ENVIROCARE OF UTAH, LLC

SAFE AND SECURE

December 6, 2005
Ref. No. 23535-066

Mr. Eric Lardiere
Meggitt-USA, Inc.
Whittaker Corporation
1955 N. Surveyor Avenue
Simi Valley, California 93063

Subject: Transmittal of Envirocare of Utah, LLC Document

Dear Mr. Lardiere:

Please find the enclosed document detailing the November 2005 groundwater sampling event conducted by Envirocare of Utah, LLC (formerly Scientech, LLC-Decommissioning Services Division) at the Whittaker site located near Greenville, PA. This document should be attached as Addendum 10 to the site Groundwater Monitoring Plan (Scientech Document Number 82A9103, Revision 3).

Should you have any questions or comments, please call me at (864) 235-3695.

Sincerely,

Lai Cogz for

Kevin E. Taylor, PE
Sr. Health Physicist
Envirocare of Utah, LLC
17 College Street
Suite D
Greenville, SC 29601
Phone: (864) 235-3695
Fax: (864) 235-8405

KET/lhc
cc: E. Lardiere w/enclosure
M. McLaughlin w/enclosure
B. Werner w/enclosure
R. Woods w/enclosure

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

ADDENDUM AUTHORIZATION

2-Dec-05
Effective Date

Document Title	Groundwater Monitoring Plan	Document No.	82A9103, Rev. 3
Addendum No.	10	Originator	Kevin E. Taylor
For Site/Utiliy	Whittaker Site, Greenville, PA		

Description of Addendum:

Report on site groundwater monitoring activities for 2005.

Reason for Change:

Results of the ANNUAL groundwater monitoring are to be submitted per Section 3 of the Groundwater Monitoring Plan.

CONTROLLED COPY No. 743

APPROVALS:

Title	Signature	Date
Technical Reviewer		12/5/05
Operations Manager		12/2/05

Approvals for the Addendum shall at least be equal to the Appoval of the base document and may inlcude customer sign off.

Distribute to all Envirocare Control Copy holders of affected document and None

A copy of this authorization shall be attached to the affected document.

December 2, 2005

Subject: Whittaker Site Groundwater Monitoring Well Sampling, November 2005

INTRODUCTION

In accordance with Whittaker Corporation's U.S. Nuclear Regulatory Commission (NRC) License No. SMA-1018, Amendment No. 8, Condition No. 14, and Scientech, LLC Document No. 82A9103, Revision 3, "Groundwater Monitoring Plan, Whittaker Corporation, Greenville, PA" (Plan), well sampling activities were conducted on November 3 and 4, 2005. Keith Shortsleeve (Project Geologist) of Envirocare of Utah, LLC (formerly Scientech, LLC) conducted the sampling activities with support from on-site Envirocare personnel. Well sampling procedures and analytical protocol are discussed and specified in the Plan. The water sampling event also complies with the environmental monitoring requirements of the site Restoration Plan as approved by the Pennsylvania Department of Environmental Protection.

In addition to the groundwater data, the results of the fence line radiological survey is attached. This survey was conducted to document the radiological conditions at the fence prior to demobilizing from the site for the winter. The December 2004 fence line survey is also provided to compare how site conditions changed during 2005.

ACTIVITIES

On November 3, Envirocare first measured the depths to groundwater for all 10 site monitoring wells (MW-1 to MW-10). Envirocare sampled wells MW-1 through MW-7 on November 3 and wells MW-8 through MW-10 on November 4. Water samples were collected in two 0.5-gallon plastic containers for gross alpha and gross beta analysis. The wells were productive and sampling proceeded without any problems. Previous sampling results indicated little to no difference in gross alpha and gross beta concentrations in filtered and unfiltered water sample; therefore, only unfiltered samples were collected.

Groundwater samples were analyzed for gross alpha and gross beta activity using gas flow proportional counting (GFPC) (EPA Method 900.0 MOD) by Severn Trent Laboratories. (STL) radioanalytical laboratory in St. Louis, MO. For quality assurance (QA) purposes, Envirocare sent a duplicate sample from MW-10 to General Engineering Laboratories (GEL) in Charleston, SC.

RESULTS

Table 1 provides a summary of groundwater analytical results for MW-1 through MW-10 for gross alpha and gross beta as reported by STL. All results were less than the water quality contaminant limits of 15 picocuries per liter (pCi/L) gross alpha and less than 50 pCi/L gross beta. In fact, no sample has had concentrations greater than either limit since April 2001. As a result, none of the samples were analyzed for isotopic distribution. The maximum reported alpha activity was 6.7 pCi/L for the sample collected from MW-10; however, this concentration was

less than the minimum detectable concentration (MDC) of 8.4 pCi/L. While MDCs for the gross alpha analyses were slightly elevated in several samples due to high residual mass in those samples, no MDCs were greater than the 15 pCi/L action limit. The maximum beta activity was 22.2 pCi/L for the sample collected from MW-8.

