98

10

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):
 Calibrate Hach U-10⁶ Micro purge flow cell (see M&TE Logbook)
 10/19/98

HEALTH AND SAFETY LEVELS AND ACTIVITIES:
 Pre-activity briefing for MATT Root, Daily tailgate
 10/19/98

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:
 None
 10/19/98

SPECIAL NOTES:
 None
 10/19/98

TOMORROW'S EXPECTATIONS:
 Sample RQL runs - 007, -008, & 009. May collect equipment runwater if time permits. Park samples.

By: [Signature] 10/19/98
(Signature and date)

QA Check by: [Signature] 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 20 October, 1998

DAY

S	M	T	W	TH	F	S
		X				

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	X				
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Still	Moder.	High	Report No.	
		X			
HUMIDITY	Dry	Moder.	Humid	6	
	X				

COE PROJECT MANAGER John Tent
 PROJECT RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilson, Matt Root

EQUIPMENT ON SITE:

Work truck, sampling equipment, laptop computer

WORK PERFORMED (INCLUDING SAMPLING):

0730 - Arrive @ RVAAP. Hold H&S Tailgate. Load supplies and head to RQL. Get full round of water levels. - 20

0830 - Begin work @ RQL. Collect groundwater samples #'s:

- RQ00097 from RQLmw-0007

- RQ00098 from RQLmw-0008

- RQ00099 from RQLmw-0009 w/ MS/MSD Volume

All samples, along w/ those of yesterday on field COE # F010. Trip blank # RQ00006. Secured and on ice in my custody. Lab will pick up on Wednesday around 12 noon.

1700 - OFF-site. Will stop and get more ice and will pack some coolers this evening for shipment.

gw
10/20/98

PROJECT RGL GW Investigation
JOB N 003

REPORT NO. 6
DATE: 20 OCTOBER, 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibrated Horiba U-100 and flow cell (see M&TE Logbook)

2
10/20/98

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

H&S Tailgate

1
10/20/98

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

None

2
10/20/98

SPECIAL NOTES:

None

2
10/20/98

TOMORROW'S EXPECTATIONS:

ship samples, take supplies off-site to warehouse, re-start transducers and get full round of water levels.

2
10/20/98

By: [Signature] 10/20/98
(Signature and date)

QA Check by: [Signature] 8-31-99
(Signature and date)

DATE 21 October, 1998

DAY	S	M	T	W	TH	F	S
				X			

DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER John Tent
 PROJECT RQL GW INVESTIGATION
 JOB NO. DD # 003
 CONTRACT NO. DACA97-27-D-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
		X			
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Still	Moder.	High	Report No.	
		X		7	
HUMIDITY	Dry	Moder.	Humid		
		X			

SUB-CONTRACTORS ON SITE:

Joe Wilson, Matthew Root

EQUIPMENT ON SITE:

Work Truck, Laptop computer

WORK PERFORMED (INCLUDING SAMPLING):

0700 - Arrive @ RVAAP. Pick samples with fresh ice. Have 7 coolers w/ samples ready for lab courier.

0820 - OFF-SITE to take equipment to warehouse

0930 - Return to RVAAP. Go to RQL to restart data loggers.

1025 - Unable to communicate with 3 of trolls. Now have 4 data loggers set to start recording at noon today and 3 that won't respond. Consult R. Dominic.

1100 - Will see if cables are problem by switching cables among 1 good and 1 non-responding transducer.

1205 - determine that RS232 cable from laptop to the top of well is the problem. Leave RQL.

1310 - break for lunch

1355 - return from lunch.

1410 - Order replacement part. OFF-site to return to Middletown. Will come back monday a.m. w/ replacement part. Samples picked up by lab.

Joe
10/21/98

PROJECT RQL GW INVESTIGATION
JOB NO. 003

REPORT NO. 7
DATE: 21 October, 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

NONE

~~JW
10/21/98~~

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

D+

~~JW
10/21/98~~

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

RS232 cable failure. Ordered replacement part. Will return Monday 26 October, to restart 3 of the 7 transducers.

~~JW
10/21/98~~

SPECIAL NOTES:

NONE

~~JW
10/21/98~~

TOMORROW'S EXPECTATIONS:

NA

~~JW
10/21/98~~

By: [Signature] 10/21/98
(Signature and date)

QA Check by: [Signature] 8-31-99
(Signature and date)

DATE 26 October 1998

DAY	S	M	T	W	TH	F	S
		X					

DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER John Jent
 PROJECT RVAAP ROL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
		X			
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Still	Moder.	High	Report No.	
		X			
HUMIDITY	Dry	Moder.	Humid	8	
	X				

SUB-CONTRACTORS ON SITE:

Joe Wilson

EQUIPMENT ON SITE:

Laptop computer, water level tape

WORK PERFORMED (INCLUDING SAMPLING):

0700 - Arrive @ RVAAP w/ replacement RS-232 cable to set dataloggers at ROL.

