HIP - __128__

GENERAL CORRESPONDENCE

YEAR(S): 2013 to Present

Jones, Brad A., EMNRD

From: White, James <JAGWHITE@eprod.com>
Sent: Monday, December 30, 2013 8:34 AM
To: Jones, Brad A., EMNRD
Cc: Bates, Ricky; 'Leland "Luke" Davis (luke1d@msn.com)'; Seale, Runell; Heap, James; Thompson, Roger; Anderson, Don; Theresa Ancell; Eileen L. Shannon (EShannon@kleinfelder.com); Barbara Everett; Sartor, Rodney; White, James
Subject: FW: WEP III, Segment 7 - Analytical Results
Attachments: Segment 7_post hydro test.pdf

Brad,

Please find attached post-hydrostatic test analyticals for WEP III, Segment 7. Manganese is recorded at 0.25 mg/L and the regulatory limit is 0.20 mg/L. From what I can tell, Mn is the sole constituent that is out of limits of 20.6.2.3103 and background analytical. Enterprise is hauling Segment 7 hydrotest water to an NMOCD-approved disposal facility.

Happy New Year and hope you had a good Christmas,
Jimmy

From: Theresa Ancell [mailto:tancell@hrlcomp.com]
Sent: Saturday, December 28, 2013 11:00 AM
To: White, James
Subject: Segment 7 - Analytical Results

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 27, 2013

Kay Lambert
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505
TEL: (970) 243-3271
FAX

RE: Enterprise WEP III Water Sampling OrderNo.: 1312810

Dear Kay Lambert:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/17/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Seg. 7 post hydro test
Project: Enterprise WEP III Water Sampling
Collection Date: 12/17/2013 9:30:00 AM
Lab ID: 1312810-001 **Matrix:** AQUEOUS **Received Date:** 12/17/2013 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB						Analyst: **LRW**	
1,2-Dibromoethane	ND	0.010		µg/L	1	12/18/2013 7:00:15 PM	10868
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	12/21/2013 10:27:04 PM	10908
Aroclor 1221	ND	1.0		µg/L	1	12/21/2013 10:27:04 PM	10908
Aroclor 1232	ND	1.0		µg/L	1	12/21/2013 10:27:04 PM	10908
Aroclor 1242	ND	1.0		µg/L	1	12/21/2013 10:27:04 PM	10908
Aroclor 1248	ND	1.0		µg/L	1	12/21/2013 10:27:04 PM	10908
Aroclor 1254	ND	1.0		µg/L	1	12/21/2013 10:27:04 PM	10908
Aroclor 1260	ND	1.0		µg/L	1	12/21/2013 10:27:04 PM	10908
Surr: Decachlorobiphenyl	82.8	17-123		%REC	1	12/21/2013 10:27:04 PM	10908
Surr: Tetrachloro-m-xylene	71.2	22.6-113		%REC	1	12/21/2013 10:27:04 PM	10908
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	12/22/2013 10:08:17 PM	10909
1-Methylnaphthalene	ND	2.0		µg/L	1	12/22/2013 10:08:17 PM	10909
2-Methylnaphthalene	ND	2.0		µg/L	1	12/22/2013 10:08:17 PM	10909
Acenaphthylene	ND	2.5		µg/L	1	12/22/2013 10:08:17 PM	10909
Acenaphthene	ND	5.0		µg/L	1	12/22/2013 10:08:17 PM	10909
Fluorene	ND	0.80		µg/L	1	12/22/2013 10:08:17 PM	10909
Phenanthrene	ND	0.60		µg/L	1	12/22/2013 10:08:17 PM	10909
Anthracene	ND	0.60		µg/L	1	12/22/2013 10:08:17 PM	10909
Fluoranthene	ND	0.30		µg/L	1	12/22/2013 10:08:17 PM	10909
Pyrene	ND	0.30		µg/L	1	12/22/2013 10:08:17 PM	10909
Benz(a)anthracene	ND	0.070		µg/L	1	12/22/2013 10:08:17 PM	10909
Chrysene	ND	0.20		µg/L	1	12/22/2013 10:08:17 PM	10909
Benzo(b)fluoranthene	ND	0.10		µg/L	1	12/22/2013 10:08:17 PM	10909
Benzo(k)fluoranthene	ND	0.070		µg/L	1	12/22/2013 10:08:17 PM	10909
Benzo(a)pyrene	ND	0.070		µg/L	1	12/22/2013 10:08:17 PM	10909
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	12/22/2013 10:08:17 PM	10909
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	12/22/2013 10:08:17 PM	10909
Indeno(1,2,3-cd)pyrene	ND	0.25		µg/L	1	12/22/2013 10:08:17 PM	10909
Surr: Benzo(e)pyrene	48.1	24.5-139		%REC	1	12/22/2013 10:08:17 PM	10909
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	0.99	0.50		mg/L	5	12/19/2013 12:04:31 AM	R15603
Chloride	37	2.5		mg/L	5	12/19/2013 12:04:31 AM	R15603
Nitrogen, Nitrate (As N)	3.8	0.50		mg/L	5	12/19/2013 12:04:31 AM	R15603
Sulfate	86	2.5		mg/L	5	12/19/2013 12:04:31 AM	R15603
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Seg. 7 post hydro test
Project: Enterprise WEP III Water Sampling
Collection Date: 12/17/2013 9:30:00 AM
Lab ID: 1312810-001 **Matrix:** AQUEOUS **Received Date:** 12/17/2013 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Aluminum	ND	0.020		mg/L	1	12/18/2013 12:56:33 PM	R15576
Barium	0.046	0.0020		mg/L	1	12/18/2013 12:56:33 PM	R15576
Boron	0.16	0.040		mg/L	1	12/18/2013 12:56:33 PM	R15576
Cadmium	ND	0.0020		mg/L	1	12/18/2013 12:56:33 PM	R15576
Chromium	ND	0.0060		mg/L	1	12/18/2013 12:56:33 PM	R15576
Cobalt	ND	0.0060		mg/L	1	12/18/2013 12:56:33 PM	R15576
Copper	ND	0.0060		mg/L	1	12/18/2013 12:56:33 PM	R15576
Iron	0.25	0.020		mg/L	1	12/18/2013 12:56:33 PM	R15576
Lead	ND	0.0050		mg/L	1	12/19/2013 12:46:58 PM	R15612
Manganese	0.25	0.0020	*	mg/L	1	12/18/2013 12:56:33 PM	R15576
Molybdenum	ND	0.0080		mg/L	1	12/18/2013 12:56:33 PM	R15576
Nickel	ND	0.010		mg/L	1	12/18/2013 12:56:33 PM	R15576
Silver	ND	0.0050		mg/L	1	12/18/2013 12:56:33 PM	R15576
Zinc	0.023	0.010		mg/L	1	12/18/2013 12:56:33 PM	R15576
EPA 200.8: DISSOLVED METALS						Analyst: **DBD**	
Arsenic	ND	0.0010		mg/L	1	12/18/2013 1:34:31 PM	R15580
Selenium	0.0039	0.0010		mg/L	1	12/18/2013 1:34:31 PM	R15580
Uranium	0.0028	0.0010		mg/L	1	12/18/2013 1:34:31 PM	R15580
EPA METHOD 245.1: MERCURY						Analyst: **TES**	
Mercury	ND	0.00020		mg/L	1	12/23/2013 4:03:02 PM	10951
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Toluene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Ethylbenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Naphthalene	ND	2.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1-Methylnaphthalene	ND	4.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
2-Methylnaphthalene	ND	4.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Acetone	ND	10		µg/L	1	12/19/2013 7:15:51 PM	R15623
Bromobenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Bromodichloromethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Bromoform	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Bromomethane	ND	3.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
2-Butanone	ND	10		µg/L	1	12/19/2013 7:15:51 PM	R15623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Seg. 7 post hydro test
Project: Enterprise WEP III Water Sampling
Collection Date: 12/17/2013 9:30:00 AM
Lab ID: 1312810-001
Matrix: AQUEOUS
Received Date: 12/17/2013 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Carbon disulfide	ND	10		µg/L	1	12/19/2013 7:15:51 PM	R15623
Carbon Tetrachloride	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Chlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Chloroethane	ND	2.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Chloroform	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Chloromethane	ND	3.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
2-Chlorotoluene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
4-Chlorotoluene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
cis-1,2-DCE	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Dibromochloromethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Dibromomethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,1-Dichloroethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,1-Dichloroethene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2-Dichloropropane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,3-Dichloropropane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
2,2-Dichloropropane	ND	2.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,1-Dichloropropene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Hexachlorobutadiene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
2-Hexanone	ND	10		µg/L	1	12/19/2013 7:15:51 PM	R15623
Isopropylbenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
4-Isopropyltoluene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
4-Methyl-2-pentanone	ND	10		µg/L	1	12/19/2013 7:15:51 PM	R15623
Methylene Chloride	ND	3.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
n-Butylbenzene	ND	3.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
n-Propylbenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
sec-Butylbenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Styrene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
tert-Butylbenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
trans-1,2-DCE	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Seg. 7 post hydro test
Project: Enterprise WEP III Water Sampling
Collection Date: 12/17/2013 9:30:00 AM
Lab ID: 1312810-001 **Matrix:** AQUEOUS **Received Date:** 12/17/2013 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Trichlorofluoromethane	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Vinyl chloride	ND	1.0		µg/L	1	12/19/2013 7:15:51 PM	R15623
Xylenes, Total	ND	1.5		µg/L	1	12/19/2013 7:15:51 PM	R15623
Surr: 1,2-Dichloroethane-d4	88.7	70-130		%REC	1	12/19/2013 7:15:51 PM	R15623
Surr: 4-Bromofluorobenzene	85.8	70-130		%REC	1	12/19/2013 7:15:51 PM	R15623
Surr: Dibromofluoromethane	90.5	70-130		%REC	1	12/19/2013 7:15:51 PM	R15623
Surr: Toluene-d8	97.4	70-130		%REC	1	12/19/2013 7:15:51 PM	R15623
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	ND	2.5		µg/L	1	12/19/2013	10893
SM4500-H+B: PH						Analyst: **SRM**	
pH	7.77	1.68	H	pH units	1	12/19/2013 2:16:10 PM	R15632
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	394	40.0		mg/L	1	12/23/2013 6:23:00 PM	10930

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: TRIP BLANK
Project: Enterprise WEP III Water Sampling
Collection Date:
Lab ID: 1312810-002
Matrix: TRIP BLANK
Received Date: 12/17/2013 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB						Analyst: **LRW**	
1,2-Dibromoethane	ND	0.010		µg/L	1	12/18/2013 7:55:17 PM	10868
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Toluene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Ethylbenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Naphthalene	ND	2.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1-Methylnaphthalene	ND	4.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
2-Methylnaphthalene	ND	4.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Acetone	ND	10		µg/L	1	12/19/2013 7:47:49 PM	R15623
Bromobenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Bromodichloromethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Bromoform	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Bromomethane	ND	3.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
2-Butanone	ND	10		µg/L	1	12/19/2013 7:47:49 PM	R15623
Carbon disulfide	ND	10		µg/L	1	12/19/2013 7:47:49 PM	R15623
Carbon Tetrachloride	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Chlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Chloroethane	ND	2.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Chloroform	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Chloromethane	ND	3.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
2-Chlorotoluene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
4-Chlorotoluene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
cis-1,2-DCE	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Dibromochloromethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Dibromomethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,1-Dichloroethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,1-Dichloroethene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2-Dichloropropane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- O RSD is greater than RSDlimit
- P Sample pH greater than 2 for VOA and TOC only.
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: TRIP BLANK
Project: Enterprise WEP III Water Sampling
Collection Date:
Lab ID: 1312810-002
Matrix: TRIP BLANK
Received Date: 12/17/2013 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,3-Dichloropropane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
2,2-Dichloropropane	ND	2.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,1-Dichloropropene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Hexachlorobutadiene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
2-Hexanone	ND	10		µg/L	1	12/19/2013 7:47:49 PM	R15623
Isopropylbenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
4-Isopropyltoluene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
4-Methyl-2-pentanone	ND	10		µg/L	1	12/19/2013 7:47:49 PM	R15623
Methylene Chloride	ND	3.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
n-Butylbenzene	ND	3.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
n-Propylbenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
sec-Butylbenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Styrene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
tert-Butylbenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
trans-1,2-DCE	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Trichlorofluoromethane	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Vinyl chloride	ND	1.0		µg/L	1	12/19/2013 7:47:49 PM	R15623
Xylenes, Total	ND	1.5		µg/L	1	12/19/2013 7:47:49 PM	R15623
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%REC	1	12/19/2013 7:47:49 PM	R15623
Surr: 4-Bromofluorobenzene	81.1	70-130		%REC	1	12/19/2013 7:47:49 PM	R15623
Surr: Dibromofluoromethane	96.9	70-130		%REC	1	12/19/2013 7:47:49 PM	R15623
Surr: Toluene-d8	102	70-130		%REC	1	12/19/2013 7:47:49 PM	R15623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	131219044
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1312810
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	131219044-001	**Sampling Date**	12/17/2013	**Date/Time Received**	12/19/2013 1:25 PM
Client Sample ID	1312810-001I / SEG. 7 POST HYDRO TEST	**Sampling Time**	9:30 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	12/23/2013	ETL	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R15576**	RunNo: **15576**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448293** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	ND	0.020								
Barium	ND	0.0020								
Boron	ND	0.040								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Cobalt	ND	0.0060								
Copper	ND	0.0060								
Iron	ND	0.020								
Manganese	ND	0.0020								
Molybdenum	ND	0.0080								
Nickel	ND	0.010								
Silver	ND	0.0050								
Zinc	ND	0.010								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R15576**	RunNo: **15576**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448294** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.55	0.020	0.5000	0	110	85	115			
Barium	0.50	0.0020	0.5000	0	100	85	115			
Boron	0.52	0.040	0.5000	0	103	85	115			
Cadmium	0.51	0.0020	0.5000	0	101	85	115			
Chromium	0.52	0.0060	0.5000	0	104	85	115			
Cobalt	0.49	0.0060	0.5000	0	98.9	85	115			
Copper	0.49	0.0060	0.5000	0	98.1	85	115			
Iron	0.54	0.020	0.5000	0	107	85	115			
Manganese	0.52	0.0020	0.5000	0	104	85	115			
Molybdenum	0.51	0.0080	0.5000	0	102	85	115			
Nickel	0.49	0.010	0.5000	0	98.2	85	115			
Silver	0.10	0.0050	0.1000	0	101	85	115			
Zinc	0.49	0.010	0.5000	0	98.8	85	115			

Sample ID **1311866-001EMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **R15576**	RunNo: **15576**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448296** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.67	0.040	0.5000	0.1238	110	70	130			
Cobalt	0.49	0.0060	0.5000	0	98.9	70	130			

Qualifiers:

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **1311866-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **R15576**	RunNo: **15576**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448297** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.66	0.040	0.5000	0.1238	108	70	130	1.70	20	
Cobalt	0.48	0.0060	0.5000	0	96.7	70	130	2.22	20	

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R15612**	RunNo: **15612**
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **449740** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	ND	0.0050								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R15612**	RunNo: **15612**
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **449741** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.51	0.0050	0.5000	0	101	85	115			

Qualifiers:

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- B Analyte detected in the associated Method Blank
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- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R15580**	RunNo: **15580**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448397** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.026	0.0010	0.02500	0	105	85	115			
Selenium	0.026	0.0010	0.02500	0	103	85	115			
Uranium	0.026	0.0010	0.02500	0	105	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R15580**	RunNo: **15580**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448398** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Sample ID **1312810-001GMS**	SampType: **MS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **Seg. 7 post hydro te**	Batch ID: **R15580**	RunNo: **15580**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448849** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.026	0.0010	0.02500	0.0004105	103	70	130			
Selenium	0.029	0.0010	0.02500	0.003938	99.5	70	130			
Uranium	0.028	0.0010	0.02500	0.002848	102	70	130			

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R15580**	RunNo: **15580**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448851** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.026	0.0010	0.02500	0	104	85	115			
Selenium	0.026	0.0010	0.02500	0	106	85	115			
Uranium	0.026	0.0010	0.02500	0	103	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R15580**	RunNo: **15580**
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **448852** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Qualifiers:

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10951**	SampType: **MBLK**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **PBW**	Batch ID: **10951**	RunNo: **15753**
Prep Date: **12/23/2013**	Analysis Date: **12/23/2013**	SeqNo: **454785** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID **LCS-10951**	SampType: **LCS**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **LCSW**	Batch ID: **10951**	RunNo: **15753**
Prep Date: **12/23/2013**	Analysis Date: **12/23/2013**	SeqNo: **454786** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0052	0.00020	0.005000	0	103	80	120			

Sample ID **1312785-007BMS**	SampType: **MS**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **BatchQC**	Batch ID: **10951**	RunNo: **15753**
Prep Date: **12/23/2013**	Analysis Date: **12/23/2013**	SeqNo: **454792** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0049	0.00020	0.005000	0.0001573	94.0	75	125			

Sample ID **1312785-007BMSD**	SampType: **MSD**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **BatchQC**	Batch ID: **10951**	RunNo: **15753**
Prep Date: **12/23/2013**	Analysis Date: **12/23/2013**	SeqNo: **454793** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0049	0.00020	0.005000	0.0001573	94.4	75	125	0.401	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449312**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.4	0.10	2.400	0	100	90	110			
Chloride	12	0.50	12.00	0	101	90	110			
Nitrogen, Nitrate (As N)	7.8	0.10	7.200	0	108	90	110			
Sulfate	31	0.50	30.00	0	103	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449314**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449315**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.50	0.10	0.5000	0	101	90	110			
Chloride	4.7	0.50	5.000	0	93.5	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.0	90	110			
Sulfate	9.6	0.50	10.00	0	95.6	90	110			

Sample ID **1312857-001AMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449317**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.92	0.10	0.5000	0	185	76.4	109			S

Sample ID **1312857-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449318**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.94	0.10	0.5000	0	188	76.4	109	1.53	20	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
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- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
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- P Sample pH greater than 2 for VOA and TOC only.
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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449324**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	1.000	0	99.6	90	110			
Chloride	4.7	0.50	5.000	0	93.2	90	110			
Nitrogen, Nitrate (As N)	2.9	0.10	3.000	0	98.0	90	110			
Sulfate	12	0.50	12.50	0	94.5	90	110			

Sample ID **1312823-001BMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449331**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.92	0.10	0.5000	0.4554	93.8	76.4	109			
Chloride	7.9	0.50	5.000	3.026	96.7	90.1	116			
Nitrogen, Nitrate (As N)	3.0	0.10	2.500	0.5309	101	93.8	111			

Sample ID **1312823-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449332**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.94	0.10	0.5000	0.4554	96.1	76.4	109	1.25	20	
Chloride	7.9	0.50	5.000	3.026	96.5	90.1	116	0.131	20	
Nitrogen, Nitrate (As N)	3.0	0.10	2.500	0.5309	100	93.8	111	0.256	20	

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449336**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	1.600	0	99.1	90	110			
Chloride	7.8	0.50	8.000	0	97.1	90	110			
Nitrogen, Nitrate (As N)	5.0	0.10	4.800	0	103	90	110			
Sulfate	20	0.50	20.00	0	98.5	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449348**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.5	0.10	2.400	0	102	90	110			
Chloride	12	0.50	12.00	0	102	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/18/2013**	SeqNo: **449348**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	7.8	0.10	7.200	0	109	90	110			
Sulfate	31	0.50	30.00	0	103	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **449360**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	1.000	0	99.7	90	110			
Chloride	4.7	0.50	5.000	0	93.6	90	110			
Nitrogen, Nitrate (As N)	3.0	0.10	3.000	0	98.4	90	110			
Sulfate	12	0.50	12.50	0	95.1	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **449372**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	1.600	0	100	90	110			
Chloride	7.7	0.50	8.000	0	96.7	90	110			
Nitrogen, Nitrate (As N)	4.9	0.10	4.800	0	103	90	110			
Sulfate	20	0.50	20.00	0	98.2	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R15603**	RunNo: **15603**							
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **449384**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.4	0.10	2.400	0	102	90	110			
Chloride	12	0.50	12.00	0	102	90	110			
Nitrogen, Nitrate (As N)	7.8	0.10	7.200	0	109	90	110			
Sulfate	31	0.50	30.00	0	103	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10868**	SampType: **MBLK**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW**	Batch ID: **10868**	RunNo: **15596**
Prep Date: **12/18/2013**	Analysis Date: **12/18/2013**	SeqNo: **449514** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Sample ID **LCS-10868**	SampType: **LCS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW**	Batch ID: **10868**	RunNo: **15596**
Prep Date: **12/18/2013**	Analysis Date: **12/18/2013**	SeqNo: **449515** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.10	0.010	0.1000	0	102	70	130			

Sample ID **1312810-001BMS**	SampType: **MS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **Seg. 7 post hydro te**	Batch ID: **10868**	RunNo: **15596**
Prep Date: **12/18/2013**	Analysis Date: **12/18/2013**	SeqNo: **449572** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.13	0.010	0.1000	0	131	52	149			

Sample ID **1312810-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **Seg. 7 post hydro te**	Batch ID: **10868**	RunNo: **15596**
Prep Date: **12/18/2013**	Analysis Date: **12/18/2013**	SeqNo: **449573** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.12	0.010	0.1000	0	117	52	149	11.3	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
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- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1312810**

Hall Environmental Analysis Laboratory, Inc.

27-Dec-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III Water Sampling

Sample ID **MB-10908**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **10908**	RunNo: **15670**
Prep Date: **12/19/2013**	Analysis Date: **12/21/2013**	SeqNo: **451850** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	2.2		2.500		86.4	17	123			
Surr: Tetrachloro-m-xylene	2.1		2.500		84.4	22.6	113			

Sample ID **LCS-10908**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **10908**	RunNo: **15670**
Prep Date: **12/19/2013**	Analysis Date: **12/21/2013**	SeqNo: **451852** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	4.0	1.0	5.000	0	80.4	18.6	134			
Aroclor 1260	4.9	1.0	5.000	0	97.0	35.7	137			
Surr: Decachlorobiphenyl	2.2		2.500		86.8	17	123			
Surr: Tetrachloro-m-xylene	2.1		2.500		84.4	22.6	113			

Sample ID **1312810-001DMS**	SampType: **MS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **Seg. 7 post hydro te**	Batch ID: **10908**	RunNo: **15670**
Prep Date: **12/19/2013**	Analysis Date: **12/21/2013**	SeqNo: **451858** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.1	1.0	5.000	0	61.6	70	130			S
Aroclor 1260	3.9	1.0	5.000	0	78.6	61.1	129			
Surr: Decachlorobiphenyl	1.9		2.500		77.2	17	123			
Surr: Tetrachloro-m-xylene	1.6		2.500		65.6	22.6	113			

Sample ID **1312810-001DMSD**	SampType: **MSD**	TestCode: **EPA Method 8082: PCB's**
Client ID: **Seg. 7 post hydro te**	Batch ID: **10908**	RunNo: **15670**
Prep Date: **12/19/2013**	Analysis Date: **12/21/2013**	SeqNo: **451859** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.3	1.0	5.000	0	66.4	70	130	7.50	20	S
Aroclor 1260	4.3	1.0	5.000	0	85.1	61.1	129	7.96	12.9	
Surr: Decachlorobiphenyl	2.1		2.500		83.6	17	123	0	0	
Surr: Tetrachloro-m-xylene	1.8		2.500		70.4	22.6	113	0	0	

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R15623**	RunNo: **15623**
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **450291** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

Qualifiers:

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- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
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- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R15623**	RunNo: **15623**
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **450291** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.5	70	130			
Surr: 4-Bromofluorobenzene	8.2		10.00		82.0	70	130			
Surr: Dibromofluoromethane	9.6		10.00		95.5	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **100ngIcs,200ngacac**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R15623**	RunNo: **15623**
Prep Date:	Analysis Date: **12/19/2013**	SeqNo: **450295** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	21	1.0	20.00	0	104	82.2	124			
Chlorobenzene	19	1.0	20.00	0	97.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **100nglcs,200ngacac** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **LCSW** Batch ID: **R15623** RunNo: **15623**

Prep Date: Analysis Date: **12/19/2013** SeqNo: **450295** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	25	1.0	20.00	0	126	83.5	155			
Trichloroethene (TCE)	18	1.0	20.00	0	89.3	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.6	70	130			
Surr: 4-Bromofluorobenzene	8.3		10.00		82.8	70	130			
Surr: Dibromofluoromethane	8.3		10.00		83.3	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Qualifiers:

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- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10909**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **10909**	RunNo: **15674**
Prep Date: **12/19/2013**	Analysis Date: **12/22/2013**	SeqNo: **451947** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	2.0								
2-Methylnaphthalene	ND	2.0								
Acenaphthylene	ND	2.5								
Acenaphthene	ND	5.0								
Fluorene	ND	0.80								
Phenanthrene	ND	0.60								
Anthracene	ND	0.60								
Fluoranthene	ND	0.30								
Pyrene	ND	0.30								
Benz(a)anthracene	ND	0.070								
Chrysene	ND	0.20								
Benzo(b)fluoranthene	ND	0.10								
Benzo(k)fluoranthene	ND	0.070								
Benzo(a)pyrene	ND	0.070								
Dibenz(a,h)anthracene	ND	0.12								
Benzo(g,h,i)perylene	ND	0.12								
Indeno(1,2,3-cd)pyrene	ND	0.25								
Surr: Benzo(e)pyrene	28		20.00		138	24.5	139			

Sample ID **LCS-10909**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **10909**	RunNo: **15674**
Prep Date: **12/19/2013**	Analysis Date: **12/22/2013**	SeqNo: **451949** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	42	2.0	80.00	0	53.0	43.8	96.9			
1-Methylnaphthalene	35	2.0	80.20	0	43.9	41.3	87.3			
2-Methylnaphthalene	32	2.0	80.00	0	40.3	36.6	89.6			
Acenaphthylene	46	2.5	80.20	0	57.7	43.6	103			
Acenaphthene	36	5.0	80.00	0	44.9	42.4	87.6			
Fluorene	3.8	0.80	8.020	0	47.0	40.5	93.6			
Phenanthrene	2.3	0.60	4.020	0	57.5	43.9	111			
Anthracene	2.3	0.60	4.020	0	56.7	44.3	103			
Fluoranthene	4.7	0.30	8.020	0	58.9	43.5	109			
Pyrene	4.8	0.30	8.020	0	60.0	32.6	103			
Benz(a)anthracene	0.47	0.070	0.8020	0	58.6	43	114			
Chrysene	2.2	0.20	4.020	0	55.5	40.2	100			
Benzo(b)fluoranthene	0.53	0.10	1.002	0	52.9	44.4	118			
Benzo(k)fluoranthene	0.30	0.070	0.5000	0	60.0	41.5	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS-10909** SampType: **LCS** TestCode: **EPA Method 8310: PAHs**