TABLE 1
GROUNDWATER ANALYSIS DATA

Field ID	SMP Received		Analysis	Result	Error	MDA	Unit
MW-1	~4000	ml	Alpha	2.8	2.4	3.6	pCi/L
			Beta	2.9	1.3	2.0	pCi/L
MW-1	~4000	ml	Alpha	2.0	2.2	3.4	pCi/L
(DUP)			Beta	2.4	1.4	2.2	pCi/L
MW-2	~4000	ml	Alpha	3.5	2.1	2.8	pCi/L
			Beta	6.8	1.6	2.1	pCi/L
MW-3	~4000	ml	Alpha	1.1	1.8	3.1	pCi/L
			Beta	2.9	1.4	2.1	pCi/L
MW-4	~4000	ml	Alpha	5.6	3.4	4.7	pCi/L
			Beta	4.3	1.5	2.2	pCi/L
MW-5	~4000	ml	Alpha	0.3	1.2	2.3	pCi/L
			Beta	9.0	1.8	2.0	pCi/L
MW-6	~4000	ml	Alpha	2.1	1.7	2.5	pCi/L
			Beta	5.7	1.5	2.0	pCi/L
MW-7	~4000	ml	Alpha	1.8	2.3	3.7	pCi/L
			Beta	4.4	1.7	2.5	pCi/L
MW-8	~4000	ml	Alpha	1.7	4.5	8.3	pCi/L
			Beta	22.2	7.7	11	pCi/L
MW-9	~4000	ml	Alpha	4.2	3.4	5.0	pCi/L
			Beta	3.3	2.4	3.8	pCi/L
MW-10	~4000	ml	Alpha	6.7	5.6	8.4	pCi/L
			Beta	16.9	4.6	6.1	pCi/L

Table 2 compares gross alpha and gross beta results from each Whittaker site groundwater sampling event dating back to May 2000. These data do not include duplicate samples analyzed at a QA laboratory. Table 3 provides the depths to groundwater in MW-1 through MW-10 from May 2000 through October 2005.

TABLE 2
GROUNDWATER CONCENTRATION COMPARISONS
UNFILTERED SAMPLES

Well Number	May 2000		September 2001		August 2002		October 2003		September 2004		November 2005	
	Gross alpha	Gross beta	Gross alpha	Gross beta	Gross alpha	Gross beta	Gross alpha	Gross beta	Gross alpha	Gross beta	Gross alpha	Gross beta
MW-1	<MDA	29	<MDA	<MDA	3.2	<MDA	<MDA	5.6	<MDA	<MDA	<MDA	2.9
MW-2	**15**	28	<MDA	<MDA	6.5	5.0	4.9	9.3	<MDA	15.3	3.5	6.8
MW-3	<MDA	8.6	<MDA	5.5	<MDA	<MDA	2.5	<MDA	<MDA	<MDA	<MDA	2.9
MW-4	9.9	48	11	5.4	4.6	18	8.5	9.5	<MDA	6.4	5.6	4.3
MW-5	<MDA	18	<MDA	<MDA	<MDA	6.7	<MDA	7.7	<MDA	4.6	<MDA	9.0
MW-6	**25**	**85**	<MDA	5.7	5.2	4.7	5.4	6.7	6.0	6.5	<MDA	5.7
MW-7	6.2	19	<MDA	<MDA	<MDA	11	<MDA	4.4	<MDA	5.5	<MDA	4.4
MW-8	8.6	**73**	6.6	27	5.2	32	5.3	22	<MDA	21.4	<MDA	22.2
MW-9	<MDA	13	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA
MW-10	23	**95**	11	12	<MDA	2.6	6.6	212	9.6	30.1	<MDA	16.9

Note: Bold values in Table 4 are greater than their respective water quality contaminant limit.

TABLE 3
DEPTH TO GROUNDWATER IN MONITORING WELLS

Well Number	Depth to Groundwater (feet)[a]						
	May 2000	September 2001	August 2002	October 2003	September 2004	November 2005	Δ Feet[b]
MW-1	5.62	6.63	6.91	4.89	5.35	5.40	-0.15
MW-2	10.79	11.44	11.36	9.32	9.88	10.78	-0.90
MW-3	1.44	1.90	1.86	0.69	0.73	1.23	-0.50
MW-4	16.07	16.70	16.79	15.33	15.53	16.24	-0.71
MW-5	7.30	8.20	8.32	6.16	6.09	6.79	-0.70
MW-6	19.48	20.70	20.83	20.22	20.34	20.51	-0.17
MW-7	4.35	4.35	4.53	4.31	4.37	4.24	+0.13
MW-8	19.13	19.86	19.60	18.65	18.22	17.26	+0.96
MW-9	0	0.05	0	0.1	0	0	0
MW-10	21.51	22.45	22.33	20.50	20.51	21.11	-0.60
Average 1-year change in water level							**-0.264**

Note:
[a] Measured from the top of the PVC well casing.
[b] Change in water level change from September 200 to November 20054.