0711 - Arrive @ ROL (see logbook #8, p.12)

0835 - leave RVAAP. All went well.

26
10/26/98

PROJECT RYAN RGL SW Investigation
JOB NO. 003

REPORT NO. 8
DATE: 26 October 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

for 10/26/98

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

for 10/26/98

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

for 10/26/98

SPECIAL NOTES:

for 10/26/98

TOMORROW'S EXPECTATIONS:

By: [Signature] 10/26/98
(Signature and date)

QA Check by: [Signature] 8-31-98
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 13 November 1998

DAY	S	M	T	W	TH	F	S
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WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32°	32-30°	30-70°	70-85°	85° up
WIND	Still	Moder.	High	Report No.	
HUMIDITY	Dry	Moder.	Humid	9	

COE PROJECT MANAGER JOHN JEST
 PROJECT RVAAP ROL GW INVESTIGATION
 JOB NO. 003
 CONTRACT NO. DAKA97-27-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilson

EQUIPMENT ON SITE:

van, water level tape, laptop

WORK PERFORMED (INCLUDING SAMPLING):

1300 - Arrive @ RVAAP. Stop by Admin. bldg and tell Vicky Record that I am on-site. Walk through bldg. 1036 w/ Stan from R&R. We discuss how we are going to secure SATC supplies.

1331 - Arrive @ ROL to download and get water levels (see logbook #8, p. 13).

1430 - Return to bldg. 1036 w/ SATC John Best. This boat had been secured @ the quarry. It will now be staged w/ other supplies @ bldg 1036.

1445 - Leave RVAAP to get SATC supplies from offsite war house.

1610 - Return to RVAAP w/ supplies. Stage and secure in back NW corner room. Secure all doors to building as Stan and I discussed.

1700 - Leave RVAAP.

11/13/98

PROJECT RVAAP REPL GW Investigation
JOB NO. 003

REPORT NO. 9
DATE: 13 NOVEMBER 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

~~ac
11/13/98~~

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

~~ac
11/13/98~~

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

~~ac
11/13/98~~

SPECIAL NOTES:

~~ac
11/13/98~~

TOMORROW'S EXPECTATIONS:

~~ac
11/13/98~~

By: Joseph W. [Signature] 11/13/98
(Signature and date)

QA Check by: M. H. Hall 8-31-98
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 11 December, 1998

DAY

S	M	T	W	TH	F	S
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WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	X				
TEMP	To 32°	32-30°	30-70°	70-85°	85° up
			X		
WIND	Still	Moder.	High	Report No.	
	X				
HUMIDITY	Dry	Moder.	Humid	1φ	
	X				

COE PROJECT MANAGER John Tent
 PROJECT RVAAP BOL GW INVESTIGATION
 JOB NO. 003
 CONTRACT NO. DAK97-27-D-0025

SUB-CONTRACTORS ON SITE: Joe Wisaw

EQUIPMENT ON SITE: water level meter, car, laptop

WORK PERFORMED (INCLUDING SAMPLING):

- 1100 - Arrive @ RVAAP. Stop to tell Vicky Record that I am on-site.
Install 3" Barrel Bolt lock on back door of Bldg 1036
- 1134 - Arrive @ BOL to get water levels, download transducers and pull transducer from pond. Pond completely dry. SEE logbook # 8
- 1300 - Return to bldg 1036. Clean and store staff gauge transducer.
- 1315 - Leave bldg 1036. Leave RVAAP.

12/11/98

PROJECT RVAF RQL GW Investigation
JOB NO. 2003

REPORT NO. 10
DATE: 11 December 1998

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

JW
12/11/98

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

JW
12/11/98

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

JW
12/11/98

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

JW
12/11/98

By: *James A. White* 12/11/98
(Signature and date)

QA Check by: *H. A. Steel* 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 22 January 1999

DAY	S	M	T	W	TH	F	S
						X	

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
				X	
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Still	Moder.	High	Report No.	
		X			
HUMIDITY	Dry	Moder.	Humid	11	
		X			

COE PROJECT MANAGER John Kent
 PROJECT RVAPP RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DAE97-27-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilton - SMC

EQUIPMENT ON SITE:

Work Truck, laptop, water level indicator

WORK PERFORMED (INCLUDING SAMPLING):

0815 - Arrive @ RVAPP. Stop @ Rd 1037 and talk w/ Vicki Record and Tim Meyer about road conditions. Conditions bad but possible to RQL.

0830 - leave for RQL (see logbook #8)

0930 - leave RVAPP.

