HIP - __127__

GENERAL CORRESPONDENCE

YEAR(S): 2013 to Present

Jones, Brad A., EMNRD

From: White, James <JAGWHITE@eprod.com>
Sent: Thursday, December 26, 2013 11:27 AM
To: Jones, Brad A., EMNRD
Cc: Bates, Ricky; 'Leland "Luke" Davis (luke1d@msn.com)'; Seale, Runell; Heap, James; Anderson, Don; Thompson, Roger; Long, Thomas; Theresa Ancell; Sartor, Rodney; Nolan, Shiver
Subject: WEP III, Seg 6 - Hydrotest H2O Analyticals - Haul
Attachments: Rpt_1312524_Final_v1.pdf

Brad,

Please find attached lab results for hydrostatic test water from WEP III, Segment 6. This water is being hauled to an OCD-approved disposal facility as outlined in an NOI for HIP-127.

Thank you,
Jimmy

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

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 23, 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.: 1312524

Dear Kay Lambert:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/12/2013 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 6 Post Test 508+00
Project: Enterprise WEP III Water Sampling
Collection Date: 12/12/2013 7:45:00 AM
Lab ID: 1312524-001 **Matrix:** AQUEOUS **Received Date:** 12/12/2013 9:04:00 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	12/16/2013 9:32:10 PM	10822
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	12/17/2013 4:44:35 PM	10796
Aroclor 1221	ND	1.0		µg/L	1	12/17/2013 4:44:35 PM	10796
Aroclor 1232	ND	1.0		µg/L	1	12/17/2013 4:44:35 PM	10796
Aroclor 1242	ND	1.0		µg/L	1	12/17/2013 4:44:35 PM	10796
Aroclor 1248	ND	1.0		µg/L	1	12/17/2013 4:44:35 PM	10796
Aroclor 1254	ND	1.0		µg/L	1	12/17/2013 4:44:35 PM	10796
Aroclor 1260	ND	1.0		µg/L	1	12/17/2013 4:44:35 PM	10796
Surr: Decachlorobiphenyl	70.0	17-123		%REC	1	12/17/2013 4:44:35 PM	10796
Surr: Tetrachloro-m-xylene	54.8	22.6-113		%REC	1	12/17/2013 4:44:35 PM	10796
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	12/17/2013 2:40:35 PM	10797
1-Methylnaphthalene	ND	2.0		µg/L	1	12/17/2013 2:40:35 PM	10797
2-Methylnaphthalene	ND	2.0		µg/L	1	12/17/2013 2:40:35 PM	10797
Acenaphthylene	ND	2.5		µg/L	1	12/17/2013 2:40:35 PM	10797
Acenaphthene	ND	5.0		µg/L	1	12/17/2013 2:40:35 PM	10797
Fluorene	ND	0.80		µg/L	1	12/17/2013 2:40:35 PM	10797
Phenanthrene	ND	0.60		µg/L	1	12/17/2013 2:40:35 PM	10797
Anthracene	ND	0.60		µg/L	1	12/17/2013 2:40:35 PM	10797
Fluoranthene	ND	0.30		µg/L	1	12/17/2013 2:40:35 PM	10797
Pyrene	ND	0.30		µg/L	1	12/17/2013 2:40:35 PM	10797
Benz(a)anthracene	ND	0.070		µg/L	1	12/17/2013 2:40:35 PM	10797
Chrysene	ND	0.20		µg/L	1	12/17/2013 2:40:35 PM	10797
Benzo(b)fluoranthene	ND	0.10		µg/L	1	12/17/2013 2:40:35 PM	10797
Benzo(k)fluoranthene	ND	0.070		µg/L	1	12/17/2013 2:40:35 PM	10797
Benzo(a)pyrene	ND	0.070		µg/L	1	12/17/2013 2:40:35 PM	10797
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	12/17/2013 2:40:35 PM	10797
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	12/17/2013 2:40:35 PM	10797
Indeno(1,2,3-cd)pyrene	ND	0.25		µg/L	1	12/17/2013 2:40:35 PM	10797
Surr: Benzo(e)pyrene	84.4	24.5-139		%REC	1	12/17/2013 2:40:35 PM	10797
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	ND	0.50		mg/L	5	12/12/2013 3:12:11 PM	R15478
Chloride	180	10		mg/L	20	12/12/2013 3:24:35 PM	R15478
Nitrogen, Nitrate (As N)	0.96	0.50		mg/L	5	12/12/2013 3:12:11 PM	R15478
Sulfate	240	2.5		mg/L	5	12/12/2013 3:12:11 PM	R15478
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		