ATTACHMENTS

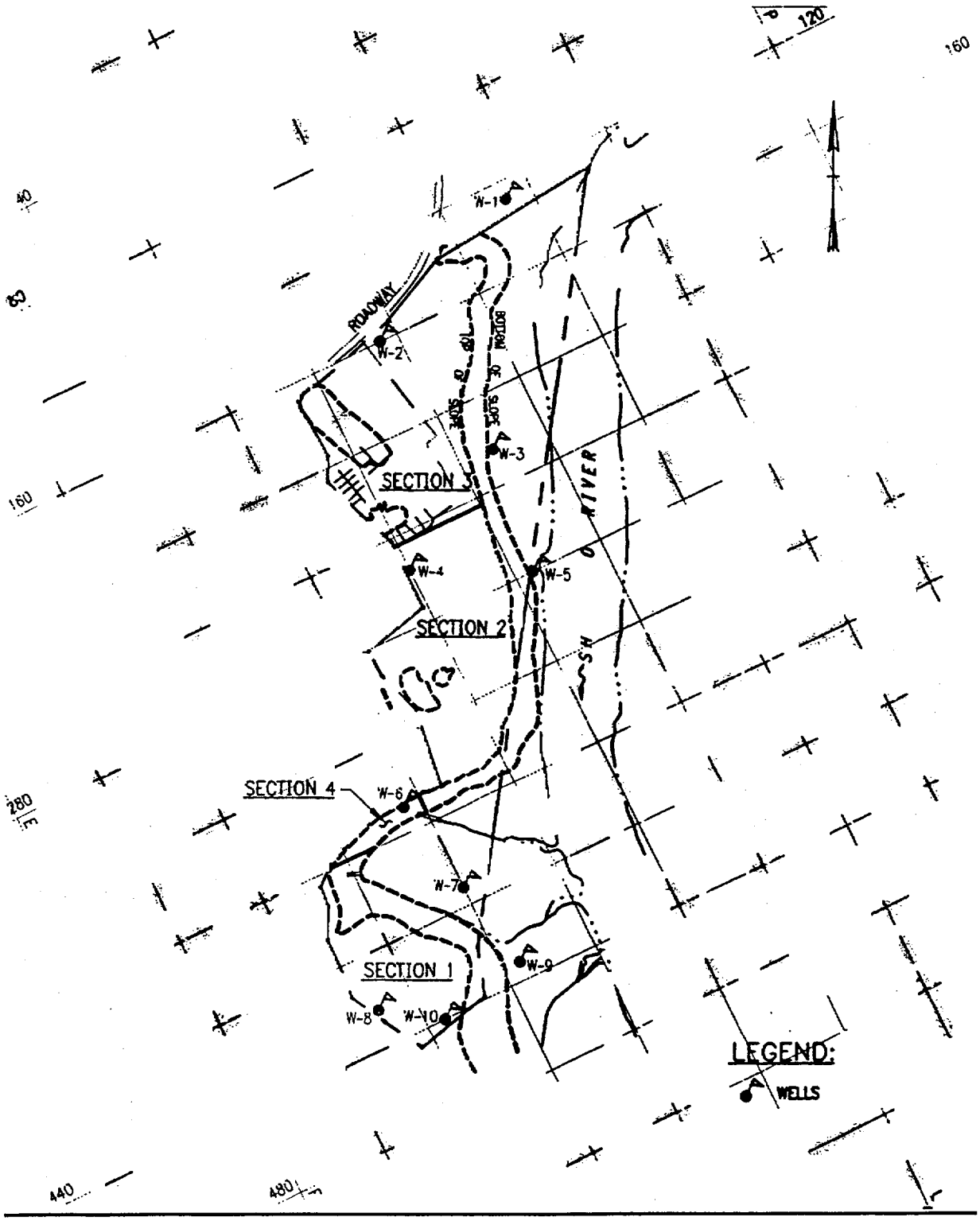
The following supporting documentation is provided as attachments to this report.

A Site Well Location Map
B STL Water Analysis Report
C Envirocare Well Sampling Field Logs
D Envirocare Chain-of-Custody Forms
E Fence Line Radiological Surveys and Map

ATTACHMENT A

Site Well Location Map

(1 page)


120
160
40
80
160
280
440
480
W-1
W-2
W-3
W-4
W-5
W-6
W-7
W-8
W-9
W-10
ROADWAY
SECTION 3
SECTION 2
SECTION 4
SECTION 1
RIVER
LEGEND:
WELLS

ATTACHMENT B

STL Water Analysis Report

(12 pages)

SEVERN TRENT STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 23535

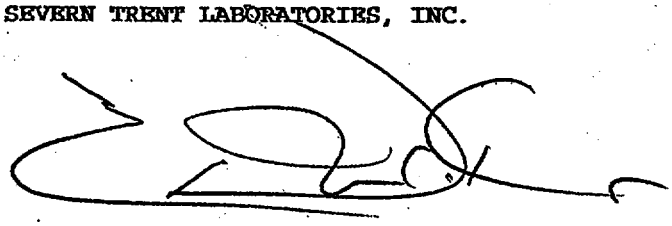
Whittaker, Transfer, PA

Lot #: F5K070158

Kevin Taylor

Scientech Inc
17 College Street
Suite D
Greenville,, SC 29601

SEVERN TRENT LABORATORIES, INC.