Joe
1/22/99

12

PROJECT RVAAP RGL GW Investigation
JOB NO. 093

REPORT NO. 11
DATE: January 22, 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

NA

1/22/99

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

NA

1/22/99

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

None

1/22/99

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

By: *James J. White* 1/22/99
(Signature and date)

QA Check by: *H. A. Hall* 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 12 February 1999

DAY

S	M	T	W	TH	F	S
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WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
			-	X	X
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
	X				
WIND	Still	Moder.	High	Report No.	
		X		12	
HUMIDITY	Dry	Moder.	Humid		
		X			

COE PROJECT MANAGER John Jent
 PROJECT ^{RVAAP} RQL GW INVESTIGATION
 JOB NO. 0003
 CONTRACT NO. DAK97-27-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilson MATT ROSE

EQUIPMENT ON SITE:

Truck, laptop, sampling equipment

WORK PERFORMED (INCLUDING SAMPLING):

0700 - Arrive @ RVAAP. Prepare for 3rd quarter sampling. Download and shut off data loggers at RQL. Truck gets stuck (see next page). Set up staging area for drums in bldg 1036.

1330 - Leave RVAAP to get gas for air compressor, lunch and supplies.

1425 - Return to RVAAP. Meet Stan (R&R) at load line 12 waste water plant to dispose of waste water from previous sampling events (drum RQLQS-01) as per Mark Patterson (RVAAP). Re-seed level and cover area @ RQL where we were stuck. Collect surface water sample from RQLsw-015 (#RQ0109). Collect QC sample - source water blank (#RQ0083) of DI water. Collect QC sample - equipment rinseate (#RQ0080). Decom equipment.

1800 - leave site. End of day.

Jent
2/12/99

PROJECT RVAAP RQL GW Inv.
JOB NO. 003

REPORT NO. 12
DATE: 12 February 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibrate QEB Flow cell # 10410
Calibrate Horiba U-10 # 507028 (HAZCO)
Collect Source Water Blank # RQ0083 (Rica Chem. Co. lot # 100224 Exp. 5/99)
Collect Equipment Residue (bladder pump) # RQ0080

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Target H&S

~~24
2/12/99~~

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

Truck stuck in mud near RQLmw-009. Frank (Maintenance Manager) pulled us out w/ a salt truck. Will not drive off road anymore. This chewed up the cap a little near RQLmw-009. We leveled the surface, seeded w/ commercial grade grass seed and covered with straw. We reported all events to Bldg 1036 staff.

~~24
2/12/99~~

SPECIAL NOTES:

~~24
2/12/99~~

TOMORROW'S EXPECTATIONS:

Sample 3 of the 6 monitoring wells.

By: Joseph J. White 2/12/99
(Signature and date)

QA Check by: Debra Hall 8-31-99
(Signature and date)

DATE 2/13/99

DAY	S	M	T	W	TH	F	S
							X

DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER JOHN JENT

PROJECT RVAAP ROL GW Inv.

JOB NO. 003

CONTRACT NO. DACA97-27-D-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
					X
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
	X				
WIND	Still	Moder.	High	Report No.	
			X		
HUMIDITY	Dry	Moder.	Humid	13	
		X			

SUB-CONTRACTORS ON SITE:

JOE WILSON

MATT ROOT

EQUIPMENT ON SITE:

Truck, laptop, sampling equipment

WORK PERFORMED (INCLUDING SAMPLING):

0600 - Arrive @ RVAAP. Prep. for sampling.

0740 - Depart for ROL. Snow storm last night and today.

1000 - Leave RVAAP. QED controller box broken (not working - see next page)

1200 - Return to RVAAP. Get controller working. Collect gas sample #

RQ0100 from sta. # RQmw-011. Collect sample # RQ0103

from sta. # RQmw-006.

1800 - leave RVAAP.

Out
2/13/99

PROJECT RVAAP RGL GW Inv.

REPORT NO. 13

JOB NO. 003

DATE: 13 February 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibrate QED Flow Cell # 10410

Calibrate Horiba U-10 # 507028 (Hazeo)

~~2/17/99~~

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

W+ H&S Tailgate

~~2/13/99~~

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

- ① QED bladder pump not cycling air. Called QED but their suggestions did not work. Eventually began to work. It seems that ice was forming in air lines within the unit.
- ② QED Well Wizard water quality meter shut off and would not restart. Used Horiba U-10 as a flow cell. We were able to read all parameters. Well wizard failure ??? Back at hotel room it worked fine. Must have been the cold.

~~2/17/99~~

SPECIAL NOTES:

~~2/17/99~~

TOMORROW'S EXPECTATIONS:

Collect gas samples from Stais #'s RGLmc-007, 008, 009 and 010.