Analytical Report
Lab Order **1312524**
Date Reported: **12/23/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Seg 6 Post Test 508+00
Project: Enterprise WEP III Water Sampling
Collection Date: 12/12/2013 7:45:00 AM
Lab ID: 1312524-001 **Matrix:** AQUEOUS **Received Date:** 12/12/2013 9:04:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Aluminum	ND	0.020		mg/L	1	12/13/2013 12:58:14 PM	R15486
Barium	0.0089	0.0020		mg/L	1	12/13/2013 12:58:14 PM	R15486
Boron	0.050	0.040		mg/L	1	12/13/2013 12:58:14 PM	R15486
Cadmium	ND	0.0020		mg/L	1	12/13/2013 12:58:14 PM	R15486
Chromium	ND	0.0060		mg/L	1	12/13/2013 12:58:14 PM	R15486
Cobalt	ND	0.0060		mg/L	1	12/13/2013 12:58:14 PM	R15486
Copper	ND	0.0060		mg/L	1	12/13/2013 12:58:14 PM	R15486
Iron	ND	0.020		mg/L	1	12/13/2013 12:58:14 PM	R15486
Lead	0.0097	0.0050		mg/L	1	12/13/2013 12:58:14 PM	R15486
Manganese	0.62	0.0020	*	mg/L	1	12/13/2013 12:58:14 PM	R15486
Molybdenum	ND	0.0080		mg/L	1	12/13/2013 12:58:14 PM	R15486
Nickel	ND	0.010		mg/L	1	12/13/2013 12:58:14 PM	R15486
Silver	ND	0.0050		mg/L	1	12/13/2013 12:58:14 PM	R15486
Zinc	0.068	0.010		mg/L	1	12/13/2013 2:48:51 PM	R15486
EPA 200.8: DISSOLVED METALS						Analyst: **DBD**	
Arsenic	ND	0.0010		mg/L	1	12/13/2013 4:15:23 PM	R15491
Selenium	0.0030	0.0010		mg/L	1	12/13/2013 4:15:23 PM	R15491
Uranium	ND	0.0010		mg/L	1	12/13/2013 4:15:23 PM	R15491
EPA METHOD 245.1: MERCURY						Analyst: **TES**	
Mercury	ND	0.00020		mg/L	1	12/17/2013 11:50:06 AM	10814
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Benzene	2.3	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Toluene	7.4	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Ethylbenzene	3.5	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2,4-Trimethylbenzene	1.8	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Naphthalene	ND	2.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1-Methylnaphthalene	ND	4.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
2-Methylnaphthalene	ND	4.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Acetone	11	10		µg/L	1	12/12/2013 7:56:22 PM	R15469
Bromobenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Bromodichloromethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Bromoform	1.2	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Bromomethane	ND	3.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
2-Butanone	ND	10		µg/L	1	12/12/2013 7:56:22 PM	R15469

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 6 Post Test 508+00
Project: Enterprise WEP III Water Sampling
Collection Date: 12/12/2013 7:45:00 AM
Lab ID: 1312524-001 **Matrix:** AQUEOUS **Received Date:** 12/12/2013 9:04:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
Carbon disulfide	ND	10		µg/L	1	12/12/2013 7:56:22 PM	R15469
Carbon Tetrachloride	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Chlorobenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Chloroethane	ND	2.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Chloroform	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Chloromethane	ND	3.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
2-Chlorotoluene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
4-Chlorotoluene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
cis-1,2-DCE	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Dibromochloromethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Dibromomethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,1-Dichloroethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,1-Dichloroethene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2-Dichloropropane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,3-Dichloropropane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
2,2-Dichloropropane	ND	2.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,1-Dichloropropene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Hexachlorobutadiene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
2-Hexanone	ND	10		µg/L	1	12/12/2013 7:56:22 PM	R15469
Isopropylbenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
4-Isopropyltoluene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
4-Methyl-2-pentanone	ND	10		µg/L	1	12/12/2013 7:56:22 PM	R15469
Methylene Chloride	ND	3.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
n-Butylbenzene	ND	3.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
n-Propylbenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
sec-Butylbenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Styrene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
tert-Butylbenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
trans-1,2-DCE	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Seg 6 Post Test 508+00
Project: Enterprise WEP III Water Sampling
Collection Date: 12/12/2013 7:45:00 AM
Lab ID: 1312524-001 **Matrix:** AQUEOUS **Received Date:** 12/12/2013 9:04:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **cadg**	
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Trichlorofluoromethane	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Vinyl chloride	ND	1.0		µg/L	1	12/12/2013 7:56:22 PM	R15469
Xylenes, Total	8.4	1.5		µg/L	1	12/12/2013 7:56:22 PM	R15469
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%REC	1	12/12/2013 7:56:22 PM	R15469
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	12/12/2013 7:56:22 PM	R15469
Surr: Dibromofluoromethane	99.6	70-130		%REC	1	12/12/2013 7:56:22 PM	R15469
Surr: Toluene-d8	89.1	70-130		%REC	1	12/12/2013 7:56:22 PM	R15469
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	2.8	2.5		µg/L	1	12/19/2013	10891
SM4500-H+B: PH						Analyst: **SRM**	
pH	7.38	1.68	H	pH units	1	12/12/2013 2:28:21 PM	R15468
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	668	40.0	*	mg/L	1	12/19/2013 8:21:00 PM	10859