Ed Kao
Project Manager

November 14, 2005

Case Narrative
LOT NUMBER: F5K070158

This report contains the analytical results for the 15 samples received under chain of custody by STL St. Louis on November 7, 2005. These samples are associated with your Whittaker, Transfer, PA project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted on the following page.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by STL St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Gross Alpha/Beta 900 Mod

Affected Samples:

F5K070158 (1): MW-1
F5K070158 (3): MW-3
F5K070158 (4): MW-4
F5K070158 (7): MW-7
F5K070158 (8): MW-8
F5K070158 (9): MW-9
F5K070158 (10): MW-10
F5K070158 (12): SW-SECT 1
F5K070158 (14): SW-N POND
F5K070158 (15): SW-S POND

The reporting limit for gross alpha was not met due to the high residual mass of the sample. The maximum sample aliquot of 200 mL was used to prepare the sample which resulted in a high residual mass on the planchette.

The high residual mass yields lower detector efficiency. The sample was counted for 200 minutes. However, due to the reduced detector efficiency, the reporting limit was not met. The data is reported with the MDA achieved.

METHODS SUMMARY

F5K070158

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Gross Alpha/Beta by GFPC	EPA 900.0 MOD	EPA 900.0

References:

EPA "EASTERN ENVIRONMENTAL RADIATION FACILITY RADIOCHEMISTRY PROCEDURES MANUAL" US EPA EPA 520/5-84-006 AUGUST 1984

SAMPLE SUMMARY

F5K070158

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HPJKC	001	MW-1	11/03/05	13:20
HPJKD	002	MW-2	11/03/05	14:15
HPJKE	003	MW-3	11/03/05	14:50
HPJKG	004	MW-4	11/03/05	15:20
HPJKH	005	MW-5	11/03/05	15:50
HPJKJ	006	MW-6	11/03/05	16:30
HPJKK	007	MW-7	11/03/05	16:50
HPJKL	008	MW-8	11/04/05	09:00
HPJKM	009	MW-9	11/04/05	09:45
HPJKN	010	MW-10	11/04/05	10:30
HPJKP	011	SW-UPSTREAM	11/04/05	11:15
HPJKQ	012	SW-SECT 1	11/04/05	09:50
HPJKR	013	SW-SECT 2	11/03/05	15:00
HPJKV	014	SW-N POND	11/03/05	16:55
HPJKW	015	SW-S POND	11/03/05	16:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
-
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Scientech Inc

Client Sample ID: MW-1

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-001
Work Order: HPJKC
Matrix: WATER

Date Collected: 11/03/05 1320
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	2.8	U	2.4	3.6	11/07/05	11/11/05	5312186	
Gross Beta	**2.9**	**J**	1.3	2.0	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

J **Result is greater than sample detection limit but less than stated reporting limit.**
U **Result is less than the sample detection limit.**

Scientech Inc

Client Sample ID: MW-1 DUP

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-001X
Work Order: HPJKC
Matrix: WATER

Date Collected: 11/03/05 1320
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	2.0	U	2.2	3.4	11/07/05	11/11/05	5312186	
Gross Beta	2.4	J	1.4	2.2	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: MW-2

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-002
Work Order: HPJKD
Matrix: WATER

Date Collected: 11/03/05 1415
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD			pCi/L		900.0 MOD			
Gross Alpha	3.5		2.1	2.8	11/07/05	11/11/05	5312186	
Gross Beta	6.8		1.6	2.1	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

Scientech Inc

Client Sample ID: MW-3

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-003
Work Order: HPJKE
Matrix: WATER

Date Collected: 11/03/05 1450
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	1.1	U	1.8	3.1	11/07/05	11/11/05	5312186	
Gross Beta	2.9	J	1.4	2.1	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: MW-4

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-004
Work Order: HPJKG
Matrix: WATER

Date Collected: 11/03/05 1520
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				pCi/L	900.0 MOD			
Gross Alpha	5.6		3.4	4.7	11/07/05	11/11/05	5312186	
Gross Beta	4.3		1.5	2.2	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

Scientech Inc

Client Sample ID: MW-5

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-005
Work Order: HPJKH
Matrix: WATER

Date Collected: 11/03/05 1550
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	0.3	U	1.2	2.3	11/07/05	11/11/05	5312186	
Gross Beta	**9.0**		**1.8**	**2.0**	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: MW-6

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-006
Work Order: HPJKJ
Matrix: WATER

Date Collected: 11/03/05 1630
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	2.1	U	1.7	2.5	11/07/05	11/11/05	5312186	
Gross Beta	**5.7**		**1.5**	**2.0**	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: MW-7

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-007
Work Order: HPJKK
Matrix: WATER

Date Collected: 11/03/05 1650
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	1.8	U	2.3	3.7	11/07/05	11/11/05	5312186	
Gross Beta	**4.4**		1.7	2.5	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: MW-8

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-008
Work Order: HPJKL
Matrix: WATER