Client ID: **LCSW** Batch ID: **10909** RunNo: **15674**

Prep Date: **12/19/2013** Analysis Date: **12/22/2013** SeqNo: **451949** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.30	0.070	0.5020	0	59.8	34.5	118			
Dibenz(a,h)anthracene	0.60	0.12	1.002	0	59.9	38.3	107			
Benzo(g,h,i)perylene	0.57	0.12	1.000	0	57.0	38.4	110			
Indeno(1,2,3-cd)pyrene	1.3	0.25	2.004	0	66.4	42.4	113			
Surr: Benzo(e)pyrene	15		20.00		76.8	24.5	139			

Sample ID **1312810-001DMS** SampType: **MS** TestCode: **EPA Method 8310: PAHs**

Client ID: **Seg. 7 post hydro te** Batch ID: **10909** RunNo: **15674**

Prep Date: **12/19/2013** Analysis Date: **12/22/2013** SeqNo: **451955** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	42	2.0	80.00	0	52.1	70	130			S
1-Methylnaphthalene	36	2.0	80.20	0	44.6	70	130			S
2-Methylnaphthalene	32	2.0	80.00	0	40.2	70	130			S
Acenaphthylene	48	2.5	80.20	0	59.6	70	130			S
Acenaphthene	37	5.0	80.00	0	46.8	70	130			S
Fluorene	4.1	0.80	8.020	0	51.4	70	130			S
Phenanthrene	2.6	0.60	4.020	0	63.4	70	130			S
Anthracene	2.5	0.60	4.020	0	60.9	70	130			S
Fluoranthene	5.0	0.30	8.020	0	62.1	70	130			S
Pyrene	4.8	0.30	8.020	0	60.3	70	130			S
Benz(a)anthracene	0.49	0.070	0.8020	0	61.1	70	130			S
Chrysene	2.4	0.20	4.020	0	59.5	70	130			S
Benzo(b)fluoranthene	0.59	0.10	1.002	0	58.9	70	130			S
Benzo(k)fluoranthene	0.32	0.070	0.5000	0	64.0	70	130			S
Benzo(a)pyrene	0.31	0.070	0.5020	0	61.8	70	130			S
Dibenz(a,h)anthracene	0.63	0.12	1.002	0	62.9	70	130			S
Benzo(g,h,i)perylene	0.58	0.12	1.000	0	58.0	70	130			S
Indeno(1,2,3-cd)pyrene	1.3	0.25	2.004	0	65.9	70	130			S
Surr: Benzo(e)pyrene	12		20.00		60.8	24.5	139			

Sample ID **1312810-001DMSD** SampType: **MSD** TestCode: **EPA Method 8310: PAHs**

Client ID: **Seg. 7 post hydro te** Batch ID: **10909** RunNo: **15674**

Prep Date: **12/19/2013** Analysis Date: **12/22/2013** SeqNo: **451956** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	36	2.0	80.00	0	45.4	70	130	13.8	20	S
1-Methylnaphthalene	34	2.0	80.20	0	42.8	70	130	4.14	20	S
2-Methylnaphthalene	33	2.0	80.00	0	40.8	70	130	1.48	20	S
Acenaphthylene	41	2.5	80.20	0	51.6	70	130	14.3	20	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **1312810-001DMSD** SampType: **MSD** TestCode: **EPA Method 8310: PAHs**

Client ID: **Seg. 7 post hydro te** Batch ID: **10909** RunNo: **15674**

Prep Date: **12/19/2013** Analysis Date: **12/22/2013** SeqNo: **451956** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	36	5.0	80.00	0	45.2	70	130	3.59	20	S
Fluorene	3.9	0.80	8.020	0	48.1	70	130	6.52	20	S
Phenanthrene	2.2	0.60	4.020	0	54.5	70	130	15.2	20	S
Anthracene	2.1	0.60	4.020	0	53.0	70	130	14.0	20	S
Fluoranthene	4.3	0.30	8.020	0	53.6	70	130	14.7	20	S
Pyrene	4.1	0.30	8.020	0	51.6	70	130	15.6	20	S
Benz(a)anthracene	0.42	0.070	0.8020	0	52.4	70	130	15.4	20	S
Chrysene	2.0	0.20	4.020	0	50.2	70	130	16.8	20	S
Benzo(b)fluoranthene	0.50	0.10	1.002	0	49.9	70	130	16.5	20	S
Benzo(k)fluoranthene	0.27	0.070	0.5000	0	54.0	70	130	16.9	20	S
Benzo(a)pyrene	0.26	0.070	0.5020	0	51.8	70	130	17.5	20	S
Dibenz(a,h)anthracene	0.53	0.12	1.002	0	52.9	70	130	17.2	20	S
Benzo(g,h,i)perylene	0.49	0.12	1.000	0	49.0	70	130	16.8	20	S
Indeno(1,2,3-cd)pyrene	1.1	0.25	2.004	0	56.9	70	130	14.6	20	S
Surr: Benzo(e)pyrene	10		20.00		51.5	24.5	139	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10893**	SampType: **MBLK**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **PBW**	Batch ID: **10893**	RunNo: **15599**
Prep Date: **12/19/2013**	Analysis Date: **12/19/2013**	SeqNo: **449235** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	2.5								

Sample ID **LCS-10893**	SampType: **LCS**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **LCSW**	Batch ID: **10893**	RunNo: **15599**
Prep Date: **12/19/2013**	Analysis Date: **12/19/2013**	SeqNo: **449236** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	23	2.5	20.00	0	116	73.7	135			

Sample ID **LCSD-10893**	SampType: **LCSD**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **LCSS02**	Batch ID: **10893**	RunNo: **15599**
Prep Date: **12/19/2013**	Analysis Date: **12/19/2013**	SeqNo: **449248** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	22	2.5	20.00	0	110	73.7	135	5.63	21.4	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	**1312813-001B DUP**	SampType: **DUP**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R15632**		RunNo: **15632**					
Prep Date:		Analysis Date: **12/19/2013**		SeqNo: **450697**	Units: **pH units**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.55	1.68								H

Sample ID	**1312887-004D dup**	SampType: **DUP**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R15632**		RunNo: **15632**					
Prep Date:		Analysis Date: **12/19/2013**		SeqNo: **450711**	Units: **pH units**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	8.71	1.68								*H

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312810**

27-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10930**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **10930**	RunNo: **15696**
Prep Date: **12/22/2013**	Analysis Date: **12/23/2013**	SeqNo: **452471** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID **LCS-10930**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **10930**	RunNo: **15696**
Prep Date: **12/22/2013**	Analysis Date: **12/23/2013**	SeqNo: **452472** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Sample ID **1312838-006DMS**	SampType: **MS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **BatchQC**	Batch ID: **10930**	RunNo: **15696**
Prep Date: **12/22/2013**	Analysis Date: **12/23/2013**	SeqNo: **452492** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1300	20.0	1000	284.0	101	80	120			

Sample ID **1312838-006DMSD**	SampType: **MSD**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **BatchQC**	Batch ID: **10930**	RunNo: **15696**
Prep Date: **12/22/2013**	Analysis Date: **12/23/2013**	SeqNo: **452493** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1290	20.0	1000	284.0	101	80	120	0.309	5	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: HRL COMPLIANCE SOL Work Order Number: 1312810 RcptNo: 1

Received by/date: LMS 12/17/13

Logged By: **Lindsay Mangin** 12/17/2013 3:10:00 PM

Completed By: **Lindsay Mangin** 12/17/2013 3:38:44 PM

Reviewed By: 12/18/13

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? Client

Log In

4. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   Samples were collected the same day and chilled.
6. Sample(s) in proper container(s)? Yes ☑ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
9. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
10. VOA vials have zero headspace? Yes ☑ No ☐ No VOA Vials ☐
11. Were any sample containers received broken? Yes ☐ No ☑
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
14. Is it clear what analyses were requested? Yes ☑ No ☐
15. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	9.3	Good	Not Present			

Chain-of-Custody Record

Client: HCSI

Mailing Address: 2385 F1/2 Rd.
Grand Junction, CO 81505

Phone #: 970-462-5440

email or Fax#: tancell@hrlcomp.com

QA/QC Package:
[X] Standard [ ] Level 4 (Full Validation)

Accreditation
[X] NELAP [ ] Other _____

[X] EDD (Type) _____

Turn-Around Time:
[ ] Standard [X] Rush _____

Project Name: Enterprise WEP III - water sampling

Project #: 13110.2

Project Manager: Kay Lambert

Sampler: Jim Hughes

On Ice: [X] Yes [ ] No

Sample Temperature: 9.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1312810	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC List - minus Rads				Air Bubbles (Y or N)
12-17-13	9:30	SW	Seg. 7 post hydro test	various	various	-001												X				
			Trip Blank			-002																

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/17/13	15:10			12/17/13	15:10
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Jones, Brad A., EMNRD

From: White, James <JAGWHITE@eprod.com>
Sent: Tuesday, December 17, 2013 1:25 PM
To: Jones, Brad A., EMNRD
Cc: Bates, Ricky; 'Leland "Luke" Davis (luke1d@msn.com)'; Seale, Runell; Anderson, Don; Sartor, Rodney; Theresa Ancell; Eileen L. Shannon (EShannon@kleinfelder.com); Barbara Everett; Nolan, Shiver; Mendez, Brenda; Heap, James; Thompson, Roger; White, James
Subject: HIP-128, WEP III, Segment 7

Brad,

Public notice is currently underway for HIP-128 which covers a proposed surface discharge or haul for WEP III, Segment 7. Pipeline construction crews have reached a point where they are ready to dispose of hydrotest water by the end of this week. Therefore, Enterprise is no longer pursuing discharge of hydrotest water to the ground under HIP-128 for Segment 7. Enterprise will be hauling hydrotest water to a disposal well listed in WEP III, Segment 7 NOI.

Thank you,
Jimmy

James G. "Jimmy" White
Enterprise Products Operating LLC
Direct 713-381-1785
Mobile 713-392-2458
jagwhite@eprod.com

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division

November 19, 2013

Ms. Shiver Nolan
Enterprise Products Operating LLC
P.O. Box 4324
Houston, Texas 77210

Re: Hydrostatic Test Discharge Permit
Permit: HIP-128
Enterprise Products Operating, LLC
Western Expansion Pipeline III, Segment 7
Location: Unit M of Section 23, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico

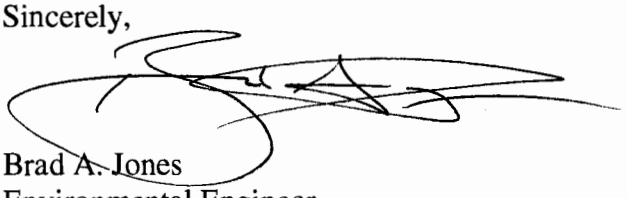
Dear Ms. Nolan:

The New Mexico Oil Conservation Division (OCD) has received Enterprise Products Operating LLC's (Enterprise) notice of intent, dated October 22, 2013 and received by OCD on October 29, 2013, for authorization to discharge approximately 710,000 gallons of wastewater generated from a hydrostatic test of a new 16-inch diameter natural gas gathering system transmission pipeline approximately 25.7 miles (135,696 feet) long, located approximately 9.75 miles north of Lovington, New Mexico. The proposed discharge/collection /retention location is within Enterprise's pipeline easement right-of-way and adjacent private property, located within Unit M of Section 23, Township 14 South, Range 35 East, NMPM, Lea County, New Mexico. The submittal provided the required information in order to deem the application "administratively" complete. OCD approves the Lovington Leader Newspaper as the newspaper of general circulation for the published notice and the discharge and/or collection location (within Enterprise's pipeline easement right-of-way and adjacent private property) and the post office in Lovington, New Mexico as proposed posting locations.

Therefore, the July 2006 New Mexico Water Quality Control Commission (WQCC) regulations notice requirements (20.6.2.3108 NMAC) must be satisfied and demonstrated to the OCD. The hydrostatic test discharge event shall not be initiated until Enterprise's and OCD's notice periods pass, the permit is issued, and the additional permit fee is paid, if applicable.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,



Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District I Office, Hobbs
Mr. Jim Heap, Enterprise Products Operating, LLC, Midland, TX 79701

Jones, Brad A., EMNRD

From: Barbara Everett <BEverett@kleinfelder.com>
Sent: Monday, November 18, 2013 3:46 PM
To: Jones, Brad A., EMNRD
Cc: Jimmy White, Enterprise; Eileen Shannon; Katie Knights
Subject: WEPIII Segment 7 NOI Additional Information
Attachments: Powell Water Rights.pdf

Brad:
Please find attached the additional water right information that you requested for the Segment 7 NOI.
The attachment includes the NM OSE's water right's information for the land under current Ben Powell ownership and the Lea County Assessor's records that indicate land parcel ownership and corresponding water rights.

Barbara Everett
Program Manager
Kleinfelder West, Inc.
beverett@kleinfelder.com
505-344-7373 office
505-280-1079 cell

Lea County

GIS INTERNET REPORT

Assessment Information

OWNER NUMBER: 34346 **UPC CODE:** 4000343460001

PARCEL NUMBER: 4000343460001

Owner Information	
Owner:	POWELL, BEN
Mailing Address:	BOX 96 MC DONALD NM 88262
Property Address:	

Subdivision Information	
Name:	
Unit:	
Block	
Lot:	

Legal Information
320.00 AC BEING E2 *1987-FARMERS HOME ADMINISTRATION* 2/29/08-LEASED TO BEN POWELL LIVESTOCK ON #5415 4/13/10-POWELL, MARVIN E & JEANETTE TRUST 9/20/10 -WATER RIGHTS - 14-14S-35E - L-235 & 235 ENLGD - 210.77 AC - B1695 P392

Other Information			
Taxable Value:	22892	**Deed Book:**	1674
Exempt Value:	0	**Deed Page:**	698
Net Value	22892	**District:**	010
Livestock Value:	0	**Section:**	14
Manufactured Home Value:	0	**Township:**	14
Personal Property:	0	**Range:**	35
Land Value:	64227	**Date Filed:**	20100413
Improvement Value:	4449	**Most Current Tax:**	$632.28
Full Value:	68676	**Year Recorded:**	

Lea County

GIS INTERNET REPORT

Building Information			
Year Built:	1975	**Number of Stories:**	1.
Basement SQFT:	0	**First Floor SQFT:**	1
Second Floor SQFT:	0		

Lea County

GIS INTERNET REPORT

Assessment Information

OWNER NUMBER: 34346 **UPC CODE:** 4000343460002

PARCEL NUMBER: 4000343460002

Owner Information	
Owner:	POWELL, BEN
Mailing Address:	BOX 96 MC DONALD NM 88262
Property Address:	

Subdivision Information	
Name:	
Unit:	
Block	
Lot:	

Legal Information
640.00 AC ALL *1987-FARMERS HOME ADMINISTRATION* 4/13/10-POWELL, MARVIN E & JEANETTE POWELL 9/20/10 -WATER RIGHTS - 23-14S-35E - L-697 & 697 FORMB - 348.51 AC - B1695 P392

Other Information			
Taxable Value:	22892	**Deed Book:**	1674
Exempt Value:	0	**Deed Page:**	698
Net Value	22892	**District:**	010
Livestock Value:	0	**Section:**	23
Manufactured Home Value:	0	**Township:**	14
Personal Property:	0	**Range:**	35
Land Value:	64227	**Date Filed:**	20100413
Improvement Value:	4449	**Most Current Tax:**	$632.28
Full Value:	68676	**Year Recorded:**	

Lea County

GIS INTERNET REPORT

Building Information			
Year Built:	0	**Number of Stories:**	1.
Basement SQFT:	0	**First Floor SQFT:**	769
Second Floor SQFT:	0		

Irrigation. CLEAN OUT AND CASE

(This form to be executed in triplicate)

WELL RECORD

Date of Receipt FEB. 6, 1954 Permit No. L-697

Name of permittee, R. F. ANDERSON & PROPST FARMS

Street or P. O., LOVINGTON, City and State NEW MEXICO

1. Well location and description: The SHALLOW (shallow or artesian) well is located in NW ¼, NE ¼, ¼ of Section 14, Township 14, Range 35; Elevation of top of casing above sea level, ... feet; diameter of hole, 16 inches; total depth, 118 feet; depth to water upon completion, 60 feet; drilling was commenced JAN. 27, 1954 and completed JAN. 31, 1954; name of drilling contractor C. O. ALDREDGE Box 379; Address, LOVINGTON, N. MEX. Driller's License No. 79

2. Principal Water-bearing Strata:

	Depth in Feet From	To	Thickness	Description of Water-bearing Formation
No. 1	94	110	16	GOOD WATER SAND
No. 2	110	118	8	QUICK SAND
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in Inches	Pounds per ft.	Threads per Inch	Depth of Casing or Liner Top	Bottom	Feet of Casing	Type of Shoe	Perforation From	To
14	WELDED		0	118	118	NONE	70	118

4. If above construction replaces old well to be abandoned, give location: ¼, ¼, ¼ of Section ....., Township ....., Range .....; name and address of plugging contractor,

.....

.....

date of plugging ....., 19....; describe how well was plugged: .....

.....

.....

.....

FILED
MAR 3 1954
OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

L-697 Irr. 14.35.14.213

5. Log of Well:

Depth in feet From	To	Thickness in feet	Description of Formation
94	110	16	Good WATER SAND
110	118	8	QUICK SAND

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

C. O. Aldredge
Licensed Well Driller

By Mrs C. O. Aldredge

Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

Form WR-23

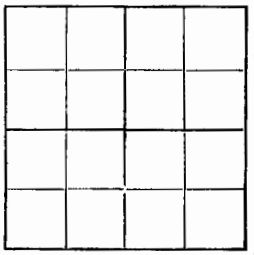
STATE ENGINEER OFFICE

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1



(Plat of 640 acres)

(A) Owner of well K. S. Head

Street and Number Rt.1 Box 25

City Lovington, State New Mex.

Well was drilled under Permit No. L - 698 and is located in the ¼ N.E. ¼ N.E. ¼ of Section 14 Twp. 14s Rge. 35 E.

(B) Drilling Contractor C.O. Aldredge License No. WD.79

Street and Number Box 379

City Lovington, State New Mex.

Drilling was commenced May 11 19 64

Drilling was completed May 18 19 64

Elevation at top of casing in feet above sea level ..... Total depth of well 105

State whether well is shallow or artesian Shallow Depth to water upon completion 61ft.

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation
1	61	80	19	Light water sand
2	80	90	10	Good water sand
3	90	105	15	quick sand
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth Top	Depth Bottom	Feet	Type Shoe	Perforations From	Perforations To
16	Conductor pipe				4ft.	leak in top of well		

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
		16			2 sacks of drilling mud used
					while drilling well to hold
					quick sand back

Section 5 PLUGGING RECORD

Name of Plugging Contractor ..... License No. .....

Street and Number ..... City ..... State .....

Tons of Clay used ..... Tons of Roughage used ..... Type of roughage .....

Plugging method used ..... Date Plugged ..... 19 .....

Plugging approved by:

..... Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug From	Depth of Plug To	No. of Sacks Used

FOR USE OF STATE ENGINEER ONLY

Date Received ✓

JUN 26 AM 8:20 1964

File No. L-698 Use Dom. Location No. 14.35.14.220

Section 6

LOG OF WELL

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color	Type of Material Encountered
0	1	1	Brown	Top soil
1	25	24	White	Glighie rock
25	61	36	Brown	Dry sand
61	80	19	Brown	Light water sand
80	90	10	Light Brown	Good water sand
90	105	15	Red	Quick sand

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

C. O. Aldredge
Well Driller

FIELD ENGR. LOG

(This form to be executed in triplicate)

WELL RECORD

L-235 AND 235 ENLGD.
L-697 AND L-698 COMB.

Date of Receipt Aug. 9, 1954 Permit No. S 2

Name of permittee, HERMAN A. PROPST & ROBERT F. ANDERSON

Street or P. O. % A. B. BADGETT, Box 544, City and State LOVINGTON, NEW MEXICO

1. Well location and description: The SHALLOW (shallow or artesian) well is located in NE ¼, SW ¼, NE ¼ of Section 14, Township 14, Range 35 EAST; Elevation of top of casing above sea level, ... feet; diameter of hole, 16 inches; total depth, 110 feet; depth to water upon completion, 60 feet; drilling was commenced Aug. 4, 1954, and completed Aug. 7, 1954; name of drilling contractor C. O. ALDREDGE; Address, LOVINGTON, NEW MEX.; Driller's License No. 79

2. Principal Water-bearing Strata:

	Depth in Feet From	To	Thickness	Description of Water-bearing Formation
No. 1	60	72	12	LIGHT WATER SAND
No. 2	72	80	8	FAIR WATER SAND
No. 3	80	92	12	GOOD WATER SAND
No. 4	92	110	18	QUICK SAND
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner Top	Bottom	Feet of Casing	Type of Shoe	Perforation From	To

4. If above construction replaces old well to be abandoned, give location: ....¼, ...¼, ...¼ of Section ....., Township ....., Range .....; name and address of plugging contractor,

.....

.....

date of plugging ....., 19....; describe how well was plugged:

.....

.....

.....

FILED
SEP 9 1954
OFFICE
GROUND WATER SUPERVISOR
ROSWELL, NEW MEXICO

L-235 & 235 Enlg.
L-697 & 698 Comb-S-2

Jrs.

14.35.14.232 DB

6. Log of Well:

Depth in Feet From	To	Thickness in feet	Description of Formation
0	1	1	SOIL
1	20	19	LIME ROCK
20	30	10	CALICHIE ROCK
30	34	4	CRYSTALIZED SAND
34	50	16	DRY SAND
50	53	3	CRYSTALIZED SAND
53	60	7	DRY SAND
60	72	8	LIGHT WATER SAND
72	80	8	FAIR GRAD WATER SAND
80	92	12	GOOD WATER SAND
92	110	18	QUICK SAND

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

C. O. Aldridge
Licensed Well Driller

Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of Check No. 690679 dated 9/18/13

or cash received on 10/28/13 in the amount of $ 700.00

from KLEINFELDER WEST, INC.

for HIP-128

Submitted by: BRAD JONES Date: 10/29/13

Submitted to ASD by: LUPE SHERMAN Date: 10/29/13

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility: _____ Renewal: _____

Modification _____ Other ✓ PERMIT FEE

Organization Code 521.07 Applicable FY 14

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

NEW MEXICO ENVIRONMENT DEPARTMENT - ALBUQUERQUE FIELD OFFICE DAILY CHECK RECEIPT LOG

DATE RECEIVED	WALK-IN	MAIL	NAME ON CHECK	DATE OF CHECK	CHECK/MONEY ORDER#	PROGRAM ACCOUNT CODE	AMOUNT OF CHECK	DATE DEPOSITED	DEPOSITED BY:
10/28/13		✓	KLEINFELDER WEST, INC.	9/18/13	690679		$700.00		
TOTAL							$700.00		

REVENUE TRANSMITTAL SHEET

Description	Fund	Dept.	Share Acct	Sub Acct	Amount
Liquid Waste	34000	Z3200	496402		
Water Recreation Facilities	40000	Z8501	496402		
Food Permit Fees	99100	Z2600	496402		
OTHER	34100	232900		2329029000	

Enterprise Products

ENTERPRISE PRODUCTS PARTNERS L.P.
ENTERPRISE PRODUCTS HOLDINGS LLC
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

October 22, 2013

VIA Fed Ex

Mr. Brad Jones
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
1220 St. Francis Drive
Santa Fe, NM 87505

Dear Mr. Jones:

RE: Enterprise Products Operating LLC
Submittal of Notice of Intent to Discharge Hydrostatic Test Water
Western Expansion Pipeline III, Segment 7
Lea County, New Mexico

Enterprise Products Operating LLC (Enterprise) will be constructing Segment 7 of the Western Expansion Pipeline III as an expansion to their natural gas gathering system. Please find enclosed an application for authorization to discharge hydrostatic test water following hydrostatic testing of the new pipeline. The enclosed application includes the requested revisions to the unofficial draft that was submitted on October 3, 2013.

Because of unforeseen delays in BLM & BIA permitting, we are having to adjust our original schedule of where we are working within our overall project, and as such, this application is now inside the preferred 90-day window, whereas our original schedule would have allowed for a full 90-day review.

Thank you for your assistance with this request. If you have any questions or require additional information, please feel free to call Enterprise's environmental consultant, Ms. Eileen Shannon, 505.307.0722, or myself at 713.392.2458.

Sincerely,

James G. White
Sr. Environmental Scientist

cc: James Heap, Enterprise
Shiver Nolan, Enterprise

P.O. BOX 4324
HOUSTON, TEXAS 77210-4324
713.381.6500

1100 LOUISIANA STREET
HOUSTON, TEXAS 77002-5227
www.enterpriseproducts.com

KLEINFELDER
Bright People. Right Solutions.

October 21, 2013
Project No.: 134288

Mr. Brad Jones
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
1220 St. Francis Drive
Santa Fe, NM 87505

SUBJECT: Submittal of a Notice of Intent to Perform Hydrostatic Test
WEP III – Segment 7
Lea County, New Mexico

Dear Mr. Jones:

On behalf of Enterprise Products Operating LLC (Enterprise), Kleinfelder West, Inc. (Kleinfelder) is submitting this Notice of Intent (NOI) for a hydrostatic test to be conducted on Segment 7 of Enterprise's Western Expansion Pipeline III (WEP III).

Kleinfelder has included the required information for the NOI as stated in the "Guidelines for Hydrostatic Test Dewatering" dated January 11, 2007. Attached to this NOI are the following:

- Background Information;
- Notice of Intent Plan;
- Figure 1 – New Enterprise Pipeline, WEP III Segment 7;
- Figure 2 – New Enterprise Pipeline, WEP III Segment 7 Discharge Location;
- Figure 3 – Dissipation and Discharge System;
- Appendix A – Certification of Siting Criteria;
- Appendix B – Water Feature, Water Well Information and Floodplain Information;
- Appendix C – Area Mine Information;
- Appendix D – Geology;
- Appendix E – Area Landownership and Permission from Landowners;
- Appendix F – Public Notice;
- Appendix G – Electro-Coagulation Process Information; and
- Appendix H – Powell Wells Analytical Data.

A check totaling $700 made out to the New Mexico Water Quality Management Fund is included with this NOI for the $100 filing fee and the $600 permit fee.

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Kleinfelder prepared this NOI in a manner consistent with the level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. The information provided in this document is based on our understanding of the information provided by Enterprise.

Should you have any questions, please feel free to contact Eileen Shannon (Kleinfelder) at 505.344.7373 or Jimmy White (Enterprise) at 713.392.2458.

Respectfully submitted,

KLEINFELDER WEST, INC.