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		

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 #:**	131213044
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1312524
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	131213044-001	**Sampling Date**	12/12/2013	**Date/Time Received**	12/13/2013 12:25 PM
Client Sample ID	1312524-001I / SEG 6 POST TEST 508+00			**Sampling Time**	7:45 AM
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	12/18/2013	CRW	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

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

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312524**

23-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: **R15486**	RunNo: **15486**
Prep Date:	Analysis Date: **12/13/2013**	SeqNo: **445734** 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								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R15486**	RunNo: **15486**
Prep Date:	Analysis Date: **12/13/2013**	SeqNo: **445735** 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	109	85	115			
Barium	0.51	0.0020	0.5000	0	103	85	115			
Boron	0.50	0.040	0.5000	0	101	85	115			
Cadmium	0.51	0.0020	0.5000	0	103	85	115			
Chromium	0.53	0.0060	0.5000	0	106	85	115			
Cobalt	0.51	0.0060	0.5000	0	102	85	115			
Copper	0.48	0.0060	0.5000	0	96.8	85	115			
Iron	0.52	0.020	0.5000	0	104	85	115			
Lead	0.52	0.0050	0.5000	0	103	85	115			
Manganese	0.52	0.0020	0.5000	0	105	85	115			
Molybdenum	0.52	0.0080	0.5000	0	103	85	115			
Nickel	0.52	0.010	0.5000	0	104	85	115			
Silver	0.099	0.0050	0.1000	0	98.8	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R15486**	RunNo: **15486**
Prep Date:	Analysis Date: **12/13/2013**	SeqNo: **445779** 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								

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#: **1312524**

23-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: **R15486**	RunNo: **15486**
Prep Date:	Analysis Date: **12/13/2013**	SeqNo: **445779** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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: **R15486**	RunNo: **15486**
Prep Date:	Analysis Date: **12/13/2013**	SeqNo: **445780** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.54	0.020	0.5000	0	109	85	115			
Barium	0.51	0.0020	0.5000	0	102	85	115			
Boron	0.51	0.040	0.5000	0	101	85	115			
Cadmium	0.51	0.0020	0.5000	0	102	85	115			
Chromium	0.53	0.0060	0.5000	0	106	85	115			
Cobalt	0.50	0.0060	0.5000	0	101	85	115			
Copper	0.49	0.0060	0.5000	0	97.1	85	115			
Iron	0.52	0.020	0.5000	0	104	85	115			
Manganese	0.52	0.0020	0.5000	0	104	85	115			
Molybdenum	0.52	0.0080	0.5000	0	103	85	115			
Nickel	0.50	0.010	0.5000	0	99.1	85	115			
Silver	0.10	0.0050	0.1000	0	101	85	115			
Zinc	0.51	0.010	0.5000	0	102	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
- 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

WO#: 1312524

Hall Environmental Analysis Laboratory, Inc.