Date Collected: 11/04/05 0900
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	1.7	U	4.5	8.3	11/07/05	11/11/05	5312186	
Gross Beta	**22.2**		**7.7**	**11**	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: MW-9

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-009
Work Order: HPJKM
Matrix: WATER

Date Collected: 11/04/05 0945
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	4.2	U	3.4	5.0	11/07/05	11/11/05	5312186	
Gross Beta	3.3	U	2.4	3.8	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: MW-10

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-010
Work Order: HPJKN
Matrix: WATER

Date Collected: 11/04/05 1030
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	6.7	U	5.6	8.4	11/07/05	11/11/05	5312186	
Gross Beta	**16.9**		**4.6**	**6.1**	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: SW-UPSTREAM

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-011
Work Order: HPJKP
Matrix: WATER

Date Collected: 11/04/05 1115
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				pCi/L	900.0 MOD			
Gross Alpha	0.22	U	0.83	1.5	11/07/05	11/11/05	5312186	
Gross Beta	**3.0**	**J**	**1.3**	**1.9**	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

J **Result is greater than sample detection limit but less than stated reporting limit.**
U **Result is less than the sample detection limit.**

Scientech Inc

Client Sample ID: SW-SECT 1

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-012
Work Order: HPJKO
Matrix: WATER

Date Collected: 11/04/05 0950
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD			**pCi/L**		**900.0 MOD**			
Gross Alpha	1.7	U	2.2	3.5	11/07/05	11/11/05	5312186	
Gross Beta	3.2	J	1.3	2.0	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: SW-SECT 2

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-013
Work Order: HPJKR
Matrix: WATER

Date Collected: 11/03/05 1500
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	0.5	U	1.0	1.7	11/07/05	11/11/05	5312186	
Gross Beta	3.2	J	1.3	1.8	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: SW-N POND

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-014
Work Order: HPJKV
Matrix: WATER

Date Collected: 11/03/05 1655
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	3.4	U	2.7	4.1	11/07/05	11/11/05	5312186	
Gross Beta	3.4	J	1.4	2.0	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Scientech Inc

Client Sample ID: SW-S POND

Severn Trent Laboratories - Radiochemistry

Lab Sample ID: F5K070158-015
Work Order: HPJKW
Matrix: WATER

Date Collected: 11/03/05 1645
Date Received: 11/07/05 1215

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD				**pCi/L**	**900.0 MOD**			
Gross Alpha	2.8	U	3.5	5.7	11/07/05	11/11/05	5312186	
Gross Beta	**6.5**		**1.6**	**2.0**	**11/07/05**	**11/11/05**	**5312186**	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC

U Result is less than the sample detection limit.

METHOD BLANK REPORT

Severn Trent Laboratories - Radiochemistry

Client Lot ID: F5K070158
Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Lab Sample ID Batch #	Yld %
GROSS A/B BY GFPC EPA 900.0 MOD			**pCi/L**	**900.0 MOD**			**F5K080000-186B**	
Gross Alpha	0.40	U	0.64	1.1	11/07/05	11/11/05	5312186	
Gross Beta	-0.6	U	1.1	2.0	11/07/05	11/11/05	5312186	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined using instrument performance only
Bold results are greater than the MDC

U Result is less than the sample detection limit.

Laboratory Control Sample Report

Severn Trent Laboratories - Radiochemistry

Client Lot ID: F5K070158
Matrix: WATER

Parameter	Spike Amount	Result	Total Uncert. (2 σ+/-)	MDC	% Yld	% Rec	Lab Sample ID QC Control Limits
GROSS A/B BY GFPC EPA 900.0 MOD		**pCi/L**	**900.0 MOD**				**F5K080000-186C**
Gross Beta	104	92.6	9.9	1.9	89		(70 - 121)
	Batch #:	5312186		**Analysis Date:**	11/11/05		
GROSS A/B BY GFPC EPA 900.0 MOD		**pCi/L**	**900.0 MOD**				**F5K080000-186C**
Gross Alpha	51.4	40.0	5.3	1.2	78		(55 - 147)
	Batch #:	5312186		**Analysis Date:**	11/11/05		

NOTE(S)

MDC is determined by instrument performance only
Calculations are performed before rounding to avoid round-off error in calculated results

MATRIX SPIKE REPORT

Severn Trent Laboratories - Radiochemistry

Client Lot Id: F5K070158
Matrix: WATER

Date Sampled: 11/03/05
Date Received: 11/07/05

Parameter	Spike Amount	Spike Result	Total Uncert. (2σ +/-)	Spike Yld.	Sample Result	Total Uncert. (2 σ +/-)	QC Sample ID %YLD	QC Sample ID %REC	QC Control Limits
GROSS A/B BY GFPC EPA 900.0 MOD			**pCi/L**		**900.0 MOD**			**F5K070158-001**	
Gross Alpha	51.4	75	11		2.8	2.4		140	(31 - 150)
	Batch #:	5312186		Analysis Date:	11/11/05				

NOTE(S)

Data are incomplete without the case narrative.
Calculations are performed before rounding to avoid round-off errors in calculated results.