By: [Signature] 2/14/99
(Signature and date)

QA Check by: M.H. Hall 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 14 February 1999

DAY	S	M	T	W	TH	F	S
	X						

WEATHER

Bright Sun	Clear	Overcast	Rain	Snow
	X			

TEMP

To 32°	32-30°	30-70°	70-85°	85° up
X				

WIND

Still	Moder.	High	Report No.
X			

HUMIDITY

Dry	Moder.	Humid	14
X			

COE PROJECT MANAGER John Jent
 PROJECT RVAAP RQI GW Investigation
 JOB NO. 003
 CONTRACT NO. DAR97-27-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilson
Matt Root

EQUIPMENT ON SITE:

Work truck, laptop, sampling supplies

WORK PERFORMED (INCLUDING SAMPLING):

0600 - Arrive @ RVAAP and load supplies. Head to RQI. Will have to walk (carry) equipment to the wells today because of weather conditions (snow, wet). Collect sample # RQ0106 + MS/MSD volume from sta. # RQI-mw-009. Collect sample # RQ0105 from sta. # RQI-mw-008. Collect sample # RQ0104 from sta. # RQI-mw-007. Collect sample # RQ0107 from sta. # RQI-mw-010. Sample management, clean and housekeeping. Restart transducers.

1700 - leave RVAAP.

2/14/99

PROJECT RVAAP RQL GW Investigation
JOB NO. 007

REPORT NO. 14
DATE: 14 February 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibrate Horiba U-10 # 507028 (HAZCO)

JW
2/14/99

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

D+ HCS Trailgate

JW
2/14/99

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

Hand pump for filtering metals froze up. Filtered by inserting teflon sample tubing into filter and sampling in-line.

JW
2/14/99

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

Relinquish samples to lab. End sampling cont.

By: Joseph J. White 2/14/99
(Signature and date)

QA Check by: M. H. Hall 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 15 February 1999

DAY	S	M	T	W	TH	F	S
		X					

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
		X			
TEMP	To 32'	32-30'	30-70'	70-85' 85' up	
			X		
WIND	Still	Moder.	High	Report No.	
	X			15	
HUMIDITY	Dry	Moder.	Humid		
	Y				

COE PROJECT MANAGER John Jost
 PROJECT RVAAP RQL GW INVESTIGATION
 JOB NO. 603
 CONTRACT NO. DACA97-27-D-0025

SUB-CONTRACTORS ON SITE:
Joe Wuzen
Matt Root

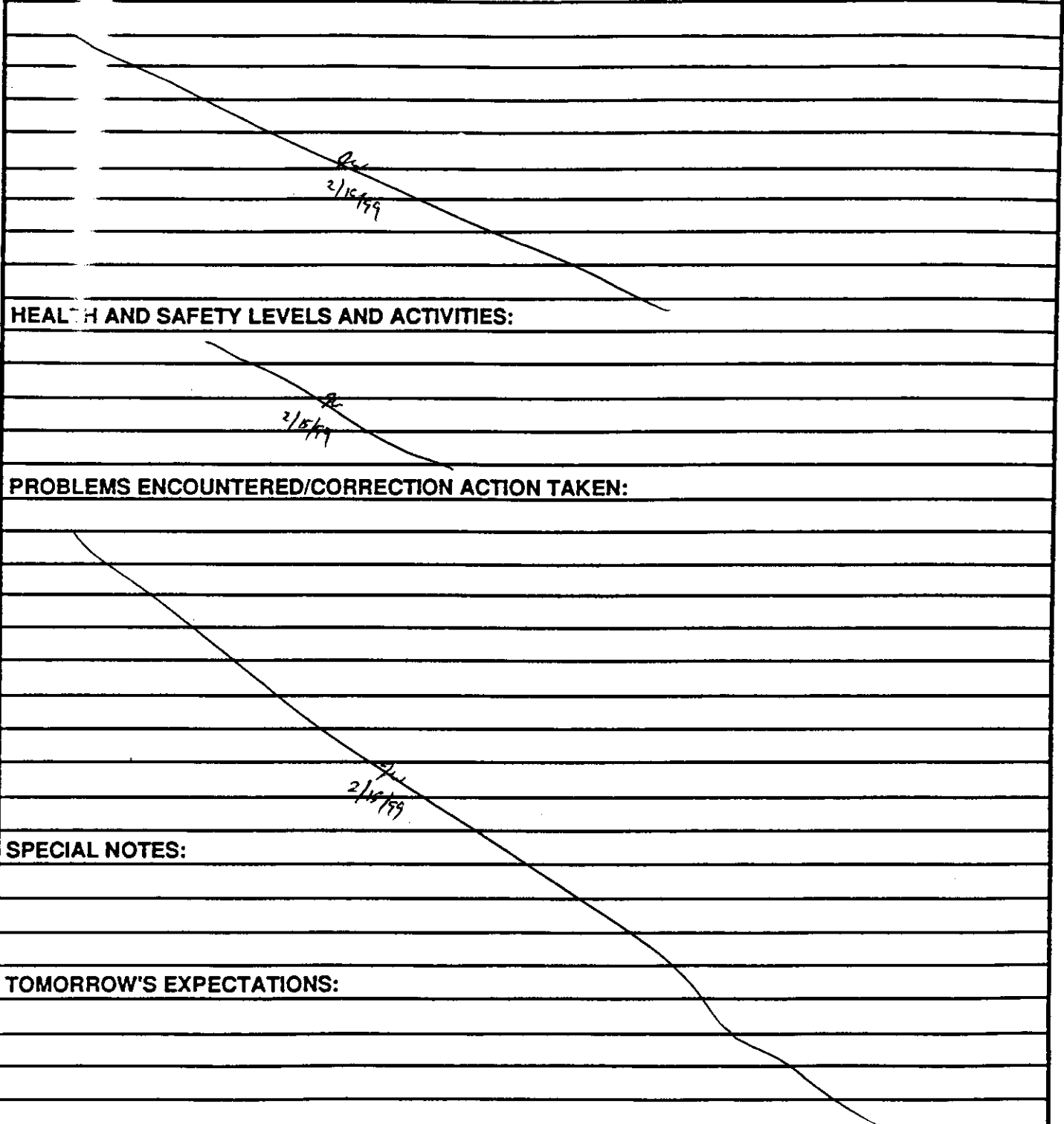
EQUIPMENT ON SITE:
Truck, laptop, sampling supplies