23-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: **R15491**	RunNo: **15491**
Prep Date:	Analysis Date: **12/13/2013**	SeqNo: **445901** 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	103	85	115			
Selenium	0.026	0.0010	0.02500	0	102	85	115			
Uranium	0.026	0.0010	0.02500	0	106	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R15491**	RunNo: **15491**
Prep Date:	Analysis Date: **12/13/2013**	SeqNo: **445902** 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.
- 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#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10814**	SampType: **MBLK**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **PBW**	Batch ID: **10814**	RunNo: **15552**
Prep Date: **12/16/2013**	Analysis Date: **12/17/2013**	SeqNo: **447358** Units: **mg/L**

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

Sample ID **LCS-10814**	SampType: **LCS**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **LCSW**	Batch ID: **10814**	RunNo: **15552**
Prep Date: **12/16/2013**	Analysis Date: **12/17/2013**	SeqNo: **447361** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	96.8	80	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#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A5** SampType: **CCV_5** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445505** 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	98.2	90	110			
Chloride	8.0	0.50	8.000	0	99.5	90	110			
Nitrogen, Nitrate (As N)	5.0	0.10	4.800	0	104	90	110			
Sulfate	20	0.50	20.00	0	102	90	110			

Sample ID **MB** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445507** 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: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445508** 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	99.1	90	110			
Chloride	4.9	0.50	5.000	0	97.3	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	102	90	110			
Sulfate	10	0.50	10.00	0	101	90	110			

Sample ID **A4** SampType: **CCV_4** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445517** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.98	0.10	1.000	0	97.9	90	110			
Chloride	4.7	0.50	5.000	0	95.0	90	110			
Nitrogen, Nitrate (As N)	2.9	0.10	3.000	0	98.1	90	110			
Sulfate	12	0.50	12.50	0	98.1	90	110			

Sample ID **A5** SampType: **CCV_5** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445529** Units: **mg/L**

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

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#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A5** SampType: **CCV_5** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445529** 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	101	90	110			
Chloride	8.0	0.50	8.000	0	99.4	90	110			
Nitrogen, Nitrate (As N)	5.0	0.10	4.800	0	104	90	110			
Sulfate	20	0.50	20.00	0	102	90	110			

Sample ID **A4** SampType: **CCV_4** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445541** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.99	0.10	1.000	0	99.2	90	110			
Chloride	4.8	0.50	5.000	0	95.4	90	110			
Nitrogen, Nitrate (As N)	2.9	0.10	3.000	0	96.9	90	110			
Sulfate	12	0.50	12.50	0	98.1	90	110			

Sample ID **A6** SampType: **CCV_6** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445553** 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	103	90	110			
Chloride	13	0.50	12.00	0	104	90	110			
Nitrogen, Nitrate (As N)	7.9	0.10	7.200	0	109	90	110			
Sulfate	32	0.50	30.00	0	106	90	110			

Sample ID **A4** SampType: **CCV_4** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R15478** RunNo: **15478**
Prep Date: Analysis Date: **12/12/2013** SeqNo: **445562** 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	4.8	0.50	5.000	0	95.5	90	110			
Nitrogen, Nitrate (As N)	3.0	0.10	3.000	0	98.5	90	110			
Sulfate	12	0.50	12.50	0	98.3	90	110			

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
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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#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10822**	SampType: **MBLK**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW**	Batch ID: **10822**	RunNo: **15527**
Prep Date: **12/16/2013**	Analysis Date: **12/16/2013**	SeqNo: **447079** 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-10822**	SampType: **LCS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW**	Batch ID: **10822**	RunNo: **15527**
Prep Date: **12/16/2013**	Analysis Date: **12/16/2013**	SeqNo: **447080** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.11	0.010	0.1000	0	113	70	130			

Sample ID **LCSD-10822**	SampType: **LCSD**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSS02**	Batch ID: **10822**	RunNo: **15527**
Prep Date: **12/16/2013**	Analysis Date: **12/16/2013**	SeqNo: **447081** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.11	0.010	0.1000	0	108	70	130	4.52	20	

Qualifiers:

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- E Value above quantitation range
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- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
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- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10796**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **10796**	RunNo: **15544**
Prep Date: **12/16/2013**	Analysis Date: **12/17/2013**	SeqNo: **447133** 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	1.8		2.500		73.2	17	123			
Surr: Tetrachloro-m-xylene	1.8		2.500		74.0	22.6	113			

Sample ID **LCS-10796**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **10796**	RunNo: **15544**
Prep Date: **12/16/2013**	Analysis Date: **12/17/2013**	SeqNo: **447135** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.2	1.0	5.000	0	63.8	18.6	134			
Aroclor 1260	3.8	1.0	5.000	0	75.7	35.7	137			
Surr: Decachlorobiphenyl	1.7		2.500		68.8	17	123			
Surr: Tetrachloro-m-xylene	1.6		2.500		64.4	22.6	113			

Qualifiers:

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- B Analyte detected in the associated Method Blank
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QC SUMMARY REPORT

WO#: **1312524**

Hall Environmental Analysis Laboratory, Inc.