Jill Hernandez
Staff Engineer

Reviewed by:

Eileen L. Shannon, PG
Project Manager

cc: James White, Enterprise Products Operating LLC, PO Box 4324, Houston, TX 77210

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Background Information

- The U.S. Department of Transportation (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) requires periodic pressurized tests on all DOT-regulated pipelines and all newly installed pipelines to verify the integrity and safety of pipeline systems. Because the pipeline is part of a natural gas gathering system, waste water generated during hydrostatic testing is classified as RCRA-exempt waste water and does not require management as a RCRA waste or disposal at a RCRA-approved facility;
- The Enterprise Western Expansion Pipeline (WEP) III line is a new, welded, steel 16-inch diameter pipeline. Segment 7 of the WEP III pipeline is 25.7 miles or 135,696 feet long (Figure 1);
- The pipeline is part of a gathering system that transports natural gas from the Piceance and San Juan Basins to processing facilities located in Hobbs, New Mexico and Houston, Texas;
- The source water for the hydrostatic testing is the Powell Wells #1 and #2 (Powell wells). The location of the Powell wells is shown on Figure 1;
- Placement of water into the southern portion of Segment 7 (MP 21.2 to MP 33.7) is scheduled to start on approximately November 25, 2013 (Figure 1). Water will be added to the pipeline at approximately MP 33.7. After the testing of this section of the pipeline is complete, the water will be held in that portion of the pipeline until the construction of the northern portion of Segment 7 is completed. The northern section (MP 33.7 to MP 46.9) will then be tested.
- Upon completion of test, the water will be analyzed for water quality (discussed in item j). Provided that the test water meets the requirements NMAC 20.6.3013, it will be discharged to the ground surface within the Enterprise right-of-way and onto the adjacent property at MP 33.7. Approximately 710,000 gallons are expected to be discharged to the ground surface on or around December 3, 2013.
- Per NMAC 20.6.2.3108, a sample of the public notice is included in Appendix F; and
- Per NMAC 20.6.2.3108, public notice will be made in English by the following methods:
    1. A 2 feet by 3 feet in size sign will be posted at the discharge location;
    2. Written notice will be posted at the Lovington, New Mexico post office;
    3. Written notice of the discharge by mail to all owners of record for properties adjacent to where the discharge site is located;
    4. The notice will be sent by certified mail, return receipt requested, to the owner of the discharge site; and
    5. A synopsis of the notice will be published in a display ad at least three inches by four inches in size in *The Lovington Daily Newspaper*. Public notice is published every Tuesday, Thursday, and Saturday, and the paper requires the information 2 days prior to publication before noon.

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Notice of Intent Plan

On behalf of Enterprise, Kleinfelder is submitting this NOI plan as outlined in NMOCD Guidance document, "Guidelines for Hydrostatic Test Dewatering," (revised January 11, 2007). The NOI plan includes the following items:

Item a. Name and address of the proposed discharger:

Legally Responsible Party	Mr. Leonard W. Mallett, Group Sr. VP, Engineering POC: Ms. Shiver Nolan, Sr. Compliance Administrator P.O. Box 4324 Houston, Texas 77210 713.381.6595
Local Representative	Mr. Jim Heap Enterprise Products Operating LLC 1031 Andrews Highway, Suite 320 Midland, TX 79701 432.686.5404

Item b. Location of the discharge, including a street address, if available, and sufficient information to locate the facility with respect to surrounding landmarks:

Water from the hydrostatic testing will be discharged in the central portion of WEP III Segment 7 near mile post (MP) 33.7 in Lea County. The discharge area will occur:

- in the pipeline ROW in an area approximately 125 feet wide by 322 feet long (approximately 40,250 square feet); and
- in the adjacent property northeast of the ROW in an area approximately 33,810 square feet in size. Landowner permission to discharge to the ground surface is included in Appendix E.

The location of the pipeline to be hydrostatically tested and the discharge location are shown on Figures 1 and 2.

The location of the hydrostatic discharge area is approximately 9.75 miles north of Lovington, New Mexico. Directions to the discharge site from Lovington, New Mexico are:

- From the intersection of US-83 and US-82;
- Head north on US-82 for 3 miles;
- Exit onto NM-206 N/Tatum Highway and continue north for 6.6 miles;
- Turn west on County Road 107/E. Hester Road for 2 miles;
- Turn north on County Road 103/Reed Road for 1 mile;
- Turn west on County Road 108/Hilburn Road for 2 miles;
- Turn north on County Road 109/Kidd Road and continue for 394 feet;
- The discharge area will be on the right/east.

The approximate coordinates for the discharge area location are: Latitude 33.083873, Longitude -103.386186.

Item c. Legal description of the discharge location:

The discharge location is located:

- In the SW/4; SW/4; Section 23, Township 14 South, Range 35 East (Figure 1).
- The latitude and longitude coordinates are included in *Item b.*

Item d. Maps (site-specific and regional) indicating the location of the pipelines to be tested:

- Figure 1 – Regional map showing topography, the pipeline section undergoing testing, and the hydrostatic test water discharge location.
- Figure 2 – Site-specific aerial map showing the hydrostatic test water discharge area.

Site-specific topographic maps are provided in the appendices.

Item e. A demonstration of compliance to the following siting criteria or justification for any exceptions:

Shapefiles were downloaded from various electronic sources and were included in a Geographic Information System (GIS) database for preparation of this NOI. The maps generated from this database were reviewed September 5, 2013. Detailed references for the various shape files are included in the Reference section. Source information is provided on the individual figures.

i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;

No watercourses; lakebeds, sinkholes, or playa lakes were observed within 200 feet of the discharge area during the site visit (Appendix A). A search of watercourses, lakebeds, sinkholes and playa lakes in the vicinity of the discharge area was completed by reviewing a topographic map and using the GIS database. No watercourses, lakebeds, sinkholes, or playa lakes were indicated during the topographic and database reviews. A copy of the site specific topographic map is included in Appendix B, Figure B-1.

ii. Within an existing wellhead protection area or 100-year floodplain;

No springs were identified on the topographic map within 1,000 feet of the discharge area (Figure B-1, Appendix B) and no springs were observed during the site inspection (Appendix A).

The New Mexico Office of the State Engineer (OSE) and Go-Tech websites were reviewed for water supply wells located in the vicinity of the discharge area. No water supply wells were identified within 1,000 of the discharge area during the database review (Figure B-2 in Appendix B) nor during the site inspection (Appendix A).

The discharge area has not been mapped by the Federal Emergency Management Administration (Figure B-3 in Appendix B). Based on a topographic map review and the site inspection, the discharge area does not appear to be located in a floodplain.

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iii. Within, or within 500 feet of, a wetland;

No wetlands were observed during the site inspection (Appendix A). A topographic map provided by the U.S. Fish and Wildlife Service National Wetlands Inventory database was reviewed for wetlands in the vicinity of the discharge area. Wetlands were not indicated in or within 500 feet of the perimeter of the discharge area. A copy of the site specific topographic map is included in Appendix B, Figure B-1.

iv. Within the area overlying a subsurface mine; or

A map generated from the New Mexico Mining and Minerals Division GIS database was reviewed for active mines. No active mines were located at or in the vicinity of the proposed discharge area (Figure C-1 in Appendix C). Mr. Mike Tompson, with the New Mexico Abandoned Mine Lands Program, was contacted on August 12, 2013 to assess the presence of abandoned subsurface mines in the vicinity of the proposed discharge area. According to Mr. Tompson, he has no record of abandoned subsurface mines near the proposed discharge area (Appendix C).

v. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.

No permanent residences, school, hospital, institution or church were noted on aerial photographs of the area (Figure 2), nor were they noted during the site visit (Appendix A).

Item f. A brief description of the activities that produce the discharge;

Pressure testing with water, also known as hydrostatic testing, is one of the tools pipeline operators use to verify pipeline integrity. The purpose of hydrostatic testing of a pipeline is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. Because this is new piping, previous contents of the pipe do not need to be cleared. Segment 7 will be tested in two sections. Test water will be introduced into the first section to be tested. The pipeline will then be pressurized to a pressure higher than maximum operating pressure for approximately eight hours. After that section is tested, that test section will be de-pressurized and needed volume of water will be pushed into the next section for re-use in testing. If leaks or breaks occur, that section of pipeline is repaired or replaced, then re-tested.

Once the testing is complete, the water will be discharged into the dissipation and discharge structure.

Item g. The method and location for collection and retention of fluids and solids;

Because the piping is new, solids are not anticipated to be produced as a result of the hydrostatic testing. Once hydrostatic testing has been completed in all sections, a sample will be collected from the pipe at the discharge location (MP 33.7). The water will be tested for water quality as described in *item j.* Water will be held in the pipe until the test results are received and approved. Once approval to discharge has been received, the test water will be allowed to flow onto approximately 40,250 square feet of the ROW and onto approximately 33,810 square feet of the adjacent property to the northeast.

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Item h. A brief description of best management practices to be implemented to contain the discharge onsite and to control erosion;

Non-woven geotextile fabric will be installed beneath the dissipation structure to prevent scouring. Hay bales will be used to control erosion as the water is discharged from the pipeline at a rate of approximately 1,500 gallons per minute (gpm) into the hydrostatic waste water dissipation and discharge system. A connector pipe is attached to the end of the pipeline and to a baffle "T" located within the dissipation structure. Pipeline water will gradually be released from the dissipation structure at a low flow rate onto the area described in *item g*. The dissipation and discharge structure will be built to maintain the proper flow rate to avoid scouring the landscape. A diagram and description of the hydrostatic waste water dissipation and discharge system is depicted on Figure 3.

Item i. A request for approval of an alternative treatment, use, and/or discharge location (other than the original discharge site), if necessary;

No alternate discharge sites are proposed for this segment.

If hydrostatic test water analytical results exceed the standards of NMAC 20.6.2.3103, the test water will be treated using an electro-coagulation cleaning process and a separate filtering system. This process is described in Appendix G.

After the electro-coagulation process is completed, the water will be tested again as described in Appendix G. If it still does not meet the standards of NMAC 20.6.2.3103, the water will be hauled and disposed of as described in *item k*.

Item j. A proposed hydrostatic test wastewater sampling plan;

Enterprise requests that it not be required to test for Radium 226/228. The Powell wells, were sampled on June 6, 2013, and had the following radium analytical results in picocuries per liter (pCi/L):

WATER WELL SAMPLED	RADIUM 226 CONCENTRATION (pCi/L)	RADIUM 228 CONCENTRATION (pCi/L)
Powell Well #1	0.738 ± 0.586	0.355 ± 0.289
Powell Well #2	0.159 ± 0.363	0.284 ± 0.295

These radium analytical results are below the 30 pCi/L standard required in NMAC 20.6.2.3103. The laboratory analytical reports are included in Appendix H.

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Prior to discharge, Enterprise will collect a sample of the test water from the discharge location (MP 33.7) and have it analyzed using the following methods.

SAMPLING PLAN FOR COMPLIANCE WITH NMAC 20.6.3103 (A), (B), (C)		
ANALYTES	METHOD	BOTTLE TYPE/PRESERVATIVE
Volatile Organics	8260B	3 x 40 ml VOA's / HCl
Ethlylene dibromide	504.1	2 x 40 ml VOA's / $Na_2S_20_3$
Polychlorinated Biphenols	8082	2 x liter amber / unpreserved
Polynuclear Aromatic Hydrocarbons	8310	1 x liter amber / unpreserved
Phenols	9067	1 x liter amber / H_2S0_4
Anions, TDS, pH	300.0 SM 2540C SM 4500-H+B	1 x 500 ml plastic / unpreserved 1 x 125 ml plastic / H_2S04
Mercury	245.1	1 x 500 ml plastic / $HN0_3$
Dissolved Metals	200.7 / 200.8	1 x 125 ml plastic + filter & syringe / HNO_3
Total Cyanide	335.4	1 x 500 ml plastic amber / NaOH

Once the results have been received, they will be forwarded to the NMOCD. Upon NMOCD concurrence that the discharge water meets the water quality standards of NMAC 20.6.2.3103, Enterprise will discharge the water in accordance with the approved discharge permit.

Item k. A proposed method of disposal of fluids and solids after test completion, including closure of any pits, in case the water generated from test exceeds the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations);

As described in Appendix G, if the test water still exceeds discharge requirements after the electro-coagulation process, the water will be transported from the project site in DOT-approved tanker trucks by NMOCD-approved haulers to one of the following waste water disposal facilities:

- Basin Disposal, Inc. (API 30-045-26862, Disposal Well No. 1: IPI-149-0) in Aztec, New Mexico;
- Agua Moss, LLC (Permit # UIC-I-005) on Crouch Mesa, in Bloomfield New Mexico; or
- Gandy Marley, Inc. (Permit # NM1-19-0) on Highway 380 between Tatum and Roswell, New Mexico.

The water will be transported by one or more of the following NMOCD-approved haulers:

- Dawn Trucking Co. (C133-31);
- M&R Trucking, Inc. (C133-399);
- Three Rivers Trucking, Inc. (C133-335); or
- Triple S Trucking Co., Inc. (C133-372).

Any solids generated using the electro-coagulation process will be disposed of at one of the following NMOCD-approved commercial solid waste management facilities:

- Gandy Marley Inc., in Chaves County (Permit No. 19);
- Lea Land Inc. in Lea County (Permit No. 24); or

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- R360 Permian Basin LLC (formerly Controlled Recovery Inc.) in Lea County (Permit No. 6).

C-138 manifest forms will be prepared and provided with all liquid and solid waste that is hauled for disposal.

Item l. A brief description of the expected quality and volume of the discharge;

The volume of the hydrostatic test water expected to be discharged is approximately 710,000 gallons. Source water used for the hydrostatic test will be water obtained from the Powell wells. Laboratory analytical data collected from the Powell wells on June 6, 2013 are included in Appendix H. Constituent concentrations in the Powell wells are all below the NMAC 20.6.2.3103 standards. New piping will be tested, which should not impact the quality of the water being discharged.

Item m. Geological characteristics of the subsurface at the proposed discharge site;

Information regarding the soil characteristics was obtained from the United States Department of Agriculture (USDA) soil survey (USDA, 1974). Based on that information, the site is located in the Northwest Shelf region of the Permian Basin which extends across the northern portion of Lea County, New Mexico and west Texas. The Northwest Shelf includes shelf edge reefs and shelf carbonates of the Dewey Lake Redbeds Formation of the Chinle Group and the Rustler, and Salado Formations of the Ochoan Series (SEPM Strata, 2013 and Murchison, 2010).

Soils in the area are dominated by Kimbrough-Lea and Portales-Stegall-Lea surface soils comprised of gravelly and loamy soils (USDA, 1974). The soils were formed in eolian and alluvial deposits over indurated caliche. The indurated caliche overlies the Tertiary Ogallala Formation, as indicated by "To" on Figure D-1, Appendix D. The Ogallala Formation is comprised of relatively stabilized wind-blown sand overlying and petrocalcic soils of the southern High Plains. The Ogallala Formation overlies Triassic sandstone, siltstone, and shale, which overlies the Permian Dewey Lake Redbeds, consisting of silt and shale (New Mexico State Highway Department, 1971-1972). Karst was identified in the area on maps prepared from The United States Geologic Survey and Bureau of Land Management GIS dataset, Figure D-2 (Appendix D). In addition, an area of potential karst was observed approximately 300 feet to the southwest of the proposed discharge area during the site visit.

Item n. The depth to and total dissolved solids concentration of the ground water most likely to be affected by the discharge; and

Water in the region is found within the sands and gravels of the Ogallala Formation (USDA, 1974). Saturated sediments are generally less than 25 feet in thickness in the northern portion of Lea County (USDA, 1974).

Based on data obtained from the OSE and Go-Tech websites, accessed on September 9, 2013, one domestic well (L 04453), three livestock wells (L 05325, L 05324, and L 06537), and two wells associated with oil and gas production (L 07629 and L 06599) are located within 0.8 miles of the proposed discharge area. According to the OSE and Go-Tech websites, the depth to water ranges from approximately 48 to 90 feet below ground surface. Total dissolved solids (TDS) concentrations were not provided in the OSE and Go-Tech databases. Regionally, the waters within the Tertiary deposits in Lea County range from 254 to 1,157 milligrams per liter (mg/L) (Nye, 1930).

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Item o. Identification of landowners at and adjacent to, the discharge and collection/retention site:

The landowner of record for the property at the discharge location is:

Map Parcel ID	Lea County Parcel ID	Property Owner
A	4000343460001, 4000343460002	**Ben Powell** Box 96 McDonald, NM 88262

Signed permission from the landowner to discharge onto his private property northeast of the ROW is included in Appendix E.

The landowners of record for properties adjacent to the property where the discharge will occur are:

Map Parcel ID	Lea County Parcel ID	Property Owner
B	4000602520019	**Key Family Limited Partnership** PO Box 355 Lovington, NM 88260
C	4000601300002	**Zachary Neil Zimmerman** PO Box 397 Lovington, NM 88260
D	4000343130001	**Sandra Ponder Joy** 17421 E. State Hwy 22 Cranfills Gap, TX 76637
E	4000352330001	**Marlin J. Wiggins** Box 601 Lovington, NM 88260
F	4000346510001	**McWhorter Ranch** Route 2, Box 120 Lovington, NM 88260
G	No Parcel ID	**State of New Mexico – Barbee McWhorter** State Land Office 310 Old Santa Fe Trail Santa Fe, NM 87501
H	4000352840001	**Jim P. Wolfe** 3405 Whittingslow Rd. Greenwood, AR 72936
I	4000347460001	**Larry E. Denning** P.O. Box B McDonald, NM 88262
J	4000346690001	**Ruby Hannie** Crosby Ranch – RT 1 El Dorado, TX 76936
K	4000352710001	**Patsy I. Whitley** Route 2, Box 48BE Lovington, NM 88260
L	4000344830001	**Shannon Kizer** Box 56 Pep, NM 88126

Figure E-1 illustrates the parcel locations discussed above.

References

Go-Tech, New Mexico Water database (NM WAIDS, accessed September 9, 2013, http://octane.nmt.edu/waterquality/data/gwatersearch.aspx.

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Office of the State Engineer (OSE) database search accessed in September 9, 2013, http://nmwrrs.ose.state.nm.us/nmwrrs/index.html.

Murchison, 2010. "Geographic Footprint" 2010.

New Mexico State Highway Department, Geology Section, Materials and Testing Laboratory, Design Division and U.S. Department of Transportation, Federal Highway Administration, 1971-1972.

Nye, S. Spencer, Department of the State Engineer, State of New Mexico, Herbert W. Yeo, State Engineer, United States Geological Survey, 1930, Shallow Ground-Water Supplies in Northern Lea County, New Mexico, Bulletin No. 2, 113 pages.

SEPM Strata, 2013. "The Geology of the Upper Permian – Permian Basin", February 13, 2013.

United States Department of Agriculture, Soil Conservation Service and New Mexico Agricultural Experiment Station, 1974, "Soil Survey, Lea County, New Mexico", January 1974.

GIS References – Segment 7

NM Topographic 7.5' quadrangle maps (Segment 7)

- Frier Ranch
- Alston Ranch
- Tatum South
- Prairieview NW
- Fort Ranch
- Hillburn City SW
- Hillburn City
- Prairieview
- Buckeye NE,
- Lovington NW
- Lovington
- Humble City NW

Basemap for inset on Figure 1

- -ESRI World Street Map. Sources: ESRI, DeLorme, NAVTEQ, TomTom, USGS, Intermap, iPC, NRCAN, ESRI Japan, METI, ESRI China (Hong Kong), ESRI (Thailand)

Aerial imagery on Figure 2, Segment 7

- ESRI World Imagery; ESRI DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community. Date of image: 10/26/2010

State and County boundaries

- ESRI Street Map North America dated August 17, 2010

Cities and Towns; Urban areas

- *TIGER urban areas 2010 (tl_2010_35_place10.shp) 2010 Census data
- ESRI Street Map North America dated August 17, 2010

PLSS

- *BLM GIS dataset dated June 3, 2013

Surface waters (streams and water bodies)

- *National Hydrography Dataset, USGS, GIS dataset downloaded May 4, 2011

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Wetlands
- *National Wetlands Inventory, USF&WS, GIS dataset downloaded May 4, 2011

OSE Wells
- *New Mexico Office of the State Engineer, Excel spreadsheet dated July 2011
- Unable to find the USGS wells listed on the PRRC references sheet

Floodplains, Segment 7
- *S_FLD_HAZ_LN downloaded from New Mexico Resource Geographic Information System Program, http://rgis.unm.edu/ GIS shapefile downloaded June 5, 2013

Mines
- New Mexico Mining and Minerals Division, February 2012
- *Coal mine permit boundaries shapefile from RGIS, downloaded June 17, 2013
- Potash areas from BLM Carlsbad Field Office basemap, downloaded May 8 , 2012

Geology
- USGS OFR 2005-21351. Stoeser, D.B., G.N. Green, L.C. Morath, W.D. Heran, A.B. Wilson, D.W. Moore, and B.S. Van Gosen, 2005. Preliminary Integrated Geologic Map Databases for the United States; Central States: Montana, Wyoming, Colorado, New Mexico, Kansas, Oklahoma, Texas, Missouri, Arkansas, and Louisiana, - The State of New Mexico. U.S. Geological Survey Open-File Report 2005-21351
- USGS Fault and Fold Database, GIS shapefiles downloaded November 3, 2010
- BLM Carlsbad Field Office GIS Basemap GIS dataset downloaded on May 8, 2012

Karst
- *USGS OF 2004-1352. Tobin, Bret D., and David J. Weary, 2004. Digital Engineering Aspects of Karst Map: A GIS version of Davies, W.E., Simpson, J.H., Ohlmacher, G.C., Kirk, W.S., and Newton, E.G., 1984, Engineering aspects of karst: U.S. Geological Survey, National Atlas of the United States of America, scale 1:7,500,000. U.S. Geological Survey Open-File Report 2004-1352
- BLM Carlsbad Field Office GIS Basemap, Caves potential GIS shapefile downloaded on May 8, 2012
- BLM NM GIS dataset, Karst potential, GIS shapefile provided by BLM on April 3, 2012

Land Ownership
- BLM NM GIS dataset downloaded June 3, 2013

*same source as used on Pit Rule Petroleum Recovery Research Center database (PRRC) http://ford.nmt.edu/prrc_MF/index5.html

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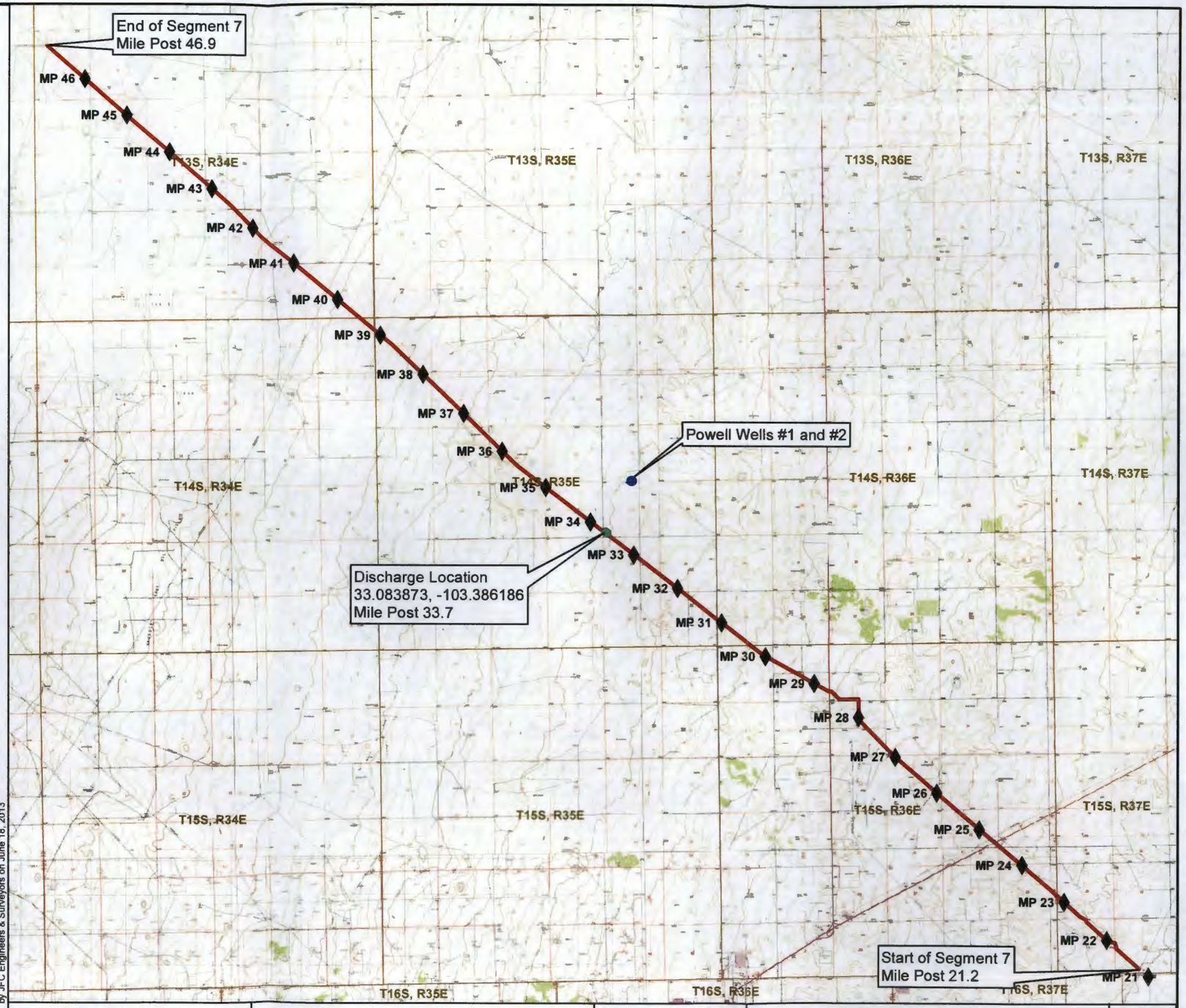
FIGURES

Source: ESRI World Street Map

APPROXIMATE SITE LOCATION

LEGEND

- DISCHARGE LOCATION
- MILE POST
- APPROXIMATE SEGMENT OF PIPELINE TO BE HYDROSTATICALLY TESTED
- SOURCE WELL LOCATION



Source: USGS 7.5' Quadrangle Topographic Maps: Frier Ranch, Alston Ranch, Tatum South, Prairieview NW, Fort Ranch, Hillburn City SW, Hillburn City, Prairieview, Buckey NE, Lovington NW, Lovington, Humble City NW; NM Centerline: SPREAD3_IFC_8470SEG6_060313_CL.shp provided by JFC Engineers & Surveyors on June 18, 2013

1 0 1 2
Miles

Locations are Approximate

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FILE NAME:	Seg7_Figure1.mxd

NEW ENTERPRISE PIPELINE
WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: BS 10.16.13

DRAWING CATEGORY: 1

FIGURE **1**

User: KHagan

Date: 9/10/2013

User: KHagan

Source: ESRI World Imagery; ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community
Date of image: 10/26/2010
SPREAD3_IFC_8470SEG7_060313_CL.shp, SPREAD3_IFC_8470SEG7_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013

Date: 9/10/2013

N

50 0 50 100
Feet

Locations are Approximate

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NEW ENTERPRISE PIPELINE
WEP III SEGMENT 7 DISCHARGE LOCATION

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10.16.13

DRAWING CATEGORY: 1

FIGURE **2**

Straw bale catch basin: Bales will be installed 2-3 bales high and 2 bales wide.