DUPLICATE EVALUATION REPORT

Severn Trent Laboratories - Radiochemistry

Client Lot ID: F5K070158
Matrix: WATER

Date Sampled: 11/03/05
Date Received: 11/07/05

Parameter	SAMPLE Result		Total Uncert. (2σ+/-)	% Yld	DUPLICATE Result		Total Uncert. (2 σ+/-)	% Yld	QC Sample ID Precision	
GROSS A/B BY GFPC EPA 900.0 MOD				pCi/L	900.0 MOD				F5K070158-001	
Gross Alpha	2.8	U	2.4		2.0	U	2.2		32	%RPD
Gross Beta	2.9	J	1.3		2.4	J	1.4		20	%RPD
	Batch #:		5312186 (Sample)		5312186 (Duplicate)					

NOTE(S)

Data are incomplete without the case narrative.
Calculations are performed before rounding to avoid round-off error in calculated results

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

ATTACHMENT C

Envirocare Well Sampling Field Logs

(10 pages)

MW-1

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-1	--	5.4	5.4	5.4	--	13.5	18.36					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	8.60	917.61	10	13.4	Steel/PVC	2	907.61	926.21		11/3/05	1:20

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
12:30	5.40	6.37	13.1	825	5.85	
12:35	5.40	6.39	12.7	8.35	2.75	
12:40	5.40	6.55	12.6	840	2.45	
12:45	5.40	6.56	12.6	846	2.10	
12:50	5.40	6.57	12.6	843	2.01	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

File: G:\DEPT020\23516-100 Whittaker\31069 (2290) Whittaker\DELVDSGN\Well Sampling (Nov 3-4, 2005)
Sheet: MW-1

MW-2

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-2	--	10.87	10.87	10.87	--		26.66					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	11.84	936.37	15	19.3	Steel/PVC	2	921.37	948.21		11/3/05	2:15

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
1:30	10.87	7.2		1050	3.30	
1:35	10.80	7.1		1030	1.70	
1:40	10.75	7.1		1020	1.59	
1:45	10.61	7.1		1015	1.47	
1:50	10.59	7.1		1009	1.45	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

MW-3

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF TEXAS, LTD.
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-3	--	1.23	1.23		--		16.34					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	6.44	920.55	10	11.3	Steel/PVC	2	910.55	926.99		11/3/05	2:50

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
2:15	1.23	6.3		740	3.40	
2:20	1.20	6.29		715	2.00	
2:30	1.19	6.27		707	1.71	
2:40	1.08	6.27		712	1.69	
2:50	1.00	6.27		710	1.68	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

MW-4

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-4	--	16.24	16.24		--		31.72					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	17.50	930.20	15	24.2	Steel/PVC	2	915.20	947.70		11/3/05	3:20

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
3:00	16.24	6.77		578	7.14	
3:05	16.19	6.79		652	2.39	
3:10	16.16	6.91		751	1.77	
3:15	16.09	7.01		759	1.71	
3:20	16.01	7.04		765	1.70	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

MW-5

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-5	--	6.79	6.79	6.79	--		22.24					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	7.29	920.36	15	14.8	Steel/PVC	2	905.07	927.36		11/3/05	3:50

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
3:35	6.79	6.8		570	4.79	
3:40	6.79	6.88		480	3.88	
3:45	6.79	6.91		470	3.86	
3:50	6.79	6.93		468	3.79	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

MW-6

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF PA II LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-6	--	20.51	20.51		--		31.32					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	16.70	931.33	15		Steel/PVC	2	916.33	948.03		11/3/05	4:30

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
4:10	20.51	6.7		1070	2.89	
4:15	20.49	6.69		1120	2.41	
4:20	20.41	6.63		1130	2.11	
4:25	20.38	6.59		1190	2.19	
4:30	20.33	6.56		1192	2.09	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

MW-7

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-7	--	4.24	4.24	4.36	--		14.12					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	4.60	923.80	10	9.2	Steel/PVC	2	913.80	928.40		11/3/05	4:50

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
4:30	4.24	6.72		879	5.69	
4:35	4.19	6.65		881	2.49	
4:40	4.15	6.69		899	1.78	
4:45	4.01	6.67		909	1.66	
4:50	3.99	6.66		915	1.69	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

MW-8

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-8	--	17.26	17.26	17.29	--		28.08					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	16.6	938.55	15	20.8	Steel/PVC	2	923.55	955.15		11/4/05	9:00

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
8:35	17.26	6.50		2490	6.30	
8:40	16.98	6.38		2430	6.10	
8:45	16.95	6.37		2429	2.20	
8:50	16.90	6.36		2420	2.30	
8:55	16.89	6.38		2415	2.31	
9:00	16.80	6.37		2419	2.10	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

MW-9

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-9	--	Free Flow	Free Flow	Free Flow	--		15.46					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	8.40	916.23	10	10.7	Steel/PVC	2	906.23	924.63		11/4/05	9:45

Time	DTW (ft)	pH	Temperature (^{0}C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
9:20	Free Flow	6.88		1430	3.70	
9:25	Free Flow	6.82		1420	2.45	
9:30	Free Flow	6.81		1390	1.90	
9:35	Free Flow	6.77		1385	1.86	
9:40	Free Flow	6.78		1382	1.60	
9:45	Free Flow	6.79		1386	1.40	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:
Could not get the water level due to free flowing water at the wellhead.