23-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: **R15469**	RunNo: **15469**
Prep Date:	Analysis Date: **12/12/2013**	SeqNo: **445229** 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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- B Analyte detected in the associated Method Blank
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- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1312524**

23-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: **R15469**	RunNo: **15469**
Prep Date:	Analysis Date: **12/12/2013**	SeqNo: **445229** 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	9.5		10.00		94.5	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		110	70	130			
Surr: Dibromofluoromethane	10		10.00		99.6	70	130			
Surr: Toluene-d8	9.7		10.00		97.0	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R15469**	RunNo: **15469**
Prep Date:	Analysis Date: **12/12/2013**	SeqNo: **445257** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	94.3	70	130			
Toluene	18	1.0	20.00	0	89.9	82.2	124			
Chlorobenzene	18	1.0	20.00	0	88.4	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#: **1312524**

23-Dec-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: **R15469**	RunNo: **15469**
Prep Date:	Analysis Date: **12/12/2013**	SeqNo: **445257** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21	1.0	20.00	0	107	83.5	155			
Trichloroethene (TCE)	17	1.0	20.00	0	86.8	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.1	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	9.7		10.00		97.4	70	130			
Surr: Toluene-d8	9.2		10.00		91.6	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

WO#: **1312524**

Hall Environmental Analysis Laboratory, Inc.

23-Dec-13

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

Sample ID **MB-10797**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **10797**	RunNo: **15541**
Prep Date: **12/16/2013**	Analysis Date: **12/17/2013**	SeqNo: **447054** 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	21		20.00		104	24.5	139			

Sample ID **LCS-10797**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **10797**	RunNo: **15541**
Prep Date: **12/16/2013**	Analysis Date: **12/17/2013**	SeqNo: **447058** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	41	2.0	80.00	0	51.6	43.8	96.9			
1-Methylnaphthalene	36	2.0	80.20	0	44.8	41.3	87.3			
2-Methylnaphthalene	34	2.0	80.00	0	42.0	36.6	89.6			
Acenaphthylene	46	2.5	80.20	0	57.7	43.6	103			
Acenaphthene	37	5.0	80.00	0	46.1	42.4	87.6			
Fluorene	3.9	0.80	8.020	0	48.1	40.5	93.6			
Phenanthrene	2.2	0.60	4.020	0	53.7	43.9	111			
Anthracene	2.2	0.60	4.020	0	56.0	44.3	103			
Fluoranthene	4.6	0.30	8.020	0	57.5	43.5	109			
Pyrene	4.8	0.30	8.020	0	59.7	32.6	103			
Benz(a)anthracene	0.46	0.070	0.8020	0	57.4	43	114			
Chrysene	2.2	0.20	4.020	0	54.0	40.2	100			
Benzo(b)fluoranthene	0.57	0.10	1.002	0	56.9	44.4	118			
Benzo(k)fluoranthene	0.29	0.070	0.5000	0	58.0	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#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS-10797**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **10797**	RunNo: **15541**
Prep Date: **12/16/2013**	Analysis Date: **12/17/2013**	SeqNo: **447058** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.28	0.070	0.5020	0	55.8	34.5	118			
Dibenz(a,h)anthracene	0.59	0.12	1.002	0	58.9	38.3	107			
Benzo(g,h,i)perylene	0.55	0.12	1.000	0	55.0	38.4	110			
Indeno(1,2,3-cd)pyrene	1.3	0.25	2.004	0	64.4	42.4	113			
Surr: Benzo(e)pyrene	15		20.00		74.8	24.5	139			

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#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10891**	SampType: **MBLK**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **PBW**	Batch ID: **10891**	RunNo: **15597**
Prep Date: **12/19/2013**	Analysis Date: **12/19/2013**	SeqNo: **449210** 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-10891**	SampType: **LCS**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **LCSW**	Batch ID: **10891**	RunNo: **15597**
Prep Date: **12/19/2013**	Analysis Date: **12/19/2013**	SeqNo: **449211** 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	73.7	135			