Mirafi Fabric: Mirafi fabric will be installed on the inner walls of the interior straw bale catch basins to ensure the capture of suspended solids and debris that may occur from the testing procedure.

Top View

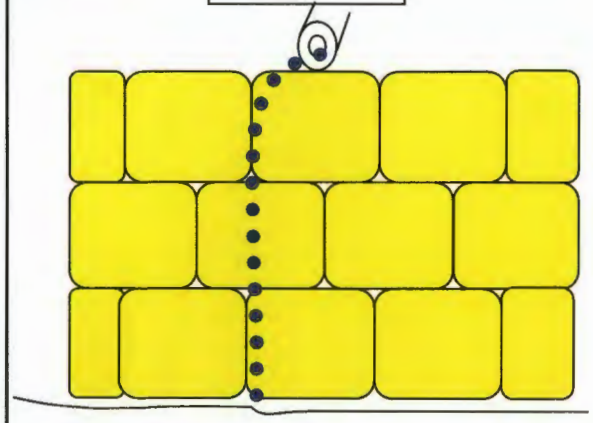
Plywood Supports: Plywood supports will be built to support the discharge point and the overflow pipe so that they do not rest on the straw bales.

Discharge points

Diffuser: A diffuser will be installed at the discharge point to dissipate the energy of the water.

Overflow Pipe

Side View



This system is designed to capture sediment and debris while allowing water to flow through. The size of the catch basin will be approximately 30x40 feet in size. This system is designed so that water will flow through the bales and filter out into the surrounding vegetation at a slow velocity. If too much water enters the catch basin, there is an overflow pipe to prevent the structure from collapse. Geotech fabric will be installed below the overflow to prevent erosion.

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DISSIPATION AND DISCHARGE SYSTEM

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K.HAGAN
APPROVED BY: AS 10-16-13

DRAWING CATEGORY 1

FIGURE 3

APPENDIX A
Certification of Siting Criteria

Certification of Siting Criteria

WEP III: Segment 7 Discharge

I, R. Gunnar Westerman, have performed a site visit to look for the presence of the items described below and have confirmed that evidence of these items was not observed within the specified distance from the discharge location. The discharge location is in the SE/4 of the SE/4 of Section 34, Township 6 South, Range 26 East in Lincoln County, NM (see Figure 2).

1. Within 200 feet of a watercourse, lakebed, sinkhole or playa lake;
2. Within an existing wellhead protection area (200 feet from a private, domestic fresh water well or spring used by less than five households for domestic or stock watering purposes or 1,000 feet from any other fresh water well or spring);
3. Within a surface expression of a subsurface mining operation or karst feature;
4. Within, or within 500 feet of, a wetland; or
5. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.

On behalf of Enterprise Products, I state that the above information is complete and true to the best of my knowledge.

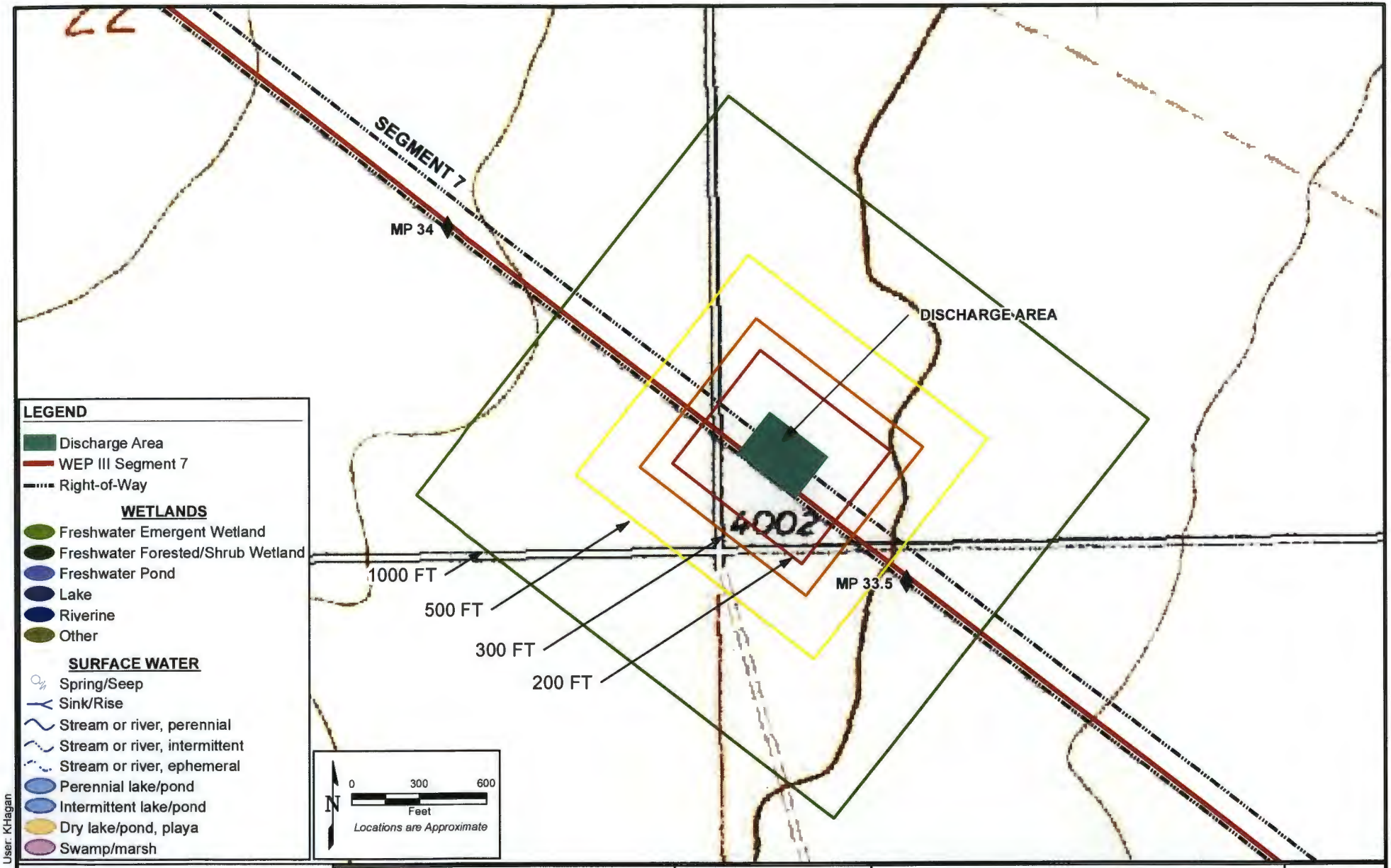
Signature

5/30/2013
Date of Site Visit

Environmental Scientist
Title:

APPENDIX B

Water Feature, Water Well Information and Floodplain Information



Sources:
SPREAD3_IFC_8470SEG7_060313_CL.shp and
SPREAD3_IFC_8470SEG7_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
National Wetlands Inventory, USF&WS
National Hydrography Dataset, USGS
USGS 7.5' Topographic Quadrangle, Hillburn City SW, NM

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SURFACE WATER AND WETLANDS NEAR THE DISCHARGE AREA, WEP III SEGMENT 7

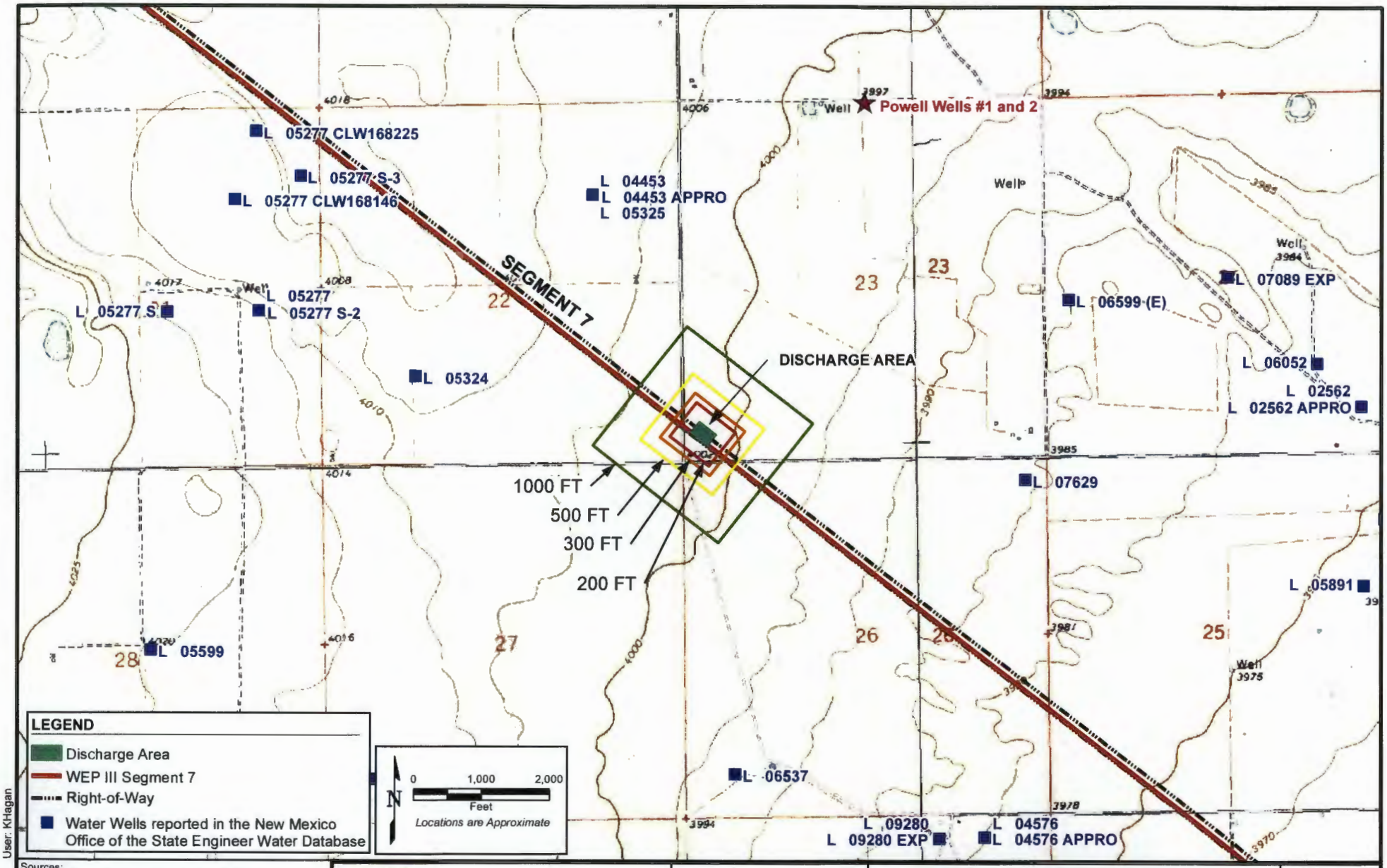
ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: BS 10-16-13

DRAWING CATEGORY: 1

FIGURE
B-1

User: KHagan
Date: 8/29/2013



User: KHagan

Date: 9/10/2013

Sources:
SPREAD3_IFC_8470SEG7_060313_CL.shp and SPREAD3_IFC_8470SEG7_060313_CROW.shp provided by JFC Engineers & Surveyors on June 18, 2013
New Mexico Office of the State Engineer, data as of 07/2011
USGS 7.5' Topographic Quadrangles, Hillburn City SW and Hillburn City, NM

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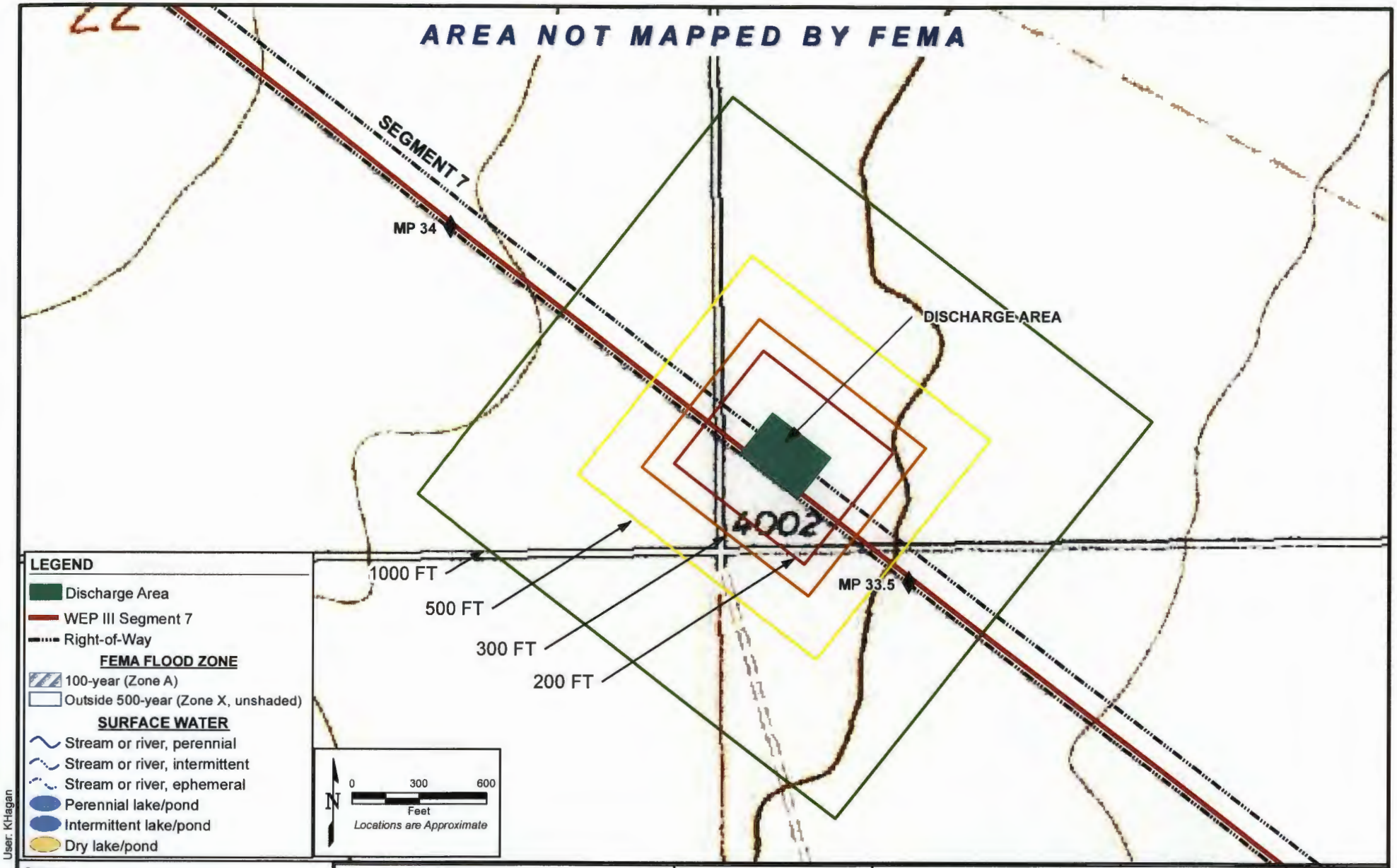
WATER WELLS IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: BS 10-16-13

DRAWING CATEGORY: 1

FIGURE **B-2**



Sources:
SPREAD3_IFC_8470SEG7_060313_CL.shp and
SPREAD3_IFC_8470SEG7_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
National Hydrography Dataset, USGS
USGS 7.5' Topographic Quadrangles, Hillburn City SW and Hillburn City, NM

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FEMA FLOOD MAP FOR THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

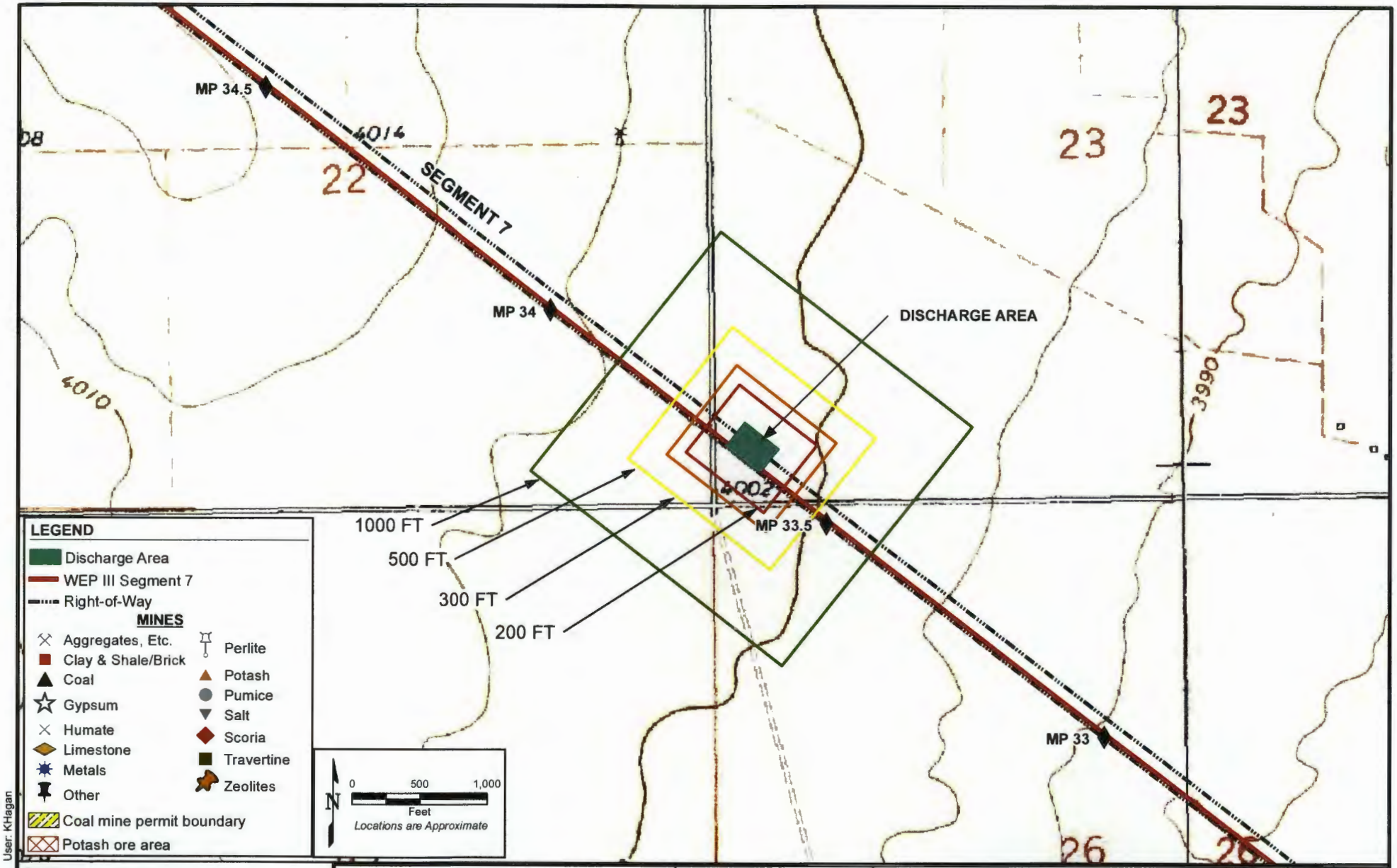
ORIGINATOR: K. HAGAN
APPROVED BY: 08/10/13

DRAWING CATEGORY: 1

FIGURE
B-3

User: KHagan
Date: 8/29/2013

APPENDIX C
Area Mine Information



Sources:
SPREAD3_IFC_8470SEG7_060313_CL.shp and SPREAD3_IFC_8470SEG7_060313_CROW.shp provided by JFC Engineers & Surveyors on June 18, 2013
New Mexico Mining and Minerals Division, February 2012
USGS 7.5' Topographic Quadrangles, Hillburn City SW and Hillburn City, NM

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ACTIVE MINES NEAR THE DISCHARGE AREA, WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10.16.13

DRAWING CATEGORY: 1

FIGURE
C-1

User: KHagan
Date: 8/29/2013

Melissa Cote

From: Tompson, Mike, EMNRD <Mike.Tompson@state.nm.us>
Sent: Wednesday, August 14, 2013 11:18 AM
To: Melissa Cote
Cc: Kretzmann, John, EMNRD
Subject: RE: Mines in the Vicinity of Hydrostatic Testing (Segment 7)

Melissa,

We have no record of abandoned mines in these sections either.

Again, please let me know if you have any questions.

Mike

From: Melissa Cote [mailto:MCote@kleinfelder.com]
Sent: Monday, August 12, 2013 12:28 PM
To: Kretzmann, John, EMNRD
Subject: Mines in the Vicinity of Hydrostatic Testing (Segment 7)

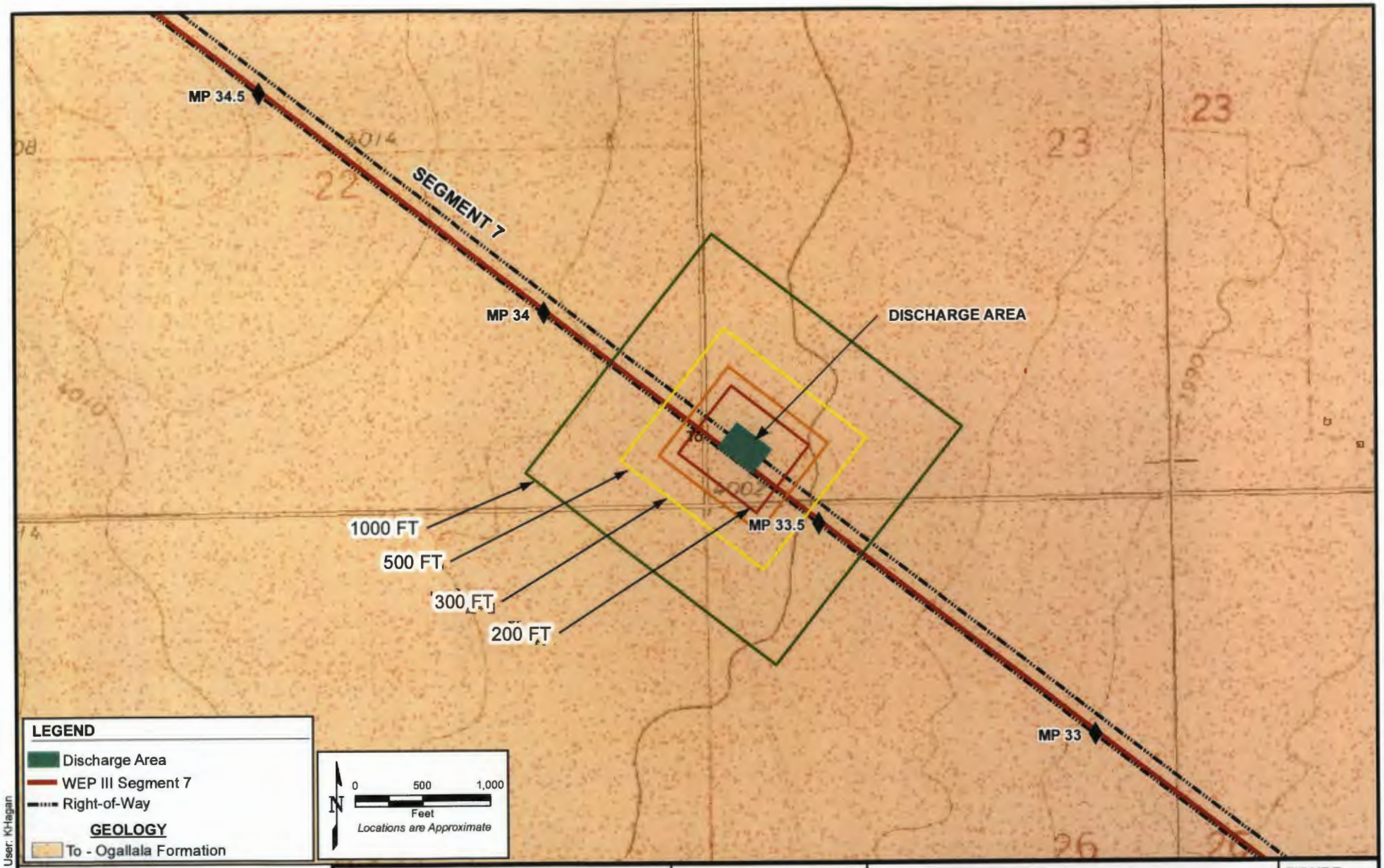
Hi John,
I am working on the permitting for segment 7 of the Enterprise pipeline. The discharge site for this segment is located in:

- Section 22 and 23 of Township 14 South, Range 35 East.

Would you be able to tell us if there are any mines in these areas?