Prepared by:
Date:
Reviewed by:
Date:

MW-10

Groundwater Sampling Log

Project: Whittaker Corporation, Greenville, PA
Project Number: 23516-0100

Field Staff: Keith Shortsleeve

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Well ID	PID	Depth to Water Static (ft.)	Depth to Water Initial (ft.)	Depth to Water After (ft.)	Water Volume in Equip. (gal.)	Depth Pump Set (ft.)	Total Depth Previous (ft.)	Total Depth Final (ft.)	Date Pump in Well	Time Pump in Well	Time Pump Started	Time Pump Stopped
MW-10	--	21.11	21.11	23.30	--		31.3					

Tubing Type	Sampling Device	Depth to Screen	Screen Elevation	Screen Length	Mid-Screen Depth	Casing Type	Well Diameter	Well Bottom Elevation	Top of PVC Elevation	Average Pumping Rate	Date Sampled	Sample Time
Polyethylene	Bladder pump	7.29	933.83	15	23.8	Steel/PVC	2	918.83	951.12		11/4/05	10:30

Time	DTW (ft)	pH	Temperature (°C)	Specific Conductance (umhos/cm)	Dissolved Oxygen (mg/kg)	Turbidity (NTU)
10:10	21.11	6.71		1515	8.01	
10:15	21.01	6.62		1516	6.22	
10:20	20.95	6.61		1492	5.98	
10:25	20.41	6.61		1488	5.44	
10:30	20.40	6.61		1480	5.32	

Notes: The EPA Method (EPA/540/S-95/504 April, 1996) suggests stabilization of field parameters for three successive readings:
+ or - 0.1 for pH
+ or - 3% for Specific Conductivity - SC
+ or - 10% for Dissolved Oxygen - DO
* Unable to achieve minimum drawdown of <0.3 feet at these wells in accordance with work plan submitted to the Pennsylvania Department of Environmental Protection. Three well volumes were removed prior to sampling.

Readings taken at 3 minute intervals.

Comments:

Prepared by:
Date:
Reviewed by:
Date:

ATTACHEMENT D

Envirocare Chain-of-Custody Forms

(2 pages)

Chain of Custody Record

3 Airbills - 5 Coolers
8528-3268-9486
8528 3268-9501
8528-~~9497~~ 3268 -9497

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Envirocare of Utah LLC	Rich Moss	~~11~~ 11-4-05	225079
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
143 West Street	860-210-3067		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
New Milford / CT / 06776	Pat Harkman	Ed Kao	
Project Name and Location (State)	**Carrier/Waybill Number**		
Whittaker, Transfer PA			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: Gross Alpha	Gross Beta	Special Instructions/ Conditions of Receipt
MW-1	11-3-05	1:20		✓									✓	✓	IF Gross Alpha is
MW-2	↓	2:15		✓									✓	✓	>15 pCi/L, or
MW-3		2:50		✓									✓	✓	Gross Beta is
MW-4		3:20		✓									✓	✓	>50 pCi/L then
MW-5		3:50		✓									✓	✓	analyze for
MW-6		4:30		✓									✓	✓	Isotopic U & Th
MW-7	↓	4:50		✓									✓	✓	and Gamma Spec
MW-8	11-4-05	9:00		✓									✓	✓	
MW-9	↓	9:45		✓									✓	✓	
MW-10	↓	10:30		✓									✓	✓	
SW-Upstream	11-4-05	11:15		✓									✓	✓	Contact:
SW-Sect1	11-4-05	9:50		✓									✓	✓	Keith Shatzleen

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Keith Shatzleen	11-4-05	3:00 pm	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

3 Airbills - 3 Coolers

8528-3268-9496

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Envirocare of Utah, LLC	Rich Mess	11-4-05	225080
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
143 West Street	860-210-3067		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
New Milford / CT / 06776	Pat Workman	Ed Kaz	
Project Name and Location (State)	**Carrier/Waybill Number**		
Whitlake Transfer, PA	8528-3268-9501 8528-3268-9497		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Gross Alpha	Gross Beta	Special Instructions/ Conditions of Receipt
SW-SECT2	11-3-05	3:00		✓					✓				✓	✓	IF Gross Alpha is
SW-NPOND	↓	4:55		✓					✓				✓	✓	>15 pCi/L, or
SW-SPOND	↓	4:45		✓					✓				✓	✓	Gross Beta is
															>50pCi/L, then
															Analyze for
															Isotopic U, and
															Isotopic Th and
															Gamma Spec
															Contact:
															Keith Swartsley
															860-210-3081

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	11-4-05	3:00 pm	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

ATTACHEMENT E

Fence Line Radiological Surveys and Map

(3 pages)

Survey Data Sheet

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Project Title: Whittaker D&D Project "05"
Survey Type: Survey Fenceline
Date: 11/07/05