WORK PERFORMED (INCLUDING SAMPLING):
NOTES ON THIS EVENT:
 ① started drum # RQLQS-02, staged in bldg 1036, ~20 gallons
 ② wrote FCO for bagging ice. This is because Quantara delivered bottles in coolers that contain foam bottoms w/ holes cut to fit bottles. The deliverer (Greg) said to dump ice on top, then place foam cover over all. Everything contained in plastic bag. Cooler secured as usual. Bagged ice would not fit in cooler as foam is cut to allow ice to fall in around top 1/2 of bottles.
 ③ wrote NCR for failing to fill 2nd Rest/PCB for sample # RQ0108.

0600 - Arrive @ Base. Finish packing samples
0730 - Relinquish samples to Quantara
0800 - Leave RVAAP. End of event.

John Jost
2/15/99

PROJ: RVAAP RSL GW Investigation REPORT NO. 15
JOB NC: 003 DATE: 15 February 1999

QUALI	CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):		
			
		HEALTH AND SAFETY LEVELS AND ACTIVITIES:	
		PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:	
		SPECIAL NOTES:	
		TOMORROW'S EXPECTATIONS:	

By: [Signature] 2/15/99
(Signature and date)

QA Check by: [Signature] 8-31-99
(Signature and date)

DATE 22 March 1999

S	M	T	W	TH	F	S
	X					

DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER John Jent
 PROJECT RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
			X		
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Silt	Moder.	High	Report No.	
	X			16	
HUMIDITY	Dry	Moder.	Humid		
		X			

SUB-CONTRACTORS ON SITE:

Joe Wilson - SAIC

EQUIPMENT ON SITE: Truck, laptop computer

WORK PERFORMED (INCLUDING SAMPLING):

1200 - Arrive at RVAAP to download RQL data loggers and get
all record of water levels (see logbook #8, p-58) -
1330 - Leave RVAAP. All went well.

OK
3/22/99

PROJECT RQL GW Investigation

REPORT NO. 16

JOB NO. 003

DATE: 22 March 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

NA

QC
3/22/99

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

D+

QC
3/22/99

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

QC
3/22/99

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

By: James J. White 3/22/99
(Signature and date)

QA Check by: M. A. Hall 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 9 April 1999

DAY	S	M	T	W	TH	F	S
						X	

WEATHER

Bright Sun	Clear	Overcast	Rain	Snow
			X	

TEMP

To 32'	32-30'	30-70'	70-85'	85' up
		X		

WIND

Still	Moder.	High	Report No.
	X		

HUMIDITY

Dry	Moder.	Humid	17
	X		

COE PROJECT MANAGER John Jent

PROJECT RVAAP ROL GW Investigation

JOB NO. 003

CONTRACT NO. DACA97-27-D-0005

SUB-CONTRACTORS ON SITE:

Joe Wilson

EQUIPMENT ON SITE:

Truck, laptop, sampling supplies

WORK PERFORMED (INCLUDING SAMPLING):

1215 - Arrive at RVAAP. Meet w/ Vicki Record, Tim Morgan and Stan Leung to let them know what I'll be doing. Stan suggests we dump any waste water this event because treatment plant will be torn down soon. Check-in and calibrate all equipment. Prepare sample coolers into suites of bottles. Assemble bladder pumps. Talk to Stan about sanitary trash, he says to use dumpster at building 103B.

1645 - Leave RVAAP.