Thank you,

Melissa Cote
Kleinfelder
505-344-7373
9019 Washington St. NE Bldg. A
Albuquerque, NM 87113



User: KHagan

Date: 8/29/2013

Sources:
SPREAD3_IFC_8470SEG7_060313_CL.shp and
SPREAD3_IFC_8470SEG7_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
USGS OFR 2005-21351
USGS 7.5' Topographic Quadrangles, Hillburn City SW and Hillburn City, NM

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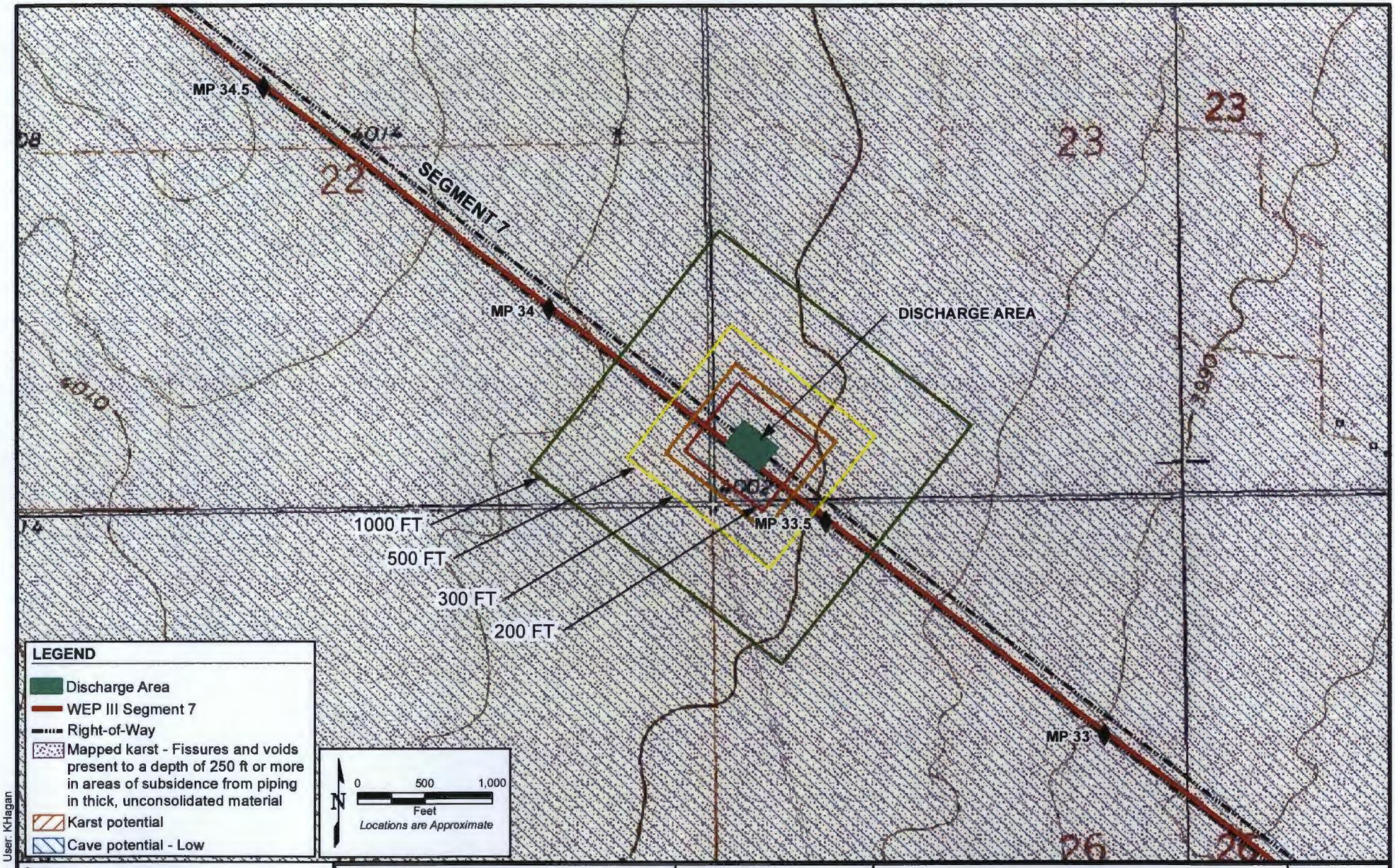
GEOLOGY IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: AS 10/6/13

DRAWING CATEGORY: 1

FIGURE
D-1



User: KHagan

Sources:
SPREAD3_IFC_8470SEG7_060313_CL.shp and
SPREAD3_IFC_8470SEG7_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
USGS OFR 2004-1352
New Mexico BLM GIS Basemap
USGS 7.5' Topographic Quadrangles, Hillburn City SW and Hillburn City, NM

Date: 10/3/2013

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KARST IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

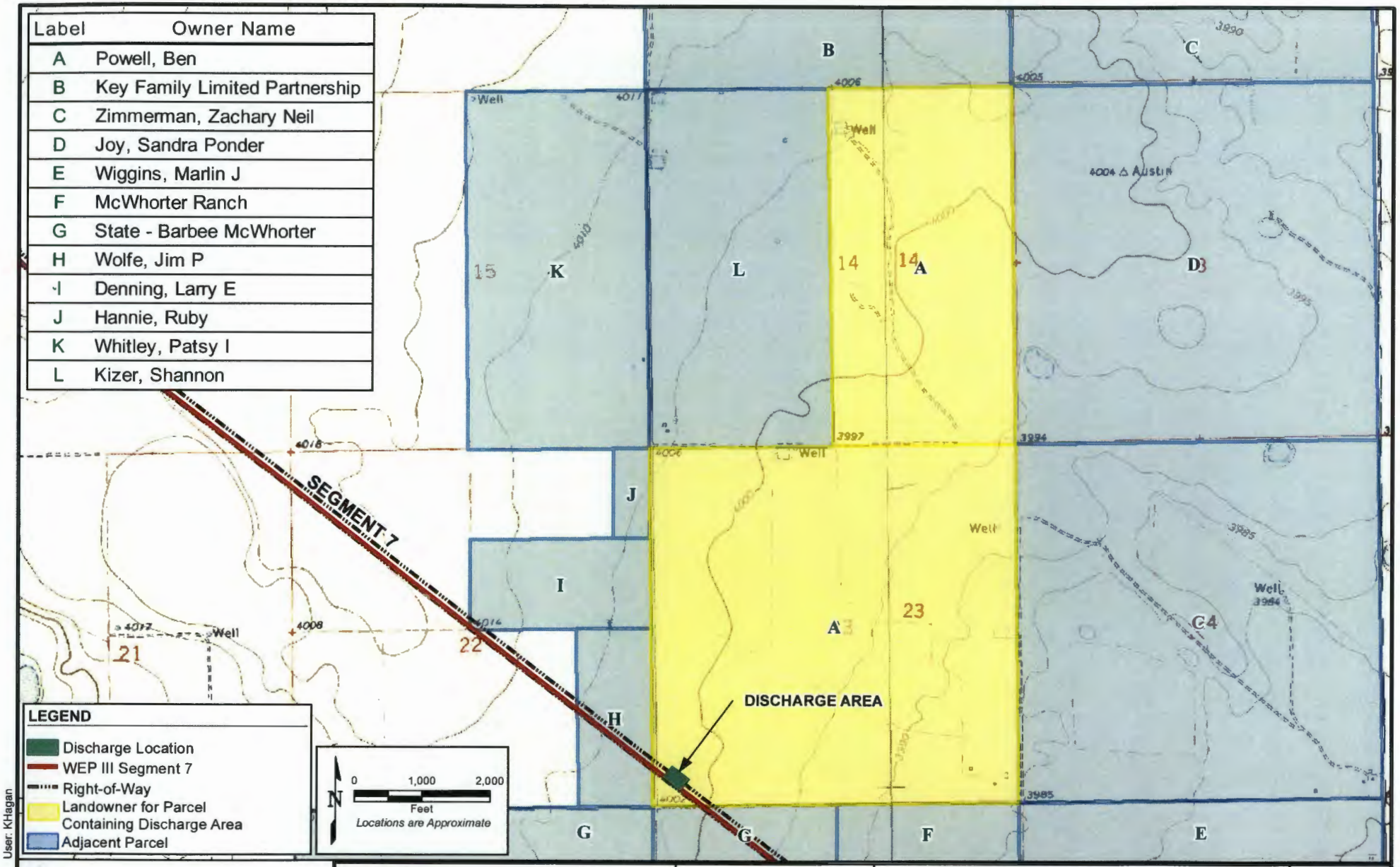
ORIGINATOR: K. HAGAN
APPROVED BY: ES 10-16-13

DRAWING CATEGORY: 1

FIGURE
D-2

APPENDIX E

Area Landownership and Permission from Landowners



Sources:
SPREAD3_IFC_8470SEG7_060313_CL.shp and
SPREAD3_IFC_8470SEG7_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
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FILE NAME:	Seg7_FigureE1.mxd

LAND OWNERSHIP IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10.16.13

DRAWING CATEGORY: 1

FIGURE
E-1

User: KHagan
Date: 9/5/2013

Enterprise Products

ENTERPRISE PRODUCTS PARTNERS L.P.
ENTERPRISE PRODUCTS HOLDINGS LLC
(General Partner)

ENTERPRISE PRODUCTS OPERATING LLC

August 23, 2013

VIA HAND DELIVERY or CERTIFIED MAIL

Ben & Elizabeth Powell
PO Box 96
McDonald, NM 88262

RE: Proposed Hydrostatic Water Discharge Site
MAPL – WEP III Project, 16 & 20 Inch Line
Tract Number: NM-LEA-42
Lea County, New Mexico

Dear Mr. & Mrs. Powell,

Mid-America Pipeline Company, LLC, a Delaware limited liability company ("MAPL"), operated by Enterprise Products Operating LLC, a Texas limited liability company (collectively referred to as "Enterprise") proposes to hydrostatically test approximately 24.9 miles (consisting of 2 sections – the longest being approximately 69,782 ft.) of its new 16-inch pipeline in Lea County, New Mexico. Enterprise proposes to use approximately 710,000 gallons (total) of well water from Mr. Ben Powell's Well.

Upon completion of the test, Enterprise plans to discharge approximately 710,000 gallons of test water onto the permanent easement and temporary construction easement (collectively referred to as "Easements") located on the property of **Ben & Elizabeth Powell** (hereinafter referred to as "Landowner"). Landowner understands that water may not be contained within Easements and may flow out onto Landowner's property and hereby grants permission to Enterprise for such activity. Water will be discharged through a hay bale filtering structure at a rate of approximately 1,500 gallons per minute. All test water will be tested and discharged in compliance with guidelines of the New Mexico Oil Conservation Division (NMOCD) Hydrostatic Discharge Permit. Discharge is currently scheduled to begin on or about November 13, 2013 and will take approximately 8 hours to complete.

A hydrostatic water discharge permit from New Mexico Oil Conservation Division is required to discharge hydrostatic test water. NMOCD application requires permission from Landowner to discharge and/or flow hydrostatic test water onto Landowner's property. Landowner permission must be acquired before application can be submitted to NMOCD. Acquisition of permit takes approximately 90 days.

Should you have questions or require additional information, please feel free to contact me in writing at Mid-America Pipeline Company, LLC 4815 Hawkins NE Suite C-3, Albuquerque, New Mexico 87109 or by telephone at 505-345-0721.

Sincerely,

Enterprise Products Operating LLC

Steve Lockwood
Contract Right of Way Agent
Representing Enterprise Products Operating LLC

P.O. BOX 4324
HOUSTON, TEXAS 77210-4324
713.381.6500

1100 LOUISIANA STREET
HOUSTON, TEXAS 77002-5227
www.enterpriseproducts.com

Your signature indicates your approval to discharge and/or flow hydrostatic test water onto your property.

Landowner(s):

Ben Powell

Ben Powell — Dated: 23 day of AUGUST, 2013

Elizabeth Powell

Elizabeth Powell — Dated: 23 day of August, 2013

Witness:

Witness — Dated: 23rd day of August, 2013

APPENDIX F
Public Notice

PUBLIC NOTICE

The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines. Enterprise Products Operating LLC (Enterprise) hereby gives notice that the following discharge permit application has been submitted to the New Mexico Oil Conservation Division (NMOCD) in accordance with Subsection B, C, E, and F of 20.6.2.3108 New Mexico Administrative Code. The local Enterprise mailing address is: Enterprise Products Operating LLC, 1031 Andrews Highway, Suite 320, Midland, TX 79701.

The purpose of hydrostatic (testing with water) pipeline testing is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. The pipeline will be filled with water, and then pressurized to a pressure higher than the standard operating pressure for a specified duration of time.

Enterprise has submitted an application for hydrostatic test water discharge that will occur on the pipeline right-of-way (ROW) and onto the adjacent property to the northeast of the ROW at latitude 33.083873°, longitude -103.386186° in Lea County, New Mexico. The location of the discharge is approximately 9.75 miles north of Lovington, New Mexico. To reach the discharge location from the intersection of US-83 and US-82 in Lovington: head north on US-82 for 3 miles; exit onto NM-206 N/Tatum Highway and continue north for 6.6 miles; turn west on County Road 107/E. Hester Road for 2 miles; turn north on County Road 103/Reed Road for 1 mile; turn west on County Road 108/Hilburn Road for 2 miles; turn north on County Road 109/Kidd Road and continue for 394 feet; and the discharge area will be on the right. The hydrostatic test is scheduled for November 25, 2013 with discharge of the test water scheduled for December 3, 2013.

The new piping, called the Western Expansion Pipeline (WEP) III Segment 7, will be hydrostatically tested. Up to 710,000 gallons of well water obtained from the Powell Wells #1 and #2 and will be piped to the new pipeline. Once the test has been completed, and prior to discharge, Enterprise will collect and analyze a sample of the water obtained from the end section of the pipeline. The sample will be analyzed for water quality. Upon NMOCD concurrence that the discharge water meets the water quality standards of NMAC 20.6.2.3103, Enterprise will discharge the water in accordance with the approved discharge permit. If discharge to the ground surface is approved, the water will be released from a pipeline and discharged to the dissipation and discharge system and allowed to flow onto ground surface within the ROW and onto the adjacent property north of the ROW (approved by landowner).

If test water exceeds discharge requirements, it will first be treated using electro-coagulation to remove constituents that exceed the discharge requirements. 400-barrel storage tanks will temporarily hold the treated water while a post-treatment sample is collected and submitted for laboratory analysis. The analytical results will be sent to NMOCD for approval and upon NMOCD concurrence that the discharge water meets the water quality standards of NMAC 20.6.2.3103, Enterprise will discharge the water in accordance with the approved discharge permit.

If the concentrations in the water still exceed discharge requirements after the treatment process, it will be transported from the project site in DOT-approved tanker trucks by an NMOCD-approved hauler to an NMOCD-approved waste water disposal facility.

The shallowest groundwater likely to be affected by a leak or accidental discharge is found at depths of 48 to 90 feet below grade. Total dissolved solids concentration of approximately 450

milligrams per kilogram is representative of the shallow aquifer in the discharge area. Water in the Powell wells is considered to be the background water standard for the discharge site and the surrounding area.

The notice of intent and discharge plan outlines how produced water and waste will be properly managed, including handling, storage, and final disposition. The plan also includes procedures for the proper management of leaks, accidental discharges, and spills to protect the waters of the State of New Mexico.
For additional information, to be placed on a specific mailing list for future notices, or to submit comments please contact:

Brad Jones, Environmental Engineer
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Phone: 505.476.3487

The NM Energy, Minerals and Natural Resources Department will accept comments and statements of interest regarding this hydrostatic test and will provide future notices for this pipeline upon request.

AVISO PUBLICO

El Departamento de Transporte de los Estados Unidos (United States Department of Transportation, USDOT) requiere hacer pruebas (presurizadas) periódicamente en toda tubería regulada por USDOT. La compañía Enterprise Products Operating, LLC (Enterprise) da aviso por este medio que la siguiente aplicación de permiso de descarga ha sido sometida al New Mexico Oil Conservation Division (NMOCD) de acuerdo con las Sub-Sección B, C, E, y F del Código Administrativo de Nuevo México (New Mexico Administrative Code, NMAC, 20.6.2.3108). La dirección de correo local de la compañía Enterprise es: Enterprise Products Operating LLC, 1031 Andrews Highway, Suite 320, Midland, Texas 79701.

El propósito de la prueba hidro-estática (prueba con agua) en la tubería es para evaluar el potencial de defectos que puedan afectar la habilidad de la tubería de sostener la máxima presión de operación permisible. La tubería será llenada con agua, y luego presurizada a una presión mayor a la presión de operación estándar por un periodo de tiempo especificado.

Enterprise ha sometido una aplicación para descargar agua de pruebas hidro-estática que ocurrirá en el área de la servidumbre de paso y sobre la propiedad adyacente hacia el noreste a una latitud de 33.083873°, y una longitud de -103.386186° en el Condado Lea, Nuevo México. El lugar de la descarga está aproximadamente a 9.75 millas al norte de Lovington, Nuevo México. Para llegar al sitio de la descarga desde la intersección de US-83 y US-82 en Lovington: ir hacia el norte sobre US-82 por 3 millas; salir sobre NM-206 N/Tatum Highway y continuar norte por 6.6 millas; dar vuelta hacia el oeste sobre County Road 107/E. Hester Road por 2 millas; dar vuelta hacia el norte sobre County Road 109/Kidd Road y continuar por 394 pies; y el área de descarga estará sobre la derecha. La prueba hidro-estática está programada para Noviembre 25, 2013 con la descarga del agua de prueba programada para Diciembre 3, 2013.

La nueva tubería, llamada Western Expansion Pipeline (WEP) III, Segmento 7, será probada hidro-estáticamente. Hasta 710,000 galones de agua de pozo obtenida de los Pozos Powell #1 y #2, y por medio de una tubería será transportada a dentro de la tubería nueva. Una vez que la prueba se haya completado, y antes de la descarga, Enterprise obtendrá y analizara una muestra de agua obtenida del extremo de la sección de tubería. La muestra será analizada para evaluar la calidad del agua. Una vez que se reciban los resultados, los resultados serán mandados a NMOCD. Al NMOCD concurrir que el agua de descarga cumple con los estándares de calidad de agua de NMAC 20.6.2.3103, Enterprise descargara el agua de acuerdo con el permiso de descarga aprobado. Si descarga en la superficie del suelo es aprobado, el agua será desalojada de una tubería y el agua de prueba será descargada al sistema de descarga y permitida fluir sobre la superficie del suelo en el área de la servidumbre de paso de la tubería y sobre propiedad adyacente hacia el norte (aprobado por el dueño de la propiedad).

Si el agua de prueba excede los requisitos de descarga, será primero tratada usando electro-coagulación para remover componentes que excedan los requisitos de descarga. 400-barriles usados como tanques de almacén temporalmente guardaran el agua tratada hasta que las muestras de después de tratamiento sean obtenidas y sometidas para análisis de laboratorio. Los resultados analíticos serán enviados a NMOCD para ser aprobados y cuando NMOCD concurra que el agua de descarga tiene los estándares de calidad de agua de NMAC 20.6.2.3103; Enterprise descargara el agua de acuerdo con el permiso de descarga aprobado.

Si después de este proceso de tratamiento, agua todavía excede los requisitos de descarga, será transportada del sitio del proyecto en camiones-pipa aprobados por el departamento de transporte por un transportista aprobado por NMOCD a un lugar aprobado por NMOCD para deshacerse del agua de prueba.

El nivel freático menos profundo que posiblemente pueda ser afectado por una fuga o descarga accidental se encuentra a profundidades de 48 a 90 pies debajo de la superficie. Concentración total de solidos disueltos de aproximadamente 450 miligramos por kilogramo es representativo del nivel freático en el área de descarga. Agua en los Pozos Powell es considerada ser el estándar de fondo para el sitio de descarga y sus alrededores.

El aviso de intención y el plan de descarga resume como el agua que se produzca será manejada, incluyendo su guardado y el proceso final para deshacerse del agua. El plan también incluye procesos para el manejo apropiado de fugas, descargas accidentales, y derrames para proteger las aguas del Estado de Nuevo México (New Mexico).

Para información adicional, ser puesto en una lista de correo específica a este proyecto para avisos futuros, o para someter comentarios, favor de contactar:

Brad Jones, Environmental Engineer
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Teléfono: 505.476.3487

El Departamento de NM de Energia, Minerales y Recursos Naturales (NM Energy, Minerales and Natural Resources Department) aceptará comentarios al respecto de esta prueba hidro-estática y proporcionará avisos futuros para esta tubería en base a petición.

APPENDIX G

Electro-Coagulation Process Information

Post-Hydrostatic Test Water On-Site Electrocoagulation Treatment

Introduction

The electro-coagulation (EC) process uses an electrical current to coagulate organic constituents and suspended solids in water. The coagulated organics have the ability to adsorb ionic constituents which makes it possible to separate out the flocculent with the majority of suspended organics and some of the ionic constituents removed. (ITRC, 2013).

At this site, it will be used to treat hydrostatic test water after the completion of testing and prior to discharge onto the ground surface.

EC Process

Water will be transferred from the pipeline with a pump and hose into two 21,000-gallon holding tanks to allow for consistent volumes to feed supply pumps. The water will be pumped from the holding tanks to the water treatment system tank. The hydrostatic test water will be treated with a zero toxicity bio-polymer and will be run through a quad filtration vessel containing 80, 5-micron filtration socks. Material Data Safety Sheets for the chemicals/additives used are attached. The water will then be pumped through a series of holding tanks and filtering systems, and then pumped with hoses and pipes into the water storage tanks. An illustration of the secondary containment areas, EC treatment system, and the storage tanks is provided as Figure G-1. A detailed schematic of the EC treatment and filtration system setup is provided as Figure G-2.

As the water is processed through the treatment vessel, the system is continuously monitored for water pressure, pH, nephelometric turbidity units (NTU), flow rate and residual bio-fouling to ensure system is operating within specifications. As filtration sacks are expended, the system is transferred to the secondary filtration system while maintenance is performed on the primary system. Treated water will be discharged by hose into approximately 43 interconnected, 400-barrel storage tanks. The water will be held in the storage tanks until analytical testing is conducted. Processing of the water through the EC system is anticipated to take approximately 6 days. All processing will occur within secondary containment and will occur in the pipeline ROW.

Post-treatment Sampling

One composite water sample will be collected from the end of the EC treatment process for purposes of discharge approval. The sample will be a composite sample collected from the following intervals/tanks: 1,000 gallons (1st tank); 178,000 gallons (11th tank); 370,000 gallons (22nd tank); 590,000 gallons (35th tank); and 706,000 gallons (43rd tank). The sample will be submitted for laboratory analysis, as described in item j. Analytical testing results are anticipated to be received within approximately 4 days.

Once the results have been received, they will be forwarded to the NMOCD. Upon NMOCD concurrence that the discharge water meets the water quality standards of NMAC 20.6.2.3103, Enterprise will discharge the water as described in *item h*.

If the results do not meet the required water quality standards, the water will pumped from the storage tanks into water trucks, using a hose or temporary piping. Transportation and disposal of the water is described in *item k*.

Any solids generated during the EC process will be managed as described in *item k*.

Best management practices
Secondary containment will be designed to hold 1 1/3 of the total volume of the 43 water storage tanks. It will be comprised of hay or dirt berms approximately 4 feet high with plastic lining the bottom of the containment area and draped over the sides of the containment. The approximate dimensions of the containment are 253 feet long by 125 feet wide.

Each individual vessel of the EC treatment system will have its own secondary containment. The storage tanks and EC treatment system will be contained within a single containment area located in the ROW.

If the test water needs to be transferred to water trucks for disposal, drip pans will be placed under hose connections and valves to prevent leaks from reaching the ground surface. Valves will be present on the water tanks and at various transfer areas to stop the flow of water if needed. Personnel will be present during transfer operations to close valves in case of leaks. Personnel will be located in the surrounding area to conduct pipeline construction and maintenance activities and can help prevent vandalism to the water tanks. Visual inspections will be conducted while the hydrostatic test water is stored in the storage tanks to ensure the absence of leaks and damage due to vandalism.

Approximately five 42-gallon drums will be used to store the spent filtration socks. The drums will be sealed and will be left inside the secondary containment area, until the EC process is complete and the solids are transported off site for disposal.

Timeline
The anticipated timeline if post treatment water is approved for discharge to the ground surface:

	Activity	Duration	Cumulative Days
1	Tested water in pipeline does not meet standards for discharge to the ground surface	0	0
2	Secondary containment constructed and tanks placed inside. IDW mobilizes to site and sets up system	7	7
3	Treatment of water through EC system	6	13
4	Collection and analysis of post – treatment water samples	4	17
5	EC system removed	1	18
6	Discharge approved by NMOCD	1	19
7	Test water discharged to ground surface and drummed solids removed from disposal area	2	21
8	Empty storage tanks removed and secondary containment dismantled	7	28

The anticipated timeline if post treated water needs to be hauled off for disposal:

	Activity	Duration	Cumulative Days
1	Tested water in pipeline does not meet standards for discharge to the ground surface	0	0
2	Secondary containment constructed and tanks placed inside. IDW mobilizes to site and sets up system	7	7
3	Treatment of water through EC system	6	13
4	Collection and analysis of post – treatment water samples	4	17

5	EC system removed	1	18
6	Test water cannot be discharged	0	18
7	Test water is transferred into water trucks and hauled offsite for disposal. Drummed solids removed for disposal	3	21
8	Empty storage tanks removed and secondary containment dismantled	7	28

Closure Plan

Upon completion of the treatment, the EC system will be removed from the site. Once the water in the storage tanks has been removed, the storage tanks will be dismantled and removed from the site. The drummed solids will be removed for disposal and the secondary containment will be dismantled. The site will be returned to preconstruction contours, as was present prior to hydrostatic test discharge.

References

Interstate Technology Regulatory Council (ITRC), 2013, Technology Overview as Part of a Web-based Technical and Regulatory Guidance, Electrocoagulation, http://www.itrcweb.org/miningwaste-guidance/to_electrocoagulation.htm.

HALOSOURCE

Date: 7/24/2012
Revision: 00

Material Safety Data Sheet
HaloKlear: DBP-2100

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name:	HaloSource, Inc.
Corporate Address:	1631 220th St. SE, Suite 100, Bothell, WA 98021
Manufacturer's Telephone:	(425) 881-6464 (Monday-Friday, 8AM-5PM PDT)
Emergency Telephone (24 Hours):	800-424-9300 CHEMTREC (Domestic, North America) 703-527-3887 CHEMTREC (International, collect calls accepted)
Material/Trade/Product Name:	**HaloKlear: DBP-2100**
Synonyms:	Poly X Socks
Chemical Name:	Proprietary
Chemical Formula:	Proprietary
CAS No.:	Proprietary
EPA Registration #:	Not applicable
Product Use:	Flocculant

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	COMPONENT	%	OSHA HAZARDOUS?
Trade Secret	*Trade Secret*	*Trade Secret*	YES

NOTE: See Section 8 for permissible exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Off-white to tan, odorless powder.

May cause irritation to eyes and respiratory tract. May cause drying or chapping or skin.

WARNING! Can contain sufficient fines to cause a combustible dust explosion. Product will burn when in contact with a flame. See Section 5 Fire Fighting Measures for more information.

POTENTIAL HEALTH EFFECTS

EYE: Dry powder may cause foreign body irritation in some individuals.

SKIN: Prolonged contact with the dry powder may cause drying or chapping.

INHALATION: Hygroscopic properties of the product can form a paste or gel in the airway. Inhalation of dust may cause respiratory tract irritation. Excessive inhalation of dust may cause coughing and sneezing.

INGESTION: Not toxic if swallowed (less than a mouthful) based on available information.

CHRONIC EXPOSURE/CARCINOGENICITY: None of the components present in this material at concentrations of equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

AGGRAVATION OF PRE-EXISTING CONDITIONS: None known.

POTENTIAL ENVIRONMENTAL EFFECTS: Contains no substances known to be hazardous to the environment.

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYE CONTACT: Remove contact lenses (if applicable), flush with water for 15 minutes. Call a physician.

SKIN CONTACT: Cleansing the skin after exposure is advisable.

INHALATION: If large amounts are inhaled, remove to fresh air and consult a physician.

INGESTION: Consult a physician if necessary.

NOTE TO PHYSICIANS: None.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not applicable
AUTOIGNITION TEMPERATURE: Not available
UPPER FLAMMABLE LIMIT: Not available
LOWER FLAMMABLE LIMIT: Not available
FLAMMABLITY CLASS (OSHA): Not applicable
FLAME PROPAGATION/BURNING RATE: Not available

UNIQUE FIRE PROPERTIES: Combustible dust which can contain sufficient fines to cause a combustible dust explosion.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide.

EXTINGUISHING MEDIA: Water, dry chemical, carbon dioxide.

PROTECTION OF FIREFIGHTERS: Treat as a "Class A" fire. Product will burn when in contact with a flame. Self extinguishers when ignition source is removed. Tends to smolder. As in any fire, wear self-contained breathing apparatus pressure-demand, and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: See Section 8 (Personal Protective Equipment).

ENVIRONMENTAL PRECAUTIONS: None known.

METHODS FOR CLEANING UP: Wet material on walking surfaces will be extremely slipper. Avoid dust formation. Use equipment designed specifically for combustible dust. Take precautionary measures against static discharges.