Meter:
Model: 2221
Serial #: 176956
Background: 8800 cpm

Probe:
Model: 44-10
Serial #: 207829

Fence Post #	gcpm (k)	notes	Fence Post #	gcpm (k)	notes	Fence Post #	gcpm (k)	notes	Fence Post #	gcpm (k)	notes
132	10	chain link	173	14		217	7		1	14	north gate
133	10		174	15		218	7		2	14	
134	10		175	12		219	7		3	14	
135	12		176	13		220	7		4	16	
136	12		177	13		221	7		5	18	
137	12		178	14		222	7		6	19	
138	11		179	9	top corner	223	7		7	19	
139	10		180	9	chain link	224	7		8	18	
140	13		181	9		225	7		9	15	NW corner
141	13		182	8		226	7		10	12	
142	11	old SE corner	183	8		227	7		11	28	
143	9	start new chain	184	8		228	7		12	28	
144	8	link fence	185	11	bottom corner	229	7		13	31	
145	7		186	18		230	7		14	34	
146	6		187	20		231	7		15	38	
147	7	SE corner	188	10		232	7		16	43	
148	7		189	10		233	7		17	46	
149	10		190	9		234	7		18	53	
150	12		191	9		235	7		19	58	
151	13		192	9		236	7		20	69	~70 uR/hr
152	11		193	12		237	7				
153	12		194	23		238	7				
154	10		195	16		239	7				
155	9		196	13		240	7				
156	10	stream	197	11		241	7				
156A	10	stream	198	10	new east gate	242	7				
156B	10		199	9		243	7				
156C	12		200	10		244	7				
157	12	old SE gate	201	22		245	7				
158	11	barbed wire	202	18		246	7				
159	12		203	10		247	7				
160	12		204	14		248	7				
161	10		205	12		249	7				
162	10		206	10		250	7				
163	10		207	10		251	7				
164	10	hill crest	208	10		252	7				
165	10		209	10		253	7				
166	10		210	8		254	7				
167	10	stream	211	8		255	7				
168	10	stream	212	8		256	7				
169	10		213	8	end chain link	257	7	NE Gate			
170	10		214	8	barbed wire	258	7	NE gate			
171	10		215	8		259	7				
172	16		216	8		260	7	NE corner			

11 -20: High dose rates due to the presence of the LLRW stockpile on the Section 3 pad east of the fense.

Individual Completing Form: Jim Lavender Date: 11/7/2005

Reviewed By: Kevin Taylor Date: 11/21/2005

Survey Data Sheet

ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

Project Title: Whittaker Fenceline Survey
Survey Type: Ground level survey
Survey Location: Outside "Downslope" Perimeter Fencing
Date: 12/16/04

Meter:
Model: L-2221
Serial #: 73687
Background: 8261 cpm

Probe:
Model: SPA-3
Serial #: 407472

Fence Post #	gcpm (K)	notes	Fence Post #	gcpm (K)	notes	Fence Post #	gcpm (K)	notes	Fence Post#	gcpm (K)	notes
132	11	chain link	173	14		217	9		1	10	north gate
133	9		174	13		218	9		2	10	
134	7		175	12		219	8		3	12	
135	9		176	12		220	8		4	10	
136	11		177	11		221	7		5	12	
137	10		178	18		222	8		6	15	
138	11		179	12	top corner	223	7		7	10	
139	10		180	12	chain link	224	7		8	16	
140	12		181	10		225	8		9	10	NW corner
141	12		182	10		226	8		10	10	
142	11	old SE corner	183	12		227	7		11	10	
143	10	start new chain	184	11		228	7		12	9	
144	9	link fence	185	10	bottom corner	229	7		13	10	
145	7		186	10		230	7		14	10	
146	7		187	10		231	7		15	12	
147	6	SE corner	188	15		232	7		16	12	
148	7		189	14		233	7		17	11	
149	12		190	18		234	7		18	12	
150	11		191	22		235	7		19	12	
151	11		192	53		236	7		20	11	
152	11		193	68		237	7				
153	10		194	32		238	7				
154	10		195	47		239	7				
155	9		196	20		240	7				
156	10	stream	197	18		241	7				
156A	11	stream	198	16	new east gate	242	7				
156B	10		199	18		243	7				
156C	10		200	17		244	7				
157	11	old SE gate	201	15		245	7				
158	12	barbed wire	202	16		246	7				
159	10		203	14		247	7				
160	9		204	12		248	7				
161	9		205	14		249	7				
162	8		206	12		250	7				
163	9		207	12		251	7				
164	9	hill crest	208	12		252	7				
165	10		209	10		253	7				
166	10		210	12		254	7				
167	10	stream	211	10		255	7				
168	10	stream	212	10		256	7				
169	11		213	12	end chain link	257	7	NE Gate			
170	10		214	10	barbed wire	258	7	NE gate			
171	12		215	9		259	7				
172	14		216	9		260	7	NE corner			

Individual Completing Form: James Lavender Date: 12/16/2004

Reviewed By: Kevin Taylor Date: 12/16/2004