1705 - Talk to Stan Scheman (phon) about water chemistry of February samples. He suggests I dump purge and decon water at treatment center if Kevin Jago agrees when looking at the data. Kevin tells me the February samples are all below RCRA and primary drinking water standards. I will meet Stan Monday to dispose of this water.

SL
4/9/99

PROJECT RVAAP RQL GW Investigation
JOB NO. 003

REPORT NO. 17
DATE: 9 April 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

calibrate sampling equipment

9
4/9/99

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

NA

9
4/9/99

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

9
4/9/99

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

Sample RQLmw-0510, RQLmw-0511, RQLmw-0516, surface water from RQLmw-0515 and QC rinseate sample

By: Joseph J. W. 4/9/99
(Signature and date)

QA Check by: M. H. Hall 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 10 April 1999

DAY	S	M	T	W	TH	F	S
							X

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	X				
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Still	Moder.	High	Report No.	
	X				
HUMIDITY	Dry	Moder.	Humid	18	
	X				

COE PROJECT MANAGER John Jent
 PROJECT RYAAP RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilson, Juan Ananado - SAIC

EQUIPMENT ON SITE:

Truck, laptop computer, sampling equipment

WORK PERFORMED (INCLUDING SAMPLING):

0700 - Arrive at RYAAP. Go to bldg 1036. Collect trip blank # RQ00088 and QC rinsate sample # RQ00081. Rinsate bladder pump came from RQLmw-010 and was next used at RQLmw-010.

0750 - Leave location to RQL (see logbooks # 8 and 5 for details). Collect sample ~~RQ0114~~ # RQ0114 from sta. # RQLmw-010, # RQ0116 from sta. # RQLsw-015, # RQ0115 from sta. # RQLmw-011, and RQ0110 from sta. # RQLmw-006.

Also, prior to sampling took a full round of water levels and down loaded data loggers. Re-installed pressure transducer in staff gauge.

Pond has lots of life (see logbook # 5).

1800 - Leave location. End of day.

01/10/99

PROJECT RVAAP RQLGW Inv.

REPORT NO. 18

JOB NO. 003

DATE: 10 April 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibrate Horiba U-10 and OEB Flow Cell - See PLSTE logbook
Collect Equipment Rinsate QC sample # RQ0001

~~JW
4/10/99~~

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

D+ Tailgate Meeting

~~JW
4/10/99~~

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

None

~~JW
4/10/99~~

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

sample RQLmw-007, 008 and 009. Collect MS/MSD and QC duplicate w/ QA split.

By: [Signature] 4/10/99
(Signature and date)

QA Check by: [Signature] 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 11 April 1999

DAY	S	M	T	W	TH	F	S
	X						

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
				X	

TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		

WIND	Still	Moder.	High	Report No.
		X		

HUMIDITY	Dry	Moder.	Humid	19
		X		

COE PROJECT MANAGER John Jent
 PROJECT RVAAP RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0015

SUB-CONTRACTORS ON SITE:

Joe Wilson, Juan Alvarado

EQUIPMENT ON SITE:

Truck, laptop, sampling equipment

WORK PERFORMED (INCLUDING SAMPLING):

0800 - Arrive at RVAAP. Calibrate instruments, collect QA split sample trip blank.
0845 - Depart for RQL. Collect sample # RQ0113 w/ MS/MSD volume and QC duplicate # RQ0075 and QA split # RQ0079 from station # RQLmw-009.
 Collect sample # ~~RQ0112~~ RQ0112 from station # RQLmw-009. Collect sample # RQ0111 from station # RQLmw-007. Decon all equipment. Sample management for all samples. Start new drum # RQLQS-03, staged in bldg 1036, w/ 15 gallons of purge and decon water.
1800 - leave RVAAP.

AW
4/11/99

PROJECT RVAAP RGL CW Investigation
JOB NO. 003

REPORT NO. 19
DATE: 11 April 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

Calibrate OES Well Wizard and Horba U-100
Collect QC duplicate from sta. # RGLmw-0009 (regular sample # RGL013)
Collect QA split from sta. # RGLmw-0009.

JW
4/11/99

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Tolerance

JW

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

NONE

JW
4/11/99

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

Relinquish samples, re-start transducers

By: *Joseph J. White* 4/11/99
(Signature and date)

QA Check by: *M.H. Hall* 8-31-99
(Signature and date)

DATE 12 April 1999

DAY	S	M	T	W	TH	F	S
		X					

DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER John Tent
 PROJECT RVAAP ROL GW Investigate
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0026

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
			X		
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Still	Moder.	High	Report No.	
		X			
HUMIDITY	Dry	Moder.	Humid	20	
		X			

SUB-CONTRACTORS ON SITE:

J. Wilson, Juan Alvarado

EQUIPMENT ON SITE:

Truck, laptop, sampling equipment

WORK PERFORMED (INCLUDING SAMPLING):

0630 - Arrive at RVAAP. Work on sample management. Relinquish samples to Quartermaster courier service. Packery - split lab (QAT) sample into cooler for Fedex to MRD. Go to ROL. Reset all pressure transducers including the one in panel.