SECTION 7: HANDLING AND STORAGE

SAFE *HANDLING* RECOMMENDATIONS

VENTILATION: Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed.

FIRE PREVENTION: Product may form combustible dust-air mixtures. Keep away from heat, flames, sparks, and other ignition sources. Avoid emptying package in or near flammable vapors. Static charges may cause flash fire.

SPECIAL HANDLING REQUIREMENTS: Remove material from eyes, skin and clothing.

SAFE *STORAGE* RECOMMENDATIONS

CONTAINMENT: No special containment needed.

STORAGE ROOM RECOMMENDATIONS: Store in a cool, dry, well-ventilated area away from direct heat.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

STORAGE CONDITIONS: Store in cool, dry place. Keep container closed when not in use; keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits in this section.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: This product does not cause significant eye irritation or eye toxicity requiring special protection. Where there is significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.

SKIN PROTECTION: Although this product does not present a significant skin concern, minimizes skin contamination by following good industrial practice.

HAND PROTECTION: Chemical resistant gloves are recommended to minimize potential irritation from handling.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Respirator use is not required for this product.

GOOD HYGEIENE/WORK PRACTICES: Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.

EXPOSURE GUIDELINES

PERMISSIBLE EXPOSURE LIMITS			
INGREDIENT	OSHA	WISHA	ACGIH (TLV)

CAS NO.	TWA	STEL	TWA	STEL	TWA	STEL
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: Off white to tan
PHYSICAL FORM: Solid, powder
pH: Approximately neutral (1% solution)
VAPOR DENSITY: Not known
MELTING POINT: Not known
SOLUBILITY IN WATER: Fully soluble
SHAPE: Powder
ODOR: Odorless
VAPOR PRESSURE: Not known
BOILING POINT: Not known
FREEZING POINT: Not known
SPECIFIC GRAVITY OR DENSITY: Not known

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions

CONDITIONS TO AVOID: Avoid dust formation

MATERIALS TO AVOID (INCOMPATIBILITY): Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD_{50} (rat): >5,000 mg/kg

DERMAL LD_{50} (rabbit): Not available

DERMAL LD_{50} (rat): Not available

SKIN IRRITATION: Non-irritating (rabbit)

EYE IRRITATION: Non-irritating (rabbit)

SKIN SENSITIZATION: No skin allergy observed in gui8nea pig following repeated skin exposure

ADDITIONAL INFORMATION: The dry powder may cause foreign body irritation in some individuals. Prolonged contact with the dry powder may cause drying or chapping of the skin. Excessive inhalation of dust may be annoying and can mechanically impede respiration. Due to the hygroscopic properties, they can form a paste or gel in the airway.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

MOBILITY: Not available

PERSISTENCE AND DEGRADABILITY: This product is biodegradable.

BIOACCUMULATIVE POTENTIAL: Inherently biodegradable.

ADDITIONAL INFORMATION:

- 96 Hour Acute Survival
  - Rainbow Trout: LC_{50} 491 mg/L, LC_{25} 347 mg/L
  - Fathead Minnow: LC_{50} 1110 mg/L, LC_{25} 678 mg/L

- 7-Day Chronic Survival and Growth
  - Rainbow Trout: LC_{50} 510 mg/L, LC_{25} 390 mg/L
  - Fathead Minnow: LC_{50} 605 mg/L, LC_{25} 443 mg/L
  - Ceriodaphnia Dubia: LC_{50} 352 mg/L, LC_{25} 289 mg/L

- Rainbow Trout (Biomass): LC_{50} 386 mg/L, LC_{25} 262 mg/L
- Fathead Minnow (Biomass): LC_{50} 505 mg/L, LC_{25} 256 mg/L

SECTION 13: DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

NOTE: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT):

Proper Shipping Name:	Not Regulated
Hazard Class:	Not Regulated
Identification Number (UN Number):	Not Regulated
Packing Group (PG):	Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: Component(s) listed

CERCLA REPORTABLE QUANTITY (RQ):

CHEMICAL NAME	RQ
Not applicable	Not applicable

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS):

CHEMICAL NAME	TPQ	RQ
Not applicable	Not applicable	Not applicable

SARA TITLE III SECTION 311/312 HAZARD CATEGORIES: Does this product/material meet the definition of the following hazard classes according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of SARA Title III?

ACUTE HEALTH HAZARD	CHRONIC HEALTH HAZARD	FIRE HAZARD	REACTIVE HAZARD	SUDDEN RELEASE OF PRESSURE
YES	NO	YES	NO	NO

SARA TITLE III SECTION 313 TOXIC CHEMICALS INFORMATION:

CHEMICAL NAME	CAS NO.	CONCENTRATION (%)
Not applicable	Not applicable	Not applicable

CALIFORNIA PROPOSITION 65: The following chemical(s) is/are known to the state of California to cause cancer or reproductive toxicity:

CHEMICAL NAME	CAS NO.	CONCENTRATION (%)
Not applicable	Not applicable	Not applicable

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:
MSDS sections(s) changed since last revision of document:

- None, this is a new MSDS.

DISCLAIMER:
****
The above information is based upon information HaloSource, Inc. believes to be reliable and is supplied for informational purposes only. HaloSource, Inc. disclaims any liability for damage which results from the use of the above information and nothing contained therein shall constitute a guarantee, warranty (including fitness for a particular purpose) or representation with respect to the accuracy or completeness of the data, the product described or their use for any specific purpose even if that purpose is known to HaloSource, Inc. The final determination of the suitability of the information, the manner of use of the information or product and potential infringement is the sole responsibility of the user.
****

MSDS PREPARED BY: Jeremy Heath, EH&S Manager

HALOSOURCE

Date: 9/27/2011
Revision: 00

Material Safety Data Sheet

HaloKlear: Gel-Floc

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name:	HaloSource, Inc.
Corporate Address:	1631 220th St. SE, Suite 100, Bothell, WA 98021
Manufacturer's Telephone:	(425) 881-6464 (Monday-Friday, 8AM-5PM PDT)
Emergency Telephone (24 Hours):	800-424-9300 CHEMTREC (Domestic, North America) 703-527-3887 CHEMTREC (International, collect calls accepted)
Material/Trade/Product Name:	**HaloKlear: Gel-Floc MB**
Synonyms:	Chitosan Lactate
Chemical Name:	Chitosan, 2-hydroxypropanoate (salt)
Chemical Formula:	Not available
CAS No.:	66267-50-3
Product Use:	Flocculates soil contamination in storm water.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	HAZARDOUS INGREDIENT (S)	%	OSHA HAZARDOUS?
Trade Secret	*Trade Secret*	85 – 95	YES
Trade Secret	*Trade Secret*	15 – 5	YES

NOTE: See Section 8 for permissible exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

A fine, off-white powder with no odor.

This material/product may cause eye or skin irritation.

POTENTIAL HEALTH EFFECTS

EYE: May cause mechanical irritation. Will tend to form film on the surface of the eye causing blurred vision.

SKIN: Possible skin irritation or rash.

INHALATION: May aggravate pre-existing respiratory conditions or allergies. It may accumulate on linings of the nose and lungs resulting in dryness & coughing.

INGESTION: While it is not likely to be hazardous by ingestion, it may start dissolving and form a film on mucous membranes.

CHRONIC EXPOSURE/CARCINOGENICITY: Not known.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: May cause mechanical irritation. Will tend to form film on the surface of the eye causing blurred vision. Skin irritation. It may accumulate on linings of the nose and lungs resulting in dryness & coughing. May start dissolving and form a film on mucous membranes.

AGGRAVATION OF PRE-EXISTING CONDITIONS: May aggravate pre-existing respiratory conditions or allergies.

POTENTIAL ENVIRONMENTAL EFFECTS: Avoid water if material is spilled; water will dissolve chitosan lactate forming a thick viscous solution or gelatinous mass.

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

EYE CONTACT: Remove contact lenses (when applicable) and flush eyes with water for 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

INHALATION: If exposed to excessive levels of dust, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. If available give several glasses of milk. Call a physician or poison control center immediately.

NOTE TO PHYSICIANS: None.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not available
UPPER FLAMMABLE LIMIT: Not available
FLAMMABLITY CLASS (OSHA): Not applicable
AUTOIGNITION TEMPERATURE: Not available
LOWER FLAMMABLE LIMIT: Not available
FLAME PROPAGATION/BURNING RATE: Not available

UNIQUE FIRE PROPERTIES: Keep away from oxidizing agents and avoid open flames. Product may ignite at temperatures in excess of 400°F. Depending on moisture content and particle size, airborne dust of Chitosan lactate might explode in the presence of an ignition source. It is comparable to flour and wood dust.

HAZARDOUS COMBUSTION PRODUCTS: None known

EXTINGUISHING MEDIA: Water spray, CO_2 (carbon dioxide), foam or dry chemical.

PROTECTION OF FIREFIGHTERS: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire-exposed containers cool until fire is out.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: See Section 8 (Personal Protective Equipment).

ENVIRONMENTAL PRECAUTIONS: AVOID WATER; water will dissolve chitosan lactate forming a thick viscous solution or gelatinous mass.

METHODS FOR CLEANING UP: The material may be vacuumed or collected for recovery or disposal.

SECTION 7: HANDLING AND STORAGE

SAFE *HANDLING* RECOMMENDATIONS

VENTILATION: Use with adequate ventilation.

FIRE PREVENTION: No special requirements.

SPECIAL HANDLING REQUIREMENTS: None.

SAFE *STORAGE* RECOMMENDATIONS

CONTAINMENT: Keep container closed when not in use.

STORAGE ROOM RECOMMENDATIONS: Store in cool, dry areas and away from incompatible substances.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

STORAGE CONDITIONS: Store in cool, dry areas and away from incompatible substances.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation is required. None required under normal conditions of use.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: For operations where eye contact can occur, wear safety glasses.

SKIN PROTECTION: For operations where skin contact can occur, wear impervious rubber or neoprene apron.

HAND PROTECTION: For operations where hand contact can occur, wear impervious rubber or neoprene gloves.

RESPIRATORY PROTECTION: If dust is generated, a dust mask may be needed. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

GOOD HYGEIENE/WORK PRACTICES: Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.

EXPOSURE GUIDELINES

PERMISSIBLE EXPOSURE LIMITS						
INGREDIENT CAS NO.	OSHA		WISHA		ACGIH (TLV)	
	TWA	STEL	TWA	STEL	TWA	STEL

Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: Off-white.
PHYSICAL FORM: Fine powder.
pH: Not available
VAPOR DENSITY: Not available
MELTING POINT: Not available
SOLUBILITY IN WATER: Soluble
SHAPE: Fine powder.
ODOR: None
VAPOR PRESSURE: Not available
BOILING POINT: Not available
FREEZING POINT: Not available
SPECIFIC GRAVITY OR DENSITY: Not available

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: None known.

MATERIALS TO AVOID (INCOMPATIBILITY): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Not known.

SECTION 11: TOXICOLOGICAL INFORMATION

ORAL LD_{50} (mice): >10g/kg

DERMAL LD_{50} (rabbit): Not available.

SKIN IRRITATION: Not available.

EYE IRRITATION: Not available.

SKIN SENSITIZATION: Not available.

ADDITIONAL INFORMATION: Not available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY (in water):

Acute Toxicity

- Daphnia: LC50 – 135 mg/L
- Daphnia: LC25 – Not Calculable
- Fathead Minnows: LC50 – 22.8 mg/L
- Fathead Minnows: LC25 – 16.9 mg/L

- Rainbow Trout: LC50 – 6.4 mg/L
- Rainbow Trout: LC25 – 4.4 mg/L

Chronic Toxicity
- Rainbow Trout: LC50 (survival) – 5.3 mg/L, 7 days
- Rainbow Trout: LC25 (survival) – 4.8 mg/L, 7 days
- Rainbow Trout: EC25 (biomass) – 3.5 mg/L, 7 days
- Fathead Minnows: LC50 (survival) – 25.4 mg/L, 7 days
- Fathead Minnows: LC25 (survival) – Not Calculable
- Fathead Minnows: EC25 (biomass) – 13.9 mg/L, 7 days

MOBILITY: Not available.

PERSISTENCE AND DEGRADABILITY: Not available.

BIOACCUMULATIVE POTENTIAL: Not available.

ADDITIONAL INFORMATION: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

NOTE: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT):

Proper Shipping Name:	Not Regulated
Hazard Class:	Not Regulated
Identification Number (UN Number):	Not Regulated
Packing Group (PG):	Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: Listed

CERCLA REPORTABLE QUANTITY (RQ):

CHEMICAL NAME	RQ
Not applicable	Not applicable

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (EHS):

CHEMICAL NAME	TPQ	RQ

Not applicable	Not applicable	Not applicable

SARA TITLE III SECTION 311/312 HAZARD CATEGORIES: Does this product/material meet the definition of the following hazard classes according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of SARA Title III?

ACUTE HEALTH HAZARD	CHRONIC HEALTH HAZARD	FIRE HAZARD	REACTIVE HAZARD	SUDDEN RELEASE OF PRESSURE
YES	NO	NO	NO	NO

SARA TITLE III SECTION 313 TOXIC CHEMICALS INFORMATION:

CHEMICAL NAME	CAS NO.	CONCENTRATION (%)
Not applicable	Not applicable	Not applicable

CALIFORNIA PROPOSITION 65: The following chemical(s) is/are known to the state of California to cause cancer or reproductive toxicity:

CHEMICAL NAME	CAS NO.	CONCENTRATION (%)
Not applicable	Not applicable	Not applicable

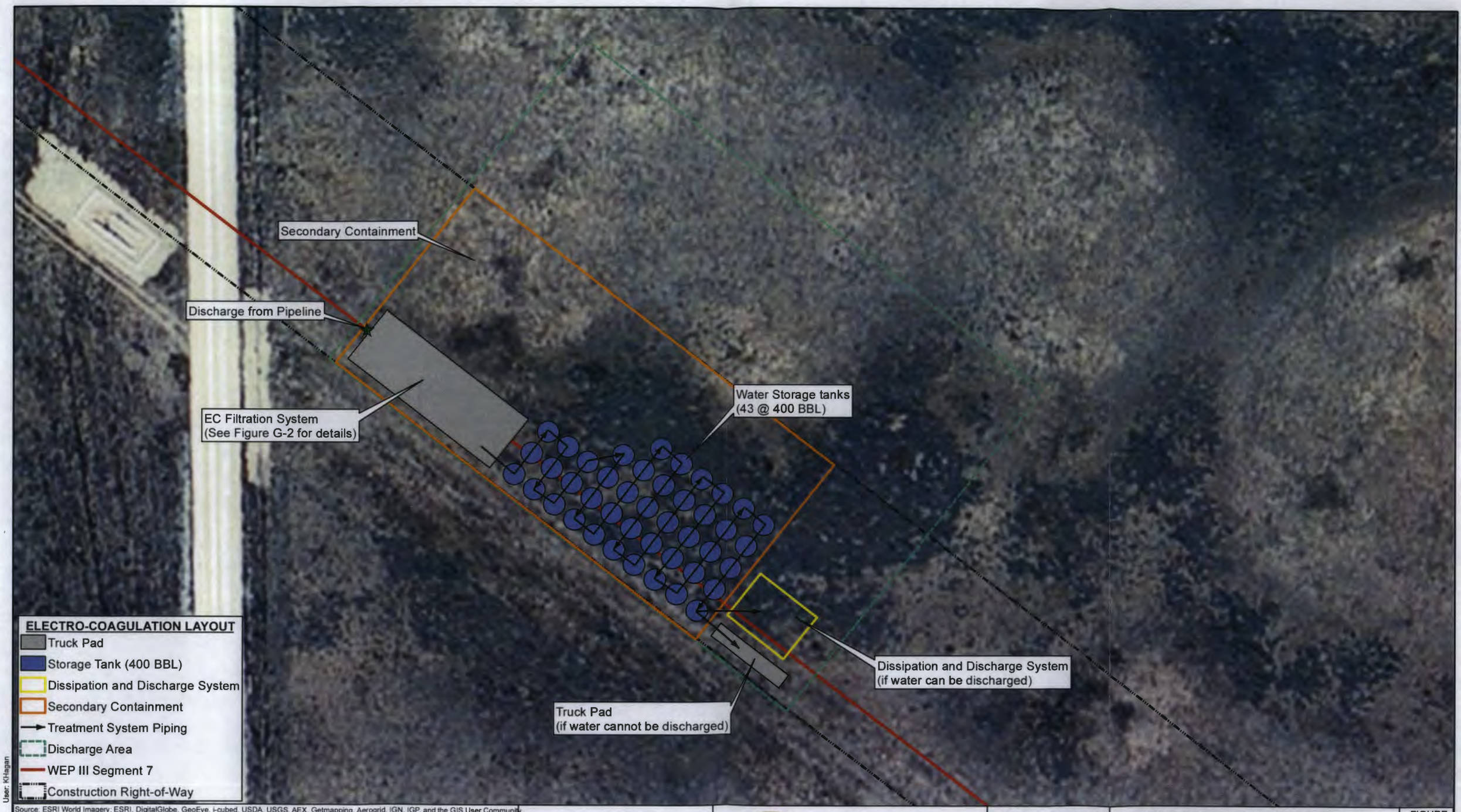
SECTION 16: OTHER INFORMATION

REVISION INFORMATION:
MSDS sections(s) changed since last revision of document:

- None, this is a new MSDS.

DISCLAIMER:
****
The above information is based upon information HaloSource, Inc. believes to be reliable and is supplied for informational purposes only. HaloSource, Inc. disclaims any liability for damage which results from the use of the above information and nothing contained therein shall constitute a guarantee, warranty (including fitness for a particular purpose) or representation with respect to the accuracy or completeness of the data, the product described or their use for any specific purpose even if that purpose is known to HaloSource, Inc. The final determination of the suitability of the information, the manner of use of the information or product and potential infringement is the sole responsibility of the user.
****

MSDS PREPARED BY: Jeremy Heath, EH&S Manager



User: KHagan

Source: ESRI World Imagery; ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community
Date of image: 10/26/2010
SPREAD3_IFC_8470SEG7_060313_CL.shp, SPREAD3_IFC_8470SEG7_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013

Date: 9/10/2013

N

25 0 25 50
Feet

Locations are Approximate

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.:	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg7_FigureG1.mxd

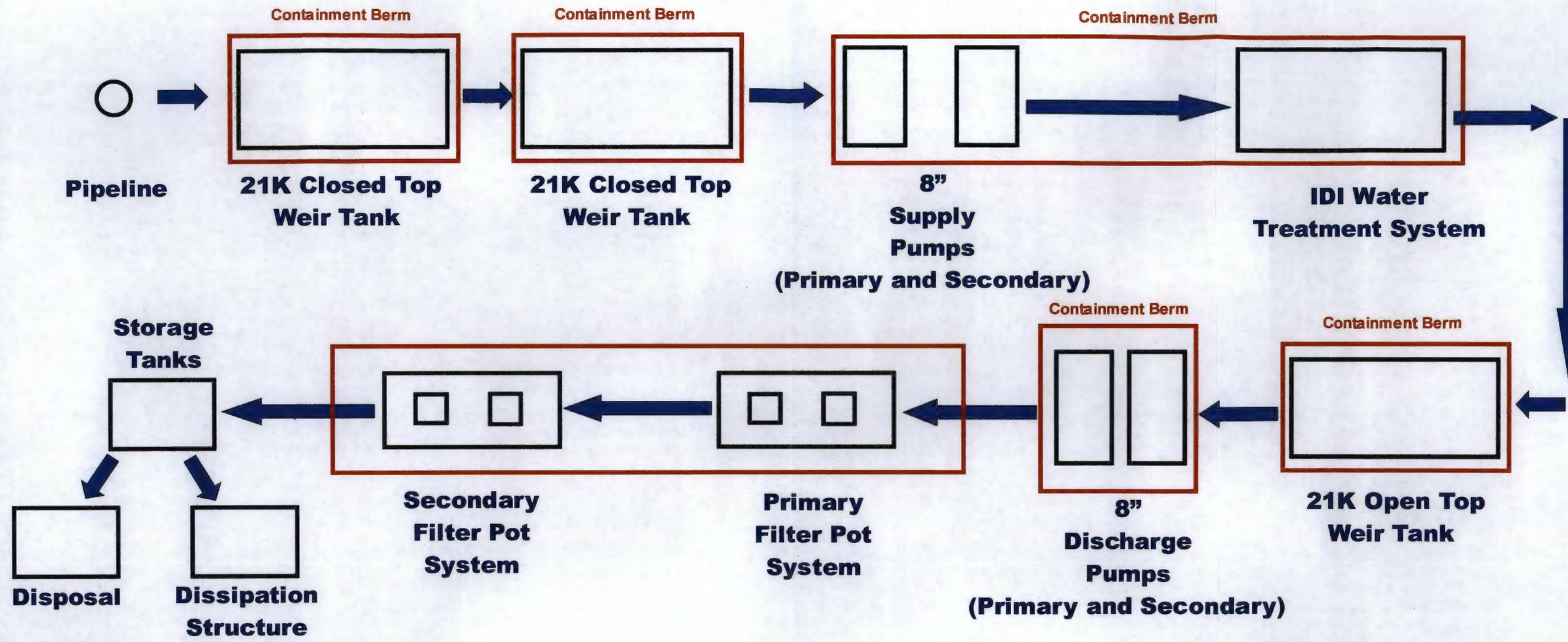
ELECTRO-COAGULATION TREATMENT AND DISCHARGE LOCATION, WEP III SEGMENT 7

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: BS 10-16-13

DRAWING CATEGORY: 1

FIGURE
G-1



Source: IDI; Process Diagram, Hydrostatic Pipeline Water Filtration, Enterprise Products, dated 07/16/13.

KLEINFELDER
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www.kleinfelder.com

PROJECT NO.:	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg7_FigureG2.mxd

PROCESS DIAGRAM
ELECTRO-COAGULATION FILTRATION SYSTEM

ENTERPRISE PRODUCTS OPERATING LLC
LEA COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10-16-13

DRAWING CATEGORY: 1

FIGURE **G-2**

User: KHagan
Date: 9/10/2013

APPENDIX H

Powell Wells Analytical Data

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 22, 2013

Kay Lambert
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505
TEL: (970) 243-3271
FAX

RE: Enterprise WEP III Water Sampling OrderNo.: 1306307

Dear Kay Lambert:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/7/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1306307**
Date Reported: **7/22/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #1
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 9:15:00 AM
Lab ID: 1306307-001 **Matrix:** AQUEOUS **Received Date:** 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB						Analyst: **LRW**	
1,2-Dibromoethane	ND	0.010		µg/L	1	6/11/2013 6:02:47 PM	7866
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	6/19/2013 6:44:47 PM	7871
Aroclor 1221	ND	1.0		µg/L	1	6/19/2013 6:44:47 PM	7871
Aroclor 1232	ND	1.0		µg/L	1	6/19/2013 6:44:47 PM	7871
Aroclor 1242	ND	1.0		µg/L	1	6/19/2013 6:44:47 PM	7871
Aroclor 1248	ND	1.0		µg/L	1	6/19/2013 6:44:47 PM	7871
Aroclor 1254	ND	1.0		µg/L	1	6/19/2013 6:44:47 PM	7871
Aroclor 1260	ND	1.0		µg/L	1	6/19/2013 6:44:47 PM	7871
Surr: Decachlorobiphenyl	113	23.9-124		%REC	1	6/19/2013 6:44:47 PM	7871
Surr: Tetrachloro-m-xylene	84.8	28.1-139		%REC	1	6/19/2013 6:44:47 PM	7871
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	6/21/2013 11:51:46 AM	7872
1-Methylnaphthalene	ND	2.0		µg/L	1	6/21/2013 11:51:46 AM	7872
2-Methylnaphthalene	ND	2.0		µg/L	1	6/21/2013 11:51:46 AM	7872
Acenaphthylene	ND	2.5		µg/L	1	6/21/2013 11:51:46 AM	7872
Acenaphthene	ND	5.0		µg/L	1	6/21/2013 11:51:46 AM	7872
Fluorene	ND	0.80		µg/L	1	6/21/2013 11:51:46 AM	7872
Phenanthrene	ND	0.60		µg/L	1	6/21/2013 11:51:46 AM	7872
Anthracene	ND	0.60		µg/L	1	6/21/2013 11:51:46 AM	7872
Fluoranthene	ND	0.30		µg/L	1	6/21/2013 11:51:46 AM	7872
Pyrene	ND	0.30		µg/L	1	6/21/2013 11:51:46 AM	7872
Benz(a)anthracene	ND	0.070		µg/L	1	6/21/2013 11:51:46 AM	7872
Chrysene	ND	0.20		µg/L	1	6/21/2013 11:51:46 AM	7872
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/21/2013 11:51:46 AM	7872
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/21/2013 11:51:46 AM	7872
Benzo(a)pyrene	ND	0.070		µg/L	1	6/21/2013 11:51:46 AM	7872
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	6/21/2013 11:51:46 AM	7872
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	6/21/2013 11:51:46 AM	7872
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/21/2013 11:51:46 AM	7872
Surr: Benzo(e)pyrene	75.0	43.2-113		%REC	1	6/21/2013 11:51:46 AM	7872
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	1.1	0.10		mg/L	1	6/7/2013 4:56:52 PM	R11189
Chloride	34	10		mg/L	20	6/7/2013 5:34:06 PM	R11189
Nitrogen, Nitrate (As N)	4.5	0.10		mg/L	1	6/7/2013 4:56:52 PM	R11189
Sulfate	83	10		mg/L	20	6/7/2013 5:34:06 PM	R11189
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Aluminum	ND	0.020		mg/L	1	6/10/2013 6:11:22 PM	R11208

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #1
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 9:15:00 AM
Lab ID: 1306307-001 **Matrix:** AQUEOUS **Received Date:** 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Barium	0.057	0.0020		mg/L	1	6/10/2013 6:11:22 PM	R11208
Boron	0.14	0.040		mg/L	1	6/10/2013 6:11:22 PM	R11208
Cadmium	ND	0.0020		mg/L	1	6/10/2013 6:11:22 PM	R11208
Chromium	ND	0.0060		mg/L	1	6/10/2013 6:11:22 PM	R11208
Cobalt	ND	0.0060		mg/L	1	6/10/2013 6:11:22 PM	R11208
Copper	ND	0.0060		mg/L	1	6/10/2013 6:11:22 PM	R11208
Iron	ND	0.020		mg/L	1	6/10/2013 6:11:22 PM	R11208
Lead	ND	0.0050		mg/L	1	6/10/2013 6:11:22 PM	R11208
Manganese	ND	0.0020		mg/L	1	6/10/2013 6:11:22 PM	R11208
Molybdenum	ND	0.0080		mg/L	1	6/10/2013 6:11:22 PM	R11208
Nickel	ND	0.010		mg/L	1	6/10/2013 6:11:22 PM	R11208
Silver	ND	0.0050		mg/L	1	6/10/2013 6:11:22 PM	R11208
Zinc	0.022	0.010		mg/L	1	6/10/2013 6:11:22 PM	R11208
EPA 200.8: DISSOLVED METALS						Analyst: **DBD**	
Arsenic	0.0080	0.0010		mg/L	1	6/26/2013 3:57:08 PM	R11577
Selenium	0.0050	0.0010		mg/L	1	6/26/2013 3:57:08 PM	R11577
Uranium	0.0030	0.0010		mg/L	1	6/26/2013 3:57:08 PM	R11577
EPA METHOD 245.1: MERCURY						Analyst: **IDC**	
Mercury	ND	0.00020		mg/L	1	6/18/2013 11:31:32 AM	7958
EPA METHOD 8260B: VOLATILES						Analyst: **CWS**	
Benzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Toluene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Ethylbenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Naphthalene	ND	2.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Acetone	ND	10		µg/L	1	6/8/2013 9:28:27 AM	R11159
Bromobenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Bromodichloromethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Bromoform	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Bromomethane	ND	3.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
2-Butanone	ND	10		µg/L	1	6/8/2013 9:28:27 AM	R11159
Carbon disulfide	ND	10		µg/L	1	6/8/2013 9:28:27 AM	R11159
Carbon Tetrachloride	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #1
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 9:15:00 AM
Lab ID: 1306307-001
Matrix: AQUEOUS
Received Date: 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CWS**	
Chlorobenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Chloroethane	ND	2.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Chloroform	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Chloromethane	ND	3.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
2-Chlorotoluene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
4-Chlorotoluene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
cis-1,2-DCE	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Dibromochloromethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Dibromomethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,1-Dichloroethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,1-Dichloroethene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2-Dichloropropane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,3-Dichloropropane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
2,2-Dichloropropane	ND	2.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,1-Dichloropropene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Hexachlorobutadiene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
2-Hexanone	ND	10		µg/L	1	6/8/2013 9:28:27 AM	R11159
Isopropylbenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
4-Isopropyltoluene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
4-Methyl-2-pentanone	ND	10		µg/L	1	6/8/2013 9:28:27 AM	R11159
Methylene Chloride	ND	3.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
n-Butylbenzene	ND	3.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
n-Propylbenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
sec-Butylbenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Styrene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
tert-Butylbenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
trans-1,2-DCE	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #1
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 9:15:00 AM
Lab ID: 1306307-001 **Matrix:** AQUEOUS **Received Date:** 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CWS**	
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Trichlorofluoromethane	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Vinyl chloride	ND	1.0		µg/L	1	6/8/2013 9:28:27 AM	R11159
Xylenes, Total	ND	1.5		µg/L	1	6/8/2013 9:28:27 AM	R11159
Surr: 1,2-Dichloroethane-d4	99.3	70-130		%REC	1	6/8/2013 9:28:27 AM	R11159
Surr: 4-Bromofluorobenzene	94.5	69.5-130		%REC	1	6/8/2013 9:28:27 AM	R11159
Surr: Dibromofluoromethane	101	70-130		%REC	1	6/8/2013 9:28:27 AM	R11159
Surr: Toluene-d8	99.0	70-130		%REC	1	6/8/2013 9:28:27 AM	R11159
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	ND	2.5		µg/L	1	6/13/2013	7895
SM4500-H+B: PH						Analyst: **JML**	
pH	7.74	1.68	H	pH units	1	6/7/2013 5:39:31 PM	R11179
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	435	20.0		mg/L	1	6/12/2013 6:12:00 PM	7859

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Anatek Labs, Inc.