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#: **1312524**

23-Dec-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-10859**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **10859**	RunNo: **15629**
Prep Date: **12/18/2013**	Analysis Date: **12/19/2013**	SeqNo: **450619** 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-10859**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **10859**	RunNo: **15629**
Prep Date: **12/18/2013**	Analysis Date: **12/19/2013**	SeqNo: **450620** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1000	20.0	1000	0	100	80	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

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: 1312524 RcptNo: 1

Received by/date: AT 12/12/13

Logged By: Anne Thorne 12/12/2013 9:04:00 AM Anne Thorne

Completed By: Anne Thorne 12/12/2013 Anne Thorne

Reviewed By: AT 12/12/13

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: 4 1 (<2 or >12 unless noted)

Adjusted? _____

Checked by: AT 12/12/13

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	2,8	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#: 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

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.9

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. 1312524	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	Mines Ba 226/228 At 12/12/13			Air Bubbles (Y or N)
12/12/13	7:45	SW	Seg. 6 Post Test 50+00	Various	See Container	-001												X	X			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/12/13	09:04			12/12/13	0904
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 12:23 PM
To: Jones, Brad A., EMNRD
Cc: Bates, Ricky; 'Leland "Luke" Davis (luke1d@msn.com)'; Seale, Runell; Anderson, Don; Heap, James; Thompson, Roger; Sartor, Rodney; Theresa Ancell; Barbara Everett; Eileen L. Shannon (EShannon@kleinfelder.com); Nolan, Shiver; Mendez, Brenda
Subject: HIP-127, WEP III, Segment 6

Brad,

From an account of my records, final discharge permit HIP-127 has not been issued following public notice for Segment 6. Enterprise is no longer pursuing discharge of hydrotest water to the ground under HIP-127 for Segment 6. Enterprise has completed hydrotesting of Segment 6 and is hauling water to one of the disposal wells listed in the WEP III, Segment 6 NOI.

Thank you,
Jimmy

James G. "Jimmy" White
713-381-1785 Direct
713-392-2458 Mobile
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

October 23, 2013

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

Re: Hydrostatic Test Discharge Permit
Permit: HIP-127
Enterprise Products Operating, LLC
Western Expansion Pipeline III, Segment 6
Locations: Unit P of Section 34, Township 6 South, Range 26 East, NMPM, Chaves County, New Mexico

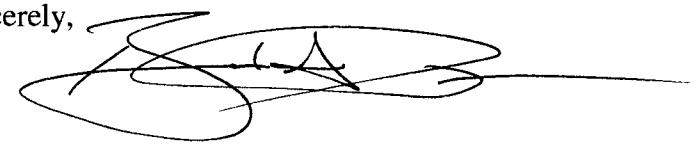
Dear Ms. Nolan:

The New Mexico Oil Conservation Division (OCD) has received Enterprise Products Operating LLC's (Enterprise) notice of intent, dated October 17, 2013 and received by OCD on October 23, 2013, for authorization to discharge approximately 500,000 gallons of wastewater generated from a hydrostatic test of a new 16-inch diameter natural gas gathering system transmission pipeline approximately 14.7 miles (77,496 feet) long, located approximately 28 miles northeast of Roswell, New Mexico. The proposed discharge/collection /retention location is within Enterprise's pipeline easement right-of-way and adjacent private property, located within Unit P of Section 34, Township 6 South, Range 26 East, NMPM, Chaves County, New Mexico. The submittal provided the required information in order to deem the application "administratively" complete. OCD approves the Roswell Daily Record 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 Roswell, 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 II Office, Artesia
Mr. Jim Heap, Enterprise Products Operating, LLC, Midland, TX 79701

Enterprise Products

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

ENTERPRISE PRODUCTS OPERATING LLC

October 17, 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 6
Chavez County, New Mexico

Enterprise Products Operating LLC (Enterprise) will be constructing Segment 6 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
(for)

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

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of Check No. 690678 dated 9/18/13

or cash received on 10/23/13 in the amount of $ 700.00

from KLEINFELDER WEST, INC.

for HIP-127

Submitted by: BRAD JONES Date: 10/23/13

Submitted to ASD by: LUPE SHERMAN Date: 10/23/13

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:
10/23/13		✓	KLEINFELDER WEST, INC	9/18/13	690678	0740	$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	

KLEINFELDER
Bright People Right Solutions

October 17, 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 6
Chaves 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 6 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 Undergoing Hydrostatic Testing Location Map;
- Figure 2 – Discharge Location Detail;
- Figure 3 – Dissipation and Discharge Area;
- 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 – Corn