1015 - J. Alvarado off-site. J. Wilson Housekeeping. Relinquish custody of drum ROL05-02 to Stan Levenson of R.R. This has Feb. sampling event purge and decan water. Stan will run through the treatment plant later this week.

1110 - J. Wilson OFF-site. End of event.

4/12/99

PROJECT RVAAP Repl GW Investigation
JOB NO. 003

REPORT NO. 20
DATE: 12 April 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

4/12/99

By: *[Signature]* 4/12/99
(Signature and date)

QA Check by: *[Signature]* 8-31-99
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 21 May 1999

DAY	S	M	T	W	TH	F	S
						X	

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	X				
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
			X		
WIND	Still	Moder.	High	Report No.	
	X				
HUMIDITY	Dry	Moder.	Humid	21	
		X			

COE PROJECT MANAGER John Jant
 PROJECT RQL GW Investigation
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0025

SUB-CONTRACTORS ON SITE:

Joe Wilson Sme

EQUIPMENT ON SITE:

Truck, laptop computer

WORK PERFORMED (INCLUDING SAMPLING):

1310 - Arrive at RVAAP RQL to download dataloggers and get full round of water levels (see logbook #8 p. 600). Note: yellow jackets building nests in all 6 wells w/ transducer cables coming out of protective cap. All else looks fine.

1415 - Leave RQL. End of day

gw
5/21/99

21

PROJECT RQL GW Investigation
JOB NO. 003

REPORT NO. 21
DATE: 21 May 1999

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

NA

9/21/99

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Level D⁺

9/21/99

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

Yellow jacket hives under protective casings. Knocked hives out of protective casing with a stick.

SPECIAL NOTES:

9/21/99

TOMORROW'S EXPECTATIONS:

By: *[Signature]* 5/21/99
(Signature and date)

QA Check by: *[Signature]* 8-31-99
(Signature and date)

DATE 5.25.99
DAY

S	M	<input checked="" type="checkbox"/>	W	TH	F	S
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DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER J. Jent
PROJECT RQL GW Investigation
JOB NO. 003
CONTRACT NO. ~~DACA97-27-D-0025~~ DACA97-27-D-0025
6/2/99

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32°	32-30°	30-70°	70-85°	85° up
WIND	Still	Moder.	High	Report No.	
HUMIDITY	Dry	Moder.	Humid	22	

SUB-CONTRACTORS ON SITE: None

EQUIPMENT ON SITE: Middletown Ford Pickup

WORK PERFORMED (INCLUDING SAMPLING): Arrived 1430 w/ Matt Root, for wet weather sampling event. Awaiting WQ instrument, we prepped bottles + equipment for sampling. Collected equipment rinsate @ 1500 for this event. Collected water levels @ new wells from 1600 - 1715. Rinsate is sample RQ001B. Will be held on ice for pickup.
1800 K. Dominic + M. Root off site.

MJR
5-25-99

PROJECT RQL GW Investigation
JOB NO. 803

REPORT NO. 22
DATE: 5.25.99

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS): *Collection of equipment*

rinsate.

KD

HEALTH AND SAFETY LEVELS AND ACTIVITIES: *Level D; routine.*

KD

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN: *Instruments not available*

for WP monitoring until tomorrow. Impending holiday weekend may create difficulty for coordination w/lab.

KD

SPECIAL NOTES: *Continue to coordinate w/Quarterra.*

TOMORROW'S EXPECTATIONS: *Collect surface water sample, dupes, split. Begin*

well sampling at RQLmw-006, then move to RQLmw-011.

KD

By: *KL Demaris* *5.25.99*
(Signature and date)

QA Check by: *P. H. Acell* *8-31-99*
(Signature and date)

DATE 5.26.99
DAY

S	M	T	W	TH	F	S
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DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER J. Jen
PROJECT RQL GW Investigation
JOB NO. 003
CONTRACT NO. DACA97-27-T-0025

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
WIND	Still	Moder.	High	Report No.	
HUMIDITY	Dry	Moder.	Humid	23	

SUB-CONTRACTORS ON SITE: None

EQUIPMENT ON SITE: Frd truck

WORK PERFORMED (INCLUDING SAMPLING): Arrive $\phi 7\phi\phi$ w/ Matt Root. Prepared to spend morning sampling surface water + RQLmw- $\phi 06$. Data loggers on all six wells shut down by OBAS. Set up to micropurge + sample RQLmw- $\phi 06$, awaiting instruments. Flow controller for pump would not function. Call to QED suggested a problem w/ electronics in units. This means no gw samples can be collected until QED sends a loaner. Dominic + Root collect surface water sample (w/split + dupe) @ RQL sd- $\phi 15$. Lots of airborne pollen + other tree-stuff floating on water during sampling. Sampling completed by 1220, we spent rest of day prepping, preserving, and packing today's + yesterday's samples, scheduling pick-ups w/ Quanterna, boxing broken flow controller for shipment to QED, and creating bottle sets for sampling tomorrow. Both off site @ 1800.