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	130611042
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1306307
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	130611042-001	**Sampling Date**	6/6/2013	**Date/Time Received**	6/11/2013 12:10 PM
Client Sample ID	1306307-001I / POWELL WELL #1			**Sampling Time**	9:15 AM
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	6/17/2013	CRW	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 1306307
Pace Project No.: 3096381

Sample: 1306307-001H Powell Well #1 **Lab ID: 3096381001** Collected: 06/06/13 09:15 Received: 06/11/13 09:15 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	**0.738 ± 0.586 (0.762)**	pCi/L	06/18/13 12:26	13982-63-3	
Radium-228	EPA 904.0	**0.355 ± 0.289 (0.573)**	pCi/L	06/19/13 11:49	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 1306307
Pace Project No.: 3096381

QC Batch: RADC/16132
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Associated Lab Samples: 3096381001

METHOD BLANK: 594497
Matrix: Water
Associated Lab Samples: 3096381001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-228	0.309 ± 0.287 (0.587)	pCi/L	06/19/13 11:47	

REPORT OF LABORATORY ANALYSIS

Pace Analytical
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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 1306307
Pace Project No.: 3096381

QC Batch: RADC/16119
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Associated Lab Samples: 3096381001

METHOD BLANK: 593760
Matrix: Water
Associated Lab Samples: 3096381001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-226	-0.206 ± 0.462 (0.980)	pCi/L	06/18/13 11:04	

REPORT OF LABORATORY ANALYSIS

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	1306305-001IMS	SampType:	MS	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316871	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.51	0.020	0.5000	0	102	70	130			
Manganese	0.52	0.0020	0.5000	0.01757	100	70	130			

Sample ID	1306305-001IMSD	SampType:	MSD	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316872	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.51	0.020	0.5000	0	102	70	130	0.189	20	
Manganese	0.52	0.0020	0.5000	0.01757	99.7	70	130	0.649	20	

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	PBW	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316891	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	ND	0.020								
Barium	ND	0.0020								
Boron	ND	0.040								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Cobalt	ND	0.0060								
Copper	ND	0.0060								
Iron	ND	0.020								
Lead	ND	0.0050								
Manganese	ND	0.0020								
Molybdenum	ND	0.0080								
Nickel	ND	0.010								
Silver	ND	0.0050								
Zinc	ND	0.010								

Sample ID	LCS	SampType:	LCS	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316892	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.55	0.020	0.5000	0	111	85	115			
Barium	0.49	0.0020	0.5000	0	97.5	85	115			
Boron	0.49	0.040	0.5000	0	97.3	85	115			
Cadmium	0.49	0.0020	0.5000	0	98.4	85	115			
Chromium	0.51	0.0060	0.5000	0	102	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R11208**	RunNo: **11208**
Prep Date:	Analysis Date: **6/10/2013**	SeqNo: **316892** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cobalt	0.48	0.0060	0.5000	0	96.4	85	115			
Copper	0.48	0.0060	0.5000	0	97.0	85	115			
Iron	0.50	0.020	0.5000	0	100	85	115			
Lead	0.49	0.0050	0.5000	0	98.1	85	115			
Manganese	0.51	0.0020	0.5000	0	101	85	115			
Molybdenum	0.49	0.0080	0.5000	0	97.8	85	115			
Nickel	0.50	0.010	0.5000	0	100	85	115			
Silver	0.10	0.0050	0.1000	0	103	85	115			
Zinc	0.48	0.010	0.5000	0	96.4	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	LCS	SampType:	LCS	TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R11577	RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013	SeqNo:	328123	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	98.0	85	115			
Selenium	0.024	0.0010	0.02500	0	97.4	85	115			
Uranium	0.025	0.0010	0.02500	0	98.7	85	115			

Sample ID	LCS	SampType:	LCS	TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R11577	RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013	SeqNo:	328124	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	99.7	85	115			
Selenium	0.025	0.0010	0.02500	0	99.6	85	115			
Uranium	0.026	0.0010	0.02500	0	103	85	115			

Sample ID	MB	SampType:	MBLK	TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	PBW	Batch ID:	R11577	RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013	SeqNo:	328125	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Sample ID	MB	SampType:	MBLK	TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	PBW	Batch ID:	R11577	RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013	SeqNo:	328126	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Sample ID	1306586-002AMS	SampType:	MS	TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577	RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013	SeqNo:	329350	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.027	0.0010	0.02500	0.0003280	105	70	130			
Selenium	0.030	0.0010	0.02500	0.001294	114	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	1306587-006AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329354	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
senic	0.024	0.0010	0.02500	0.003941	82.1	70	130			

Sample ID	1306587-006AMSD	SampType:	MSD		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329355	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
senic	0.024	0.0010	0.02500	0.003941	80.7	70	130	1.41	20	

Sample ID	1306597-001EMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329369	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
senic	0.029	0.0010	0.02500	0.002526	106	70	130			
elenium	0.044	0.0010	0.02500	0.01861	100	70	130			

Sample ID	1306597-001EMSD	SampType:	MSD		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329370	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
senic	0.029	0.0010	0.02500	0.002526	105	70	130	1.55	20	
Selenium	0.042	0.0010	0.02500	0.01861	95.3	70	130	2.71	20	

Sample ID	1306710-004AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329377	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.027	0.0010	0.02500	0.003581	92.3	70	130			

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329379	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.024	0.0010	0.02500	0	96.9	85	115			
elenium	0.024	0.0010	0.02500	0	96.2	85	115			
ranium	0.026	0.0010	0.02500	0	105	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306307**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R11577**	RunNo: **11577**
Prep Date:	Analysis Date: **6/26/2013**	SeqNo: **329380** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	MB-7958	SampType:	MBLK	TestCode:	EPA Method 245.1: Mercury					
Client ID:	PBW	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321212	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-7958	SampType:	LCS	TestCode:	EPA Method 245.1: Mercury					
Client ID:	LCSW	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321213	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0049	0.00020	0.005000	0	97.5	80	120			

Sample ID	1306581-001BMS	SampType:	MS	TestCode:	EPA Method 245.1: Mercury					
Client ID:	BatchQC	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321238	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0045	0.00020	0.005000	0	90.4	75	125			

Sample ID	1306581-001BMSD	SampType:	MSD	TestCode:	EPA Method 245.1: Mercury					
Client ID:	BatchQC	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321239	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0044	0.00020	0.005000	0	88.1	75	125	2.60	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306307**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID **PBW**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316488** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
luoride	ND	0.10								
hloride	ND	0.50								
Nitrogen, N trate (As N)	ND	0.10								
ulfate	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316489** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
luoride	0.49	0.10	0.5000	0	97.3	90	110			
hloride	4.7	0.50	5.000	0	93.8	90	110			
Nitrogen, N trate (As N)	2.4	0.10	2.500	0	98.0	90	110			
Sulfate	9.5	0.50	10.00	0	95.3	90	110			

Sample D **1306307-001EMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Powell Well #1**	Batch ID: **R11189**	RunNo: **11189**
Prep Da e:	Analysis Date: **6/7/2013**	SeqNo: **316513** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	0.5000	1.094	105	76.9	114			
litrogen, Nitrate (As N)	7.2	0.10	2.500	4.486	109	93	113			

Sample ID **1306307-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Powell Well #1**	Batch ID: **R11189**	RunNo: **11189**
Prep Da e:	Analysis Date: **6/7/2013**	SeqNo: **316514** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
luoride	1.6	0.10	0.5000	1.094	105	76.9	114	0.0741	20	
litrogen, Nitrate (As N)	7.2	0.10	2.500	4.486	109	93	113	0.173	20	

Sample ID **1306305-001DMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316517** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
luoride	0.90	0.10	0.5000	0.3803	105	76.9	114			
Chloride	12	0.50	5.000	6.816	108	89.9	119			
ulfate	22	0.50	10.00	11.68	104	90.1	116			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **1306305-001DMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**

Client ID: **BatchQC** Batch ID: **R11189** RunNo: **11189**

Prep Date: Analysis Date: **6/7/2013** SeqNo: **316518** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
uoride	0.90	0.10	0.5000	0.3803	105	76.9	114	0.0442	20	
ıloride	12	0.50	5.000	6.816	108	89.9	119	0.214	20	
Sulfate	22	0.50	10.00	11.68	104	90.1	116	0.253	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Iall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

roject: Enterprise WEP III Water Sampling

Sample ID **MB-7866** SampType: **MBLK** TestCode: **EPA Method 8011/504.1: EDB**

Client ID: **PBW** Batch ID: **7866** RunNo: **11217**

Prep Date: **6/11/2013** Analysis Date: **6/11/2013** SeqNo: **317313** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	ND	0.010								

Sample ID **LCS-7866** SampType: **LCS** TestCode: **EPA Method 8011/504.1: EDB**

Client ID: **LCSW** Batch ID: **7866** RunNo: **11217**

Prep Date: **6/11/2013** Analysis Date: **6/11/2013** SeqNo: **317326** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	0.098	0.010	0.1000	0	98.0	70	130			

Sample ID **1306394-001BMS** SampType: **MS** TestCode: **EPA Method 8011/504.1: EDB**

Client ID: **BatchQC** Batch ID: **7866** RunNo: **11217**

Prep Date: **6/11/2013** Analysis Date: **6/11/2013** SeqNo: **317412** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	0.11	0.010	0.1000	0.01600	98.0	53	136			

Sample ID **1306394-001BMSD** SampType: **MSD** TestCode: **EPA Method 8011/504.1: EDB**

Client ID: **BatchQC** Batch ID: **7866** RunNo: **11217**

Prep Date: **6/11/2013** Analysis Date: **6/11/2013** SeqNo: **317413** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	0.12	0.010	0.1000	0.01600	101	53	136	2.60	20	

)ualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306307**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-7871**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **7871**	RunNo: **11395**
Prep Date: **6/11/2013**	Analysis Date: **6/19/2013**	SeqNo: **322149** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	2.3		2.500		90.8	23.9	124			
Surr: Tetrachloro-m-xylene	2.0		2.500		78.0	28.1	139			

Sample ID **LCS-7871**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **7871**	RunNo: **11395**
Prep Date: **6/11/2013**	Analysis Date: **6/19/2013**	SeqNo: **322955** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	5.5	1.0	5.000	0	111	32.3	121			
Aroclor 1260	3.9	1.0	5.000	0	78.6	34	128			
Surr: Decachlorobiphenyl	2.0		2.500		79.6	23.9	124			
Surr: Tetrachloro-m-xylene	1.6		2.500		63.6	28.1	139			

Sample ID **LCSD-7871**	SampType: **LCSD**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSS02**	Batch ID: **7871**	RunNo: **11395**
Prep Date: **6/11/2013**	Analysis Date: **6/19/2013**	SeqNo: **322969** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	5.4	1.0	5.000	0	108	32.3	121	2.60	29.9	
Aroclor 1260	4.2	1.0	5.000	0	84.7	34	128	7.45	25.9	
Surr: Decachlorobiphenyl	2.1		2.500		84.4	23.9	124	0	0	
Surr: Tetrachloro-m-xylene	1.7		2.500		67.2	28.1	139	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **315563** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene	ND	1.0								
oluene	ND	1.0								
Ethylbenzene	ND	1.0								
ethyl tert-butyl ether (MTBE)	ND	1.0								
2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1 2-Dichloroethane (EDC)	ND	1.0								
2-Dibromoethane (EDB)	ND	1.0								
aphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
Methylnaphthalene	ND	4.0								
cetone	ND	10								
Bromobenzene	ND	1.0								
romodichloromethane	ND	1.0								
romoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
arbon disulfide	ND	10								
arbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
hloroethane	ND	2.0								
hloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
ibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
,2-Dichlorobenzene	ND	1.0								
,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
,1-Dichloroethane	ND	1.0								
,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
,3-Dichloropropane	ND	1.0								
,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **5ml rb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **PBW** Batch ID: **R11159** RunNo: **11159**

Prep Date: Analysis Date: **6/7/2013** SeqNo: **315563** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
exachlorobutadiene	ND	1.0								
-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
-Isopropyltoluene	ND	1.0								
-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
ert-Butylbenzene	ND	1.0								
,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
ans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
,2,4-Trichlorobenzene	ND	1.0								
.,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
richloroethene (TCE)	ND	1.0								
richlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
ylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.1	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.3	69.5	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**

Client ID: **LCSW** Batch ID: **R11159** RunNo: **11159**

Prep Date: Analysis Date: **6/7/2013** SeqNo: **315565** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	22	1.0	20.00	0	109	80	120			
Chlorobenzene	20	1.0	20.00	0	99.9	70	130			
.,1-Dichloroethene	19	1.0	20.00	0	97.2	85.8	133			
Trichloroethene (TCE)	20	1.0	20.00	0	98.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **315565** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.0	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	69.5	130			
Surr: Dibromofluoromethane	9.9		10.00		99.4	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316066** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene	ND	1.0								
oluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
,2,4-Trimethylbenzene	ND	1.0								
,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
,2-Dibromoethane (EDB)	ND	1.0								
aphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
-Methylnaphthalene	ND	4.0								
cetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
romoform	ND	1.0								
romomethane	ND	3.0								
2-Butanone	ND	10								
arbon disulfide	ND	10								
arbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
hloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
-Chlorotoluene	ND	1.0								
is-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
ibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316066** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dichlorobenzene	ND	1.0								
,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
chlorodifluoromethane	ND	1.0								
1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1 2-Dichloropropane	ND	1.0								
3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
exachlorobutadiene	ND	1.0								
Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
Isopropyltoluene	ND	1.0								
Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
Propylbenzene	ND	1.0								
ec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
rt-Butylbenzene	ND	1.0								
,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
ans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
,2,4-Trichlorobenzene	ND	1.0								
,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
richlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
ylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.2	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.0	69.5	130			
Surr: Dibromofluoromethane	9.9		10.00		99.5	70	130			
Surr: Toluene-d8	9.7		10.00		97.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306307**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **100ng lcs ii**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316068** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene	21	1.0	20.00	0	105	70	130			
oluene	22	1.0	20.00	0	111	80	120			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1-Dichloroethene	19	1.0	20.00	0	93.8	85.8	133			
richloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	69.5	130			
Surr: Dibromofluoromethane	9.8		10.00		98.0	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **1306277-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/8/2013**	SeqNo: **316071** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Toluene	22	1.0	20.00	0	109	68.5	128			
hlorobenzene	20	1.0	20.00	0	99.9	70	130			
,1-Dichloroethene	20	1.0	20.00	0	97.9	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	104	61.3	102			S
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.3	69.5	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **1306277-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/8/2013**	SeqNo: **316072** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130	0.751	20	
oluene	21	1.0	20.00	0	103	68.5	128	5.77	20	
Chlorobenzene	19	1.0	20.00	0	97.2	70	130	2.70	20	
1,1-Dichloroethene	20	1.0	20.00	0	102	70	130	3.96	20	
richloroethene (TCE)	20	1.0	20.00	0	102	61.3	102	1.67	20	S
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.6		10.00		96.1	69.5	130	0	0	
Surr: Dibromofluoromethane	11		10.00		106	70	130	0	0	
Surr: Toluene-d8	10		10.00		100	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-7872**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **7872**	RunNo: **11451**
Prep Date: **6/11/2013**	Analysis Date: **6/21/2013**	SeqNo: **323659** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	2.0								
2-Methylnaphthalene	ND	2.0								
Acenaphthylene	ND	2.5								
Acenaphthene	ND	5.0								
Fluorene	ND	0.80								
Phenanthrene	ND	0.60								
Anthracene	ND	0.60								
Fluoranthene	ND	0.30								
Pyrene	ND	0.30								
Benz(a)anthracene	ND	0.070								
Chrysene	ND	0.20								
Benzo(b)fluoranthene	ND	0.10								
Benzo(k)fluoranthene	ND	0.070								
Benzo(a)pyrene	ND	0.070								
Dibenz(a,h)anthracene	ND	0.12								
Benzo(g,h,i)perylene	ND	0.12								
Indeno(1,2,3-cd)pyrene	ND	0.080								
Surr: Benzo(e)pyrene	12		20.00		58.3	43.2	113			

Sample ID **LCS-7872**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7872**	RunNo: **11451**
Prep Date: **6/11/2013**	Analysis Date: **6/21/2013**	SeqNo: **323663** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	57	2.0	80.00	0	71.6	50.3	86.5			
1-Methylnaphthalene	45	2.0	80.20	0	56.2	50.3	91.6			
2-Methylnaphthalene	42	2.0	80.00	0	52.8	48.2	94.9			
Acenaphthylene	60	2.5	80.20	0	74.6	53.2	93.7			
Acenaphthene	46	5.0	80.00	0	58.0	51.6	95.9			
Fluorene	4.7	0.80	8.020	0	58.1	31.9	97.4			
Phenanthrene	3.3	0.60	4.020	0	82.8	52.7	90.3			
Anthracene	3.0	0.60	4.020	0	73.4	49.9	88.1			
Fluoranthene	6.4	0.30	8.020	0	79.9	51.4	94.4			
Pyrene	4.3	0.30	8.020	0	54.1	47.7	89.5			
Benz(a)anthracene	0.66	0.070	0.8020	0	82.3	34.2	108			
Chrysene	2.8	0.20	4.020	0	69.4	32.9	96.8			
Benzo(b)fluoranthene	0.89	0.10	1.002	0	88.8	55.9	103			
Benzo(k)fluoranthene	0.43	0.070	0.5000	0	86.0	57.9	108			
Benzo(a)pyrene	0.43	0.070	0.5020	0	85.7	55.6	107			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306307**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS-7872**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7872**	RunNo: **11451**
Prep Date: **6/11/2013**	Analysis Date: **6/21/2013**	SeqNo: **323663** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
benz(a,h)anthracene	0.76	0.12	1.002	0	75.8	57.9	104			
Benzo(g,h,i)perylene	0.76	0.12	1.000	0	76.0	57.2	105			
Indeno(1,2,3-cd)pyrene	1.5	0.080	2.004	0	74.4	53.5	102			
Surr: Benzo(e)pyrene	22		20.00		109	43.2	113			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306307**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-7895**	SampType: **MBLK**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **PBW**	Batch ID: **7895**	RunNo: **11270**
Prep Date: **6/13/2013**	Analysis Date: **6/13/2013**	SeqNo: **318394** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	2.5								

Sample ID **LCS-7895**	SampType: **LCS**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **LCSW**	Batch ID: **7895**	RunNo: **11270**
Prep Date: **6/13/2013**	Analysis Date: **6/13/2013**	SeqNo: **318395** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	22	2.5	20.00	0	112	81.1	120			

Sample ID **LCSD-7895**	SampType: **LCSD**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **LCSS02**	Batch ID: **7895**	RunNo: **11270**
Prep Date: **6/13/2013**	Analysis Date: **6/13/2013**	SeqNo: **318409** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	21	2.5	20.00	0	103	81.1	120	8.69	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306307**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	**1306305-001d dup**	SampType: **dup**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R11179**		RunNo: **11179**					
Prep Date:		Analysis Date: **6/7/2013**		SeqNo: **316207**		Units: **pH units**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
H	7.83	1.68								H

Sample ID	**1306330-004c dup**	SampType: **dup**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R11179**		RunNo: **11179**					
Prep Date:		Analysis Date: **6/7/2013**		SeqNo: **316217**		Units: **pH units**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
H	7.07	1.68								H

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306307**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	MB-7859	SampType:	MBLK		TestCode:	SM2540C MOD: Total Dissolved Solids				
Client ID:	PBW	Batch ID:	7859		RunNo:	11260				
Prep Date:	6/11/2013	Analysis Date:	6/12/2013		SeqNo:	318163	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	LCS-7859	SampType:	LCS		TestCode:	SM2540C MOD: Total Dissolved Solids				
Client ID:	LCSW	Batch ID:	7859		RunNo:	11260				
Prep Date:	6/11/2013	Analysis Date:	6/12/2013		SeqNo:	318164	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1030	20.0	1000	0	103	80	120			

Sample ID	1306305-001DMS	SampType:	MS		TestCode:	SM2540C MOD: Total Dissolved Solids				
Client ID:	BatchQC	Batch ID:	7859		RunNo:	11260				
Prep Date:	6/11/2013	Analysis Date:	6/12/2013		SeqNo:	318166	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1220	20.0	1000	190.0	103	80	120			

Sample ID	1306305-001DMSD	SampType:	MSD		TestCode:	SM2540C MOD: Total Dissolved Solids				
Client ID:	BatchQC	Batch ID:	7859		RunNo:	11260				
Prep Date:	6/11/2013	Analysis Date:	6/12/2013		SeqNo:	318167	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1220	20.0	1000	190.0	103	80	120	0.328	5	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: HRL COMPLIANCE SOL Work Order Number: 1306307 RcptNo: 1

Received by/date: MG 06/07/13

Logged By: Michelle Garcia 6/7/2013 9:34:00 AM Michelle Garcia

Completed By: Michelle Garcia 6/7/2013 9:57:30 AM Michelle Garcia

Reviewed By: DO 06/07/13

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Client		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 10 (<2 or >12 unless noted)

Adjusted? NO.

Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Chain-of-Custody Record

Client: HRL Compliance Solutions Inc

Mailing Address: 2385 F ½ Rd.
Grand Junction CO 81505

Phone #: 970-462-5440

email or Fax#: fancell@hrlcomp.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☑ NELAP ☐ Other _____

☑ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name:
Enterprise WEP III water samples

Project #:
13-110.2

Project Manager:
Kay Lambert

Sampler: Gunnar Westermark

On Ice: ☑ Yes

Sample Temperature: [illegible]

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	X WQCC list				Air Bubbles (Y or N)
~~6/6/13~~		~~Sw~~	~~Powell Well #1~~	~~Various~~	~~See Container~~	~~1306307~~																
6/6/13	09:15	Sw	Powell Well #1	Various	See Container	-001												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/7/13	09:34	[signature]	[signature]	06/07/13	0934
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 22, 2013

Kay Lambert
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505
TEL: (970) 243-3271
FAX

RE: Enterprise WEP III Water Sampling OrderNo.: 1306310

Dear Kay Lambert:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/7/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #2
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 10:03:00 AM
Lab ID: 1306310-001
Matrix: AQUEOUS
Received Date: 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB						Analyst: **LRW**	
1,2-Dibromoethane	ND	0.010		µg/L	1	6/11/2013 6:45:02 PM	7866
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	6/19/2013 8:14:59 PM	7871
Aroclor 1221	ND	1.0		µg/L	1	6/19/2013 8:14:59 PM	7871
Aroclor 1232	ND	1.0		µg/L	1	6/19/2013 8:14:59 PM	7871
Aroclor 1242	ND	1.0		µg/L	1	6/19/2013 8:14:59 PM	7871
Aroclor 1248	ND	1.0		µg/L	1	6/19/2013 8:14:59 PM	7871
Aroclor 1254	ND	1.0		µg/L	1	6/19/2013 8:14:59 PM	7871
Aroclor 1260	ND	1.0		µg/L	1	6/19/2013 8:14:59 PM	7871
Surr: Decachlorobiphenyl	98.0	23.9-124		%REC	1	6/19/2013 8:14:59 PM	7871
Surr: Tetrachloro-m-xylene	84.8	28.1-139		%REC	1	6/19/2013 8:14:59 PM	7871
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	6/21/2013 12:50:21 PM	7872
1-Methylnaphthalene	ND	2.0		µg/L	1	6/21/2013 12:50:21 PM	7872
2-Methylnaphthalene	ND	2.0		µg/L	1	6/21/2013 12:50:21 PM	7872
Acenaphthylene	ND	2.5		µg/L	1	6/21/2013 12:50:21 PM	7872
Acenaphthene	ND	5.0		µg/L	1	6/21/2013 12:50:21 PM	7872
Fluorene	ND	0.80		µg/L	1	6/21/2013 12:50:21 PM	7872
Phenanthrene	ND	0.60		µg/L	1	6/21/2013 12:50:21 PM	7872
Anthracene	ND	0.60		µg/L	1	6/21/2013 12:50:21 PM	7872
Fluoranthene	ND	0.30		µg/L	1	6/21/2013 12:50:21 PM	7872
Pyrene	ND	0.30		µg/L	1	6/21/2013 12:50:21 PM	7872
Benz(a)anthracene	ND	0.070		µg/L	1	6/21/2013 12:50:21 PM	7872
Chrysene	ND	0.20		µg/L	1	6/21/2013 12:50:21 PM	7872
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/21/2013 12:50:21 PM	7872
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/21/2013 12:50:21 PM	7872
Benzo(a)pyrene	ND	0.070		µg/L	1	6/21/2013 12:50:21 PM	7872
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	6/21/2013 12:50:21 PM	7872
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	6/21/2013 12:50:21 PM	7872
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/21/2013 12:50:21 PM	7872
Surr: Benzo(e)pyrene	62.7	43.2-113		%REC	1	6/21/2013 12:50:21 PM	7872
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	1.3	0.10		mg/L	1	6/7/2013 1:13:30 PM	R11189
Chloride	37	10		mg/L	20	6/7/2013 1:25:55 PM	R11189
Nitrogen, Nitrate (As N)	3.6	0.10		mg/L	1	6/7/2013 1:13:30 PM	R11189
Sulfate	88	10		mg/L	20	6/7/2013 1:25:55 PM	R11189
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Aluminum	ND	0.020		mg/L	1	6/10/2013 6:21:28 PM	R11208

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #2
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 10:03:00 AM
Lab ID: 1306310-001 **Matrix:** AQUEOUS **Received Date:** 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Barium	0.073	0.0020		mg/L	1	6/10/2013 6:21:28 PM	R11208
Boron	0.15	0.040		mg/L	1	6/10/2013 6:21:28 PM	R11208
Cadmium	ND	0.0020		mg/L	1	6/10/2013 6:21:28 PM	R11208
Chromium	ND	0.0060		mg/L	1	6/10/2013 6:21:28 PM	R11208
Cobalt	ND	0.0060		mg/L	1	6/10/2013 6:21:28 PM	R11208
Copper	ND	0.0060		mg/L	1	6/10/2013 6:21:28 PM	R11208
Iron	ND	0.020		mg/L	1	6/10/2013 6:21:28 PM	R11208
Lead	0.0067	0.0050		mg/L	1	6/10/2013 6:21:28 PM	R11208
Manganese	ND	0.0020		mg/L	1	6/10/2013 6:21:28 PM	R11208
Molybdenum	ND	0.0080		mg/L	1	6/10/2013 6:21:28 PM	R11208
Nickel	ND	0.010		mg/L	1	6/10/2013 6:21:28 PM	R11208
Silver	ND	0.0050		mg/L	1	6/10/2013 6:21:28 PM	R11208
Zinc	0.022	0.010		mg/L	1	6/10/2013 6:21:28 PM	R11208
EPA 200.8: DISSOLVED METALS						Analyst: **DBD**	
Arsenic	0.0071	0.0010		mg/L	1	6/26/2013 4:07:50 PM	R11577
Selenium	0.0053	0.0010		mg/L	1	6/26/2013 4:07:50 PM	R11577
Uranium	0.0037	0.0010		mg/L	1	6/26/2013 4:07:50 PM	R11577
EPA METHOD 245.1: MERCURY						Analyst: **IDC**	
Mercury	ND	0.00020		mg/L	1	6/18/2013 11:35:09 AM	7958
EPA METHOD 8260B: VOLATILES						Analyst: **CWS**	
Benzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Toluene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Ethylbenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Naphthalene	ND	2.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1-Methylnaphthalene	ND	4.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
2-Methylnaphthalene	ND	4.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Acetone	ND	10		µg/L	1	6/8/2013 10:54:16 AM	R11159
Bromobenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Bromodichloromethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Bromoform	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Bromomethane	ND	3.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
2-Butanone	ND	10		µg/L	1	6/8/2013 10:54:16 AM	R11159
Carbon disulfide	ND	10		µg/L	1	6/8/2013 10:54:16 AM	R11159
Carbon Tetrachloride	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #2
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 10:03:00 AM
Lab ID: 1306310-001
Matrix: AQUEOUS
Received Date: 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CWS**	
Chlorobenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Chloroethane	ND	2.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Chloroform	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Chloromethane	ND	3.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
2-Chlorotoluene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
4-Chlorotoluene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
cis-1,2-DCE	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Dibromochloromethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Dibromomethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,1-Dichloroethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,1-Dichloroethene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2-Dichloropropane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,3-Dichloropropane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
2,2-Dichloropropane	ND	2.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,1-Dichloropropene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Hexachlorobutadiene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
2-Hexanone	ND	10		µg/L	1	6/8/2013 10:54:16 AM	R11159
Isopropylbenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
4-Isopropyltoluene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
4-Methyl-2-pentanone	ND	10		µg/L	1	6/8/2013 10:54:16 AM	R11159
Methylene Chloride	ND	3.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
n-Butylbenzene	ND	3.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
n-Propylbenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
sec-Butylbenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Styrene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
tert-Butylbenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
trans-1,2-DCE	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Powell Well #2
Project: Enterprise WEP III Water Sampling
Collection Date: 6/6/2013 10:03:00 AM
Lab ID: 1306310-001
Matrix: AQUEOUS
Received Date: 6/7/2013 9:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CWS**	
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Trichlorofluoromethane	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Vinyl chloride	ND	1.0		µg/L	1	6/8/2013 10:54:16 AM	R11159
Xylenes, Total	ND	1.5		µg/L	1	6/8/2013 10:54:16 AM	R11159
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%REC	1	6/8/2013 10:54:16 AM	R11159
Surr: 4-Bromofluorobenzene	94.9	69.5-130		%REC	1	6/8/2013 10:54:16 AM	R11159
Surr: Dibromofluoromethane	99.1	70-130		%REC	1	6/8/2013 10:54:16 AM	R11159
Surr: Toluene-d8	104	70-130		%REC	1	6/8/2013 10:54:16 AM	R11159
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	ND	2.5		µg/L	1	6/13/2013	7895
SM4500-H+B: PH						Analyst: **JML**	
pH	7.76	1.68	H	pH units	1	6/7/2013 5:48:32 PM	R11179
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	457	20.0		mg/L	1	6/12/2013 6:12:00 PM	7859

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	130611045
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1306310
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	130611045-001	**Sampling Date**	6/6/2013	**Date/Time Received**	6/11/2013 12:10 PM
Client Sample ID	1306310-001I / POWELL WELL #2			**Sampling Time**	10:03 AM
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	6/17/2013	CRW	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 1306310
Pace Project No.: 3096382

Sample: 1306310-001H Powell Well #2 **Lab ID: 3096382001** Collected: 06/06/13 10:03 Received: 06/11/13 09:15 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	**0.159 ± 0.363 (0.585)**	pCi/L	06/18/13 12:39	13982-63-3	
Radium-228	EPA 904.0	**0.284 ± 0.295 (0.612)**	pCi/L	06/19/13 11:49	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 1306310
Pace Project No.: 3096382

QC Batch: RADC/16132
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Associated Lab Samples: 3096382001

METHOD BLANK: 594497
Matrix: Water
Associated Lab Samples: 3096382001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-228	0.309 ± 0.287 (0.587)	pCi/L	06/19/13 11:47	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
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Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 1306310
Pace Project No.: 3096382

QC Batch: RADC/16119
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Associated Lab Samples: 3096382001

METHOD BLANK: 593760
Matrix: Water
Associated Lab Samples: 3096382001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-226	-0.206 ± 0.462 (0.980)	pCi/L	06/18/13 11:04	

REPORT OF LABORATORY ANALYSIS

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	1306305-001IMS	SampType:	MS	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316871	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.51	0.020	0.5000	0	102	70	130			
Manganese	0.52	0.0020	0.5000	0.01757	100	70	130			

Sample ID	1306305-001IMSD	SampType:	MSD	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316872	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	0.51	0.020	0.5000	0	102	70	130	0.189	20	
Manganese	0.52	0.0020	0.5000	0.01757	99.7	70	130	0.649	20	

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	PBW	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316891	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	ND	0.020								
Barium	ND	0.0020								
Boron	ND	0.040								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Cobalt	ND	0.0060								
Copper	ND	0.0060								
Iron	ND	0.020								
Lead	ND	0.0050								
Manganese	ND	0.0020								
Molybdenum	ND	0.0080								
Nickel	ND	0.010								
Silver	ND	0.0050								
Zinc	ND	0.010								

Sample ID	LCS	SampType:	LCS	TestCode:	EPA Method 200.7: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R11208	RunNo:	11208					
Prep Date:		Analysis Date:	6/10/2013	SeqNo:	316892	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.55	0.020	0.5000	0	111	85	115			
Barium	0.49	0.0020	0.5000	0	97.5	85	115			
Boron	0.49	0.040	0.5000	0	97.3	85	115			
Cadmium	0.49	0.0020	0.5000	0	98.4	85	115			
Chromium	0.51	0.0060	0.5000	0	102	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306310**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R11208**	RunNo: **11208**
Prep Date:	Analysis Date: **6/10/2013**	SeqNo: **316892** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
obalt	0.48	0.0060	0.5000	0	96.4	85	115			
opper	0.48	0.0060	0.5000	0	97.0	85	115			
Iron	0.50	0.020	0.5000	0	100	85	115			
ead	0.49	0.0050	0.5000	0	98.1	85	115			
langanese	0.51	0.0020	0.5000	0	101	85	115			
Molybdenum	0.49	0.0080	0.5000	0	97.8	85	115			
Nickel	0.50	0.010	0.5000	0	100	85	115			
ilver	0.10	0.0050	0.1000	0	103	85	115			
Zinc	0.48	0.010	0.5000	0	96.4	85	115			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	328123	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
rsenic	0.025	0.0010	0.02500	0	98.0	85	115			
elenium	0.024	0.0010	0.02500	0	97.4	85	115			
Uranium	0.025	0.0010	0.02500	0	98.7	85	115			

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	328124	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	99.7	85	115			
elenium	0.025	0.0010	0.02500	0	99.6	85	115			
ranium	0.026	0.0010	0.02500	0	103	85	115			

Sample ID	MB	SampType:	MBLK		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	PBW	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	328125	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
rsenic	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Sample ID	MB	SampType:	MBLK		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	PBW	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	328126	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
elenium	ND	0.0010								
Uranium	ND	0.0010								

Sample ID	1306586-002AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329350	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.027	0.0010	0.02500	0.0003280	105	70	130			
Selenium	0.030	0.0010	0.02500	0.001294	114	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306310**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	1306587-006AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329354	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.024	0.0010	0.02500	0.003941	82.1	70	130			

Sample ID	1306587-006AMSD	SampType:	MSD		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329355	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.024	0.0010	0.02500	0.003941	80.7	70	130	1.41	20	

Sample ID	1306597-001EMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329369	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.029	0.0010	0.02500	0.002526	106	70	130			
Selenium	0.044	0.0010	0.02500	0.01861	100	70	130			

Sample ID	1306597-001EMSD	SampType:	MSD		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329370	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.029	0.0010	0.02500	0.002526	105	70	130	1.55	20	
Selenium	0.042	0.0010	0.02500	0.01861	95.3	70	130	2.71	20	

Sample ID	1306710-004AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329377	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.027	0.0010	0.02500	0.003581	92.3	70	130			

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R11577		RunNo:	11577				
Prep Date:		Analysis Date:	6/26/2013		SeqNo:	329379	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.024	0.0010	0.02500	0	96.9	85	115			
Selenium	0.024	0.0010	0.02500	0	96.2	85	115			
Uranium	0.026	0.0010	0.02500	0	105	85	115			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R11577**	RunNo: **11577**
Prep Date:	Analysis Date: **6/26/2013**	SeqNo: **329380** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306310**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	MB-7958	SampType:	MBLK	TestCode:	EPA Method 245.1: Mercury					
Client ID:	PBW	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321212	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-7958	SampType:	LCS	TestCode:	EPA Method 245.1: Mercury					
Client ID:	LCSW	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321213	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0049	0.00020	0.005000	0	97.5	80	120			

Sample ID	1306581-001BMS	SampType:	MS	TestCode:	EPA Method 245.1: Mercury					
Client ID:	BatchQC	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321238	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0045	0.00020	0.005000	0	90.4	75	125			

Sample ID	1306581-001BMSD	SampType:	MSD	TestCode:	EPA Method 245.1: Mercury					
Client ID:	BatchQC	Batch ID:	7958	RunNo:	11368					
Prep Date:	6/17/2013	Analysis Date:	6/18/2013	SeqNo:	321239	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0044	0.00020	0.005000	0	88.1	75	125	2.60	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316488** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316489** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.49	0.10	0.5000	0	97.3	90	110			
Chloride	4.7	0.50	5.000	0	93.8	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	98.0	90	110			
Sulfate	9.5	0.50	10.00	0	95.3	90	110			

Sample ID **1306307-001EMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316513** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	0.5000	1.094	105	76.9	114			
Nitrogen, Nitrate (As N)	7.2	0.10	2.500	4.486	109	93	113			

Sample ID **1306307-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316514** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	0.5000	1.094	105	76.9	114	0.0741	20	
Nitrogen, Nitrate (As N)	7.2	0.10	2.500	4.486	109	93	113	0.173	20	

Sample ID **1306305-001DMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC**	Batch ID: **R11189**	RunNo: **11189**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316517** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.90	0.10	0.5000	0.3803	105	76.9	114			
Chloride	12	0.50	5.000	6.816	108	89.9	119			
Sulfate	22	0.50	10.00	11.68	104	90.1	116			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306310**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **1306305-001DMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**

Client ID: **BatchQC** Batch ID: **R11189** RunNo: **11189**

Prep Date: Analysis Date: **6/7/2013** SeqNo: **316518** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.90	0.10	0.5000	0.3803	105	76.9	114	0.0442	20	
Chloride	12	0.50	5.000	6.816	108	89.9	119	0.214	20	
Sulfate	22	0.50	10.00	11.68	104	90.1	116	0.253	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

lall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

roject: Enterprise WEP III Water Sampling

Sample ID	**MB-7866**	SampType: **MBLK**			TestCode: **EPA Method 8011/504.1: EDB**				
:lient ID:	**PBW**	Batch ID: **7866**			RunNo: **11217**				
'rep Date:	**6/11/2013**	Analysis Date: **6/11/2013**			SeqNo: **317313**	Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	ND	0.010								

Sample ID	**LCS-7866**	SampType: **LCS**			TestCode: **EPA Method 8011/504.1: EDB**				
:lient ID:	**LCSW**	Batch ID: **7866**			RunNo: **11217**				
'rep Date:	**6/11/2013**	Analysis Date: **6/11/2013**			SeqNo: **317326**	Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	0.098	0.010	0.1000	0	98.0	70	130			

Sample ID	**1306394-001BMS**	SampType: **MS**			TestCode: **EPA Method 8011/504.1: EDB**				
:lient ID:	**BatchQC**	Batch ID: **7866**			RunNo: **11217**				
'rep Date:	**6/11/2013**	Analysis Date: **6/11/2013**			SeqNo: **317412**	Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	0.11	0.010	0.1000	0.01600	98.0	53	136			

Sample ID	**1306394-001BMSD**	SampType: **MSD**			TestCode: **EPA Method 8011/504.1: EDB**				
:lient ID:	**BatchQC**	Batch ID: **7866**			RunNo: **11217**				
'rep Date:	**6/11/2013**	Analysis Date: **6/11/2013**			SeqNo: **317413**	Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dibromoethane	0.12	0.010	0.1000	0.01600	101	53	136	2.60	20	

'ualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-7871**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **7871**	RunNo: **11395**
Prep Date: **6/11/2013**	Analysis Date: **6/19/2013**	SeqNo: **322149** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	2.3		2.500		90.8	23.9	124			
Surr: Tetrachloro-m-xylene	2.0		2.500		78.0	28.1	139			

Sample ID **LCS-7871**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **7871**	RunNo: **11395**
Prep Date: **6/11/2013**	Analysis Date: **6/19/2013**	SeqNo: **322955** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	5.5	1.0	5.000	0	111	32.3	121			
Aroclor 1260	3.9	1.0	5.000	0	78.6	34	128			
Surr: Decachlorobiphenyl	2.0		2.500		79.6	23.9	124			
Surr: Tetrachloro-m-xylene	1.6		2.500		63.6	28.1	139			

Sample ID **LCSD-7871**	SampType: **LCSD**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSS02**	Batch ID: **7871**	RunNo: **11395**
Prep Date: **6/11/2013**	Analysis Date: **6/19/2013**	SeqNo: **322969** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	5.4	1.0	5.000	0	108	32.3	121	2.60	29.9	
Aroclor 1260	4.2	1.0	5.000	0	84.7	34	128	7.45	25.9	
Surr: Decachlorobiphenyl	2.1		2.500		84.4	23.9	124	0	0	
Surr: Tetrachloro-m-xylene	1.7		2.500		67.2	28.1	139	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**	
Client ID: **PBW**	Batch ID: **R11159**	RunNo: **11159**	
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **315563**	Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene	ND	1.0								
oluene	ND	1.0								
Ethylbenzene	ND	1.0								
ethyl tert-butyl ether (MTBE)	ND	1.0								
2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
2-Dibromoethane (EDB)	ND	1.0								
aphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
-Methylnaphthalene	ND	4.0								
cetone	ND	10								
Bromobenzene	ND	1.0								
romodichloromethane	ND	1.0								
romoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
arbon disulfide	ND	10								
arbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
hloroethane	ND	2.0								
hloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
ibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
,2-Dichlorobenzene	ND	1.0								
,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
,1-Dichloroethane	ND	1.0								
,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
,3-Dichloropropane	ND	1.0								
,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: 1306310

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID 5ml rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES
Client ID: PBW	Batch ID: R11159	RunNo: 11159
Prep Date:	Analysis Date: 6/7/2013	SeqNo: 315563 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.1	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.3	69.5	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES
Client ID: LCSW	Batch ID: R11159	RunNo: 11159
Prep Date:	Analysis Date: 6/7/2013	SeqNo: 315565 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	70	130			
Toluene	22	1.0	20.00	0	109	80	120			
Chlorobenzene	20	1.0	20.00	0	99.9	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	97.2	85.8	133			
Trichloroethene (TCE)	20	1.0	20.00	0	98.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306310**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **315565** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.0	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	69.5	130			
Surr: Dibromofluoromethane	9.9		10.00		99.4	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316066** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316066** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Dichlorobenzene	ND	1.0								
3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
ichlorodifluoromethane	ND	1.0								
1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
exachlorobutadiene	ND	1.0								
-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
-Isopropyltoluene	ND	1.0								
-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
-Propylbenzene	ND	1.0								
ec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
rt-Butylbenzene	ND	1.0								
1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
ans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
richloroethene (TCE)	ND	1.0								
richlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
ylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.2	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.0	69.5	130			
Surr: Dibromofluoromethane	9.9		10.00		99.5	70	130			
Surr: Toluene-d8	9.7		10.00		97.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **100ng lcs ii**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/7/2013**	SeqNo: **316068** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130			
Toluene	22	1.0	20.00	0	111	80	120			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	93.8	85.8	133			
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	69.5	130			
Surr: Dibromofluoromethane	9.8		10.00		98.0	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID **1306277-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/8/2013**	SeqNo: **316071** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Toluene	22	1.0	20.00	0	109	68.5	128			
Chlorobenzene	20	1.0	20.00	0	99.9	70	130			
1,1-Dichloroethene	20	1.0	20.00	0	97.9	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	104	61.3	102			S
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.3	69.5	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID **1306277-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R11159**	RunNo: **11159**
Prep Date:	Analysis Date: **6/8/2013**	SeqNo: **316072** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130	0.751	20	
Toluene	21	1.0	20.00	0	103	68.5	128	5.77	20	
Chlorobenzene	19	1.0	20.00	0	97.2	70	130	2.70	20	
1,1-Dichloroethene	20	1.0	20.00	0	102	70	130	3.96	20	
Trichloroethene (TCE)	20	1.0	20.00	0	102	61.3	102	1.67	20	S
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.6		10.00		96.1	69.5	130	0	0	
Surr: Dibromofluoromethane	11		10.00		106	70	130	0	0	
Surr: Toluene-d8	10		10.00		100	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- O RSD is greater than RSDlimit
- P Sample pH greater than 2 for VOA and TOC only.
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306310**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-7872**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **7872**	RunNo: **11451**
Prep Date: **6/11/2013**	Analysis Date: **6/21/2013**	SeqNo: **323659** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	2.0								
2-Methylnaphthalene	ND	2.0								
Acenaphthylene	ND	2.5								
Acenaphthene	ND	5.0								
Fluorene	ND	0.80								
Phenanthrene	ND	0.60								
Anthracene	ND	0.60								
Fluoranthene	ND	0.30								
Pyrene	ND	0.30								
Benz(a)anthracene	ND	0.070								
Chrysene	ND	0.20								
Benzo(b)fluoranthene	ND	0.10								
Benzo(k)fluoranthene	ND	0.070								
Benzo(a)pyrene	ND	0.070								
Dibenz(a,h)anthracene	ND	0.12								
Benzo(g,h,i)perylene	ND	0.12								
Indeno(1,2,3-cd)pyrene	ND	0.080								
Surr: Benzo(e)pyrene	12		20.00		58.3	43.2	113			

Sample ID **LCS-7872**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7872**	RunNo: **11451**
Prep Date: **6/11/2013**	Analysis Date: **6/21/2013**	SeqNo: **323663** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	57	2.0	80.00	0	71.6	50.3	86.5			
1-Methylnaphthalene	45	2.0	80.20	0	56.2	50.3	91.6			
2-Methylnaphthalene	42	2.0	80.00	0	52.8	48.2	94.9			
Acenaphthylene	60	2.5	80.20	0	74.6	53.2	93.7			
Acenaphthene	46	5.0	80.00	0	58.0	51.6	95.9			
Fluorene	4.7	0.80	8.020	0	58.1	31.9	97.4			
Phenanthrene	3.3	0.60	4.020	0	82.8	52.7	90.3			
Anthracene	3.0	0.60	4.020	0	73.4	49.9	88.1			
Fluoranthene	6.4	0.30	8.020	0	79.9	51.4	94.4			
Pyrene	4.3	0.30	8.020	0	54.1	47.7	89.5			
Benz(a)anthracene	0.66	0.070	0.8020	0	82.3	34.2	108			
Chrysene	2.8	0.20	4.020	0	69.4	32.9	96.8			
Benzo(b)fluoranthene	0.89	0.10	1.002	0	88.8	55.9	103			
Benzo(k)fluoranthene	0.43	0.070	0.5000	0	86.0	57.9	108			
Benzo(a)pyrene	0.43	0.070	0.5020	0	85.7	55.6	107			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS-7872**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7872**	RunNo: **11451**
Prep Date: **6/11/2013**	Analysis Date: **6/21/2013**	SeqNo: **323663** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	0.76	0.12	1.002	0	75.8	57.9	104			
Benzo(g,h,i)perylene	0.76	0.12	1.000	0	76.0	57.2	105			
Indeno(1,2,3-cd)pyrene	1.5	0.080	2.004	0	74.4	53.5	102			
Surr: Benzo(e)pyrene	22		20.00		109	43.2	113			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	MB-7895	SampType:	MBLK	TestCode:	Total Phenolics by SW-846 9067					
Client ID:	PBW	Batch ID:	7895	RunNo:	11270					
Prep Date:	6/13/2013	Analysis Date:	6/13/2013	SeqNo:	318394	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
henolics, Total Recoverable	ND	2.5								

Sample ID	LCS-7895	SampType:	LCS	TestCode:	Total Phenolics by SW-846 9067					
Client ID:	LCSW	Batch ID:	7895	RunNo:	11270					
Prep Date:	6/13/2013	Analysis Date:	6/13/2013	SeqNo:	318395	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
henolics, Total Recoverable	22	2.5	20.00	0	112	81.1	120			

Sample ID	LCSD-7895	SampType:	LCSD	TestCode:	Total Phenolics by SW-846 9067					
Client ID:	LCSS02	Batch ID:	7895	RunNo:	11270					
Prep Date:	6/13/2013	Analysis Date:	6/13/2013	SeqNo:	318409	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
henolics, Total Recoverable	21	2.5	20.00	0	103	81.1	120	8.69	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306310**

Hall Environmental Analysis Laboratory, Inc.

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID	**1306305-001d dup**	SampType: **dup**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R11179**		RunNo: **11179**					
Prep Date:		Analysis Date: **6/7/2013**		SeqNo: **316207**		Units: **pH units**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
H	7.83	1.68								H

Sample ID	**1306330-004c dup**	SampType: **dup**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R11179**		RunNo: **11179**					
Prep Date:		Analysis Date: **6/7/2013**		SeqNo: **316217**		Units: **pH units**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
H	7.07	1.68								H

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306310**

22-Jul-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-7859**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **7859**	RunNo: **11260**
Prep Date: **6/11/2013**	Analysis Date: **6/12/2013**	SeqNo: **318163** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID **LCS-7859**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **7859**	RunNo: **11260**
Prep Date: **6/11/2013**	Analysis Date: **6/12/2013**	SeqNo: **318164** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1030	20.0	1000	0	103	80	120			

Sample ID **1306305-001DMS**	SampType: **MS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **BatchQC**	Batch ID: **7859**	RunNo: **11260**
Prep Date: **6/11/2013**	Analysis Date: **6/12/2013**	SeqNo: **318166** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1220	20.0	1000	190.0	103	80	120			

Sample ID **1306305-001DMSD**	SampType: **MSD**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **BatchQC**	Batch ID: **7859**	RunNo: **11260**
Prep Date: **6/11/2013**	Analysis Date: **6/12/2013**	SeqNo: **318167** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1220	20.0	1000	190.0	103	80	120	0.328	5	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: HRL COMPLIANCE SOL Work Order Number: 1306310 RcptNo: 1

Received by/date: MG 06/07/13

Logged By: Michelle Garcia 6/7/2013 9:34:00 AM Michelle Garcia

Completed By: Michelle Garcia 6/7/2013 10:14:26 AM Michelle Garcia

Reviewed By: TO 06/07/13

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Client		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Chain-of-Custody Record

Client: HRL Compliance Solutions Inc.

Mailing Address: 2385 F ½ rd.
Grand Junction CO 81635

Phone #: 970-462-5440

email or Fax#: tancell@hrlcomp.com

QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☑ NELAP ☐ Other

☑ EDD (Type)

Turn-Around Time: ☑ Standard ☐ Rush

Project Name: Enterprise WEP III Water Sampling

Project #: 13-110.2

Project Manager: Kay Lambert

Sampler: Gunnar Westerman

[illegible] ☑ Yes ☐ No

Sample Temperature: [illegible]

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC List				Air Bubbles (Y or N)
6/6/13	10:03	SW	Powell Well #2	Various	See Container	-001												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/7/13	09:34	R. Gunnar Westerman	[signature]	06/07/13	0934

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.