K. Dominic 5.26.99

PROJECT RQL GW Investigation
JOB NO. 003

REPORT NO. 23
DATE: 5.26.99

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS): Collection of duplicate and split samples for surface water.

HEALTH AND SAFETY LEVELS AND ACTIVITIES: Level D. Routine.

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN: 1) Malfunction of flow controller a critical piece of sampling eqpt. - called vendor for immediate replacement. It will arrive tomorrow by 1000. 2) Loss of a half day of sampling may create problems w/ lab. If we cannot finish sampling by COB Friday, we will have to take the last samples to the N. Canton lab ourselves by Noon Saturday. These samples will have to be refrigerated and cannot be shipped or analyzed until Tuesday - four of seven days of holding time lost

SPECIAL NOTES:

TOMORROW'S EXPECTATIONS:

By: R.L. Dominic 5.26.99
(Signature and date)

QA Check by: 8-31-99 M.H. del
(Signature and date)

DAILY QUALITY CONTROL REPORT

DATE 5.28.99

DAY

S	M	T	W	TH	F	S
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WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32'	32-30'	30-70'	70-85'	85' up
WIND	Still	Moder.	High	Report No.	
HUMIDITY	Dry	Moder.	Humid	24	

COE PROJECT MANAGER JOHN JENT
 PROJECT RQL GROUNDWATER INVESTIGATION
 JOB NO. 003
 CONTRACT NO. DACA97-27-D-0025

SUB-CONTRACTORS ON SITE: NONE

EQUIPMENT ON SITE: FORD PICKUP TRUCK (MIDDLETOWN)

WORK PERFORMED (INCLUDING SAMPLING): DOMINIC + ROOT ARRIVE ON SITE 0600 TO BEGIN GW MICROPURGING + SAMPLING (SEE GW SAMPLING LOGBOOK). SAMPLES WERE COLLECTED AS FOLLOWS: 0731 - RQLMW-007 (RQ0118); 0855 - RQLMW-008 (RQ0119); and 1132 - RQLMW-009 (RQ0120). A TRIP BLANK (RQ0093) WAS CREATED FOR VOCs BEING SHIPPED TODAY, AT 1400 HRS. QUANTERRA PICKED UP SAMPLES FROM 5.27.98 THIS MORNING @ 0930. SAMPLING AT RQL WAS COMPLETED BY 1200. DOMINIC + ROOT REACTIVATED DATA LOGGERS AT ALL SIX MONITORING WELLS + RETURNED TO BLDG 1036 TO PREP AND PACKAGE SAMPLES. ALL SAMPLES TAKEN TODAY WERE COURIERED BY K. DOMINIC TO QUANTERRA IN NORTH CANTON. FOLLOWING FINAL EQUIPMENT DECONTAMINATION, SAMPLE PACKAGING, AND LOADING, M. ROOT AND K. DOMINIC DEPARTED RVAAP @ 1430. DOMINIC COMPLETED TRANSFER OF SAMPLES TO QUANTERRA AT 1535. ALL EXCESS EQUIPMENT + SUPPLIES AT RVAAP SECURED IN BLDG. 1036. ALL RENTAL EQUIPMENT WILL BE RETURNED TO VENDORS ASAP.

Kathy L. Dominick
 5.28.99

PROJECT DACA 99-27-D-0025
JOB NO. 003

REPORT NO. 24
DATE: 5.28.99

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS): HORIBA U-10 unit

CAL CHECKED IN FIELD PER SAMPLING LOG.

KLD
5.28.99

HEALTH AND SAFETY LEVELS AND ACTIVITIES: LEVEL D; ROUTINE.

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN: MUCH TIME SPENT TRYING TO COORDINATE LAB COURIER SERVICES. UNCERTAINTY ABOUT WHETHER SAIL COULD MAKE DELIVERY TO QUANTERRA W/ SUFFICIENT TIME FOR THEM TO REPACKAGE & SHIP EXPLOSIVES + PROPELLANTS TO OTHER LABS BEFORE THE HOLIDAY WEEKEND. THIS WORKED ITSELF OUT, EVENTUALLY, BUT A LOT OF TIME WAS EXPENDED.

SPECIAL NOTES:

KLD
5.28.99

TOMORROW'S EXPECTATIONS: None; event complete.

KLD
5.28.99

By: Kathy L. Dominic 5.28.99
(Signature and date)

QA Check by: [Signature] 06/07/99
(Signature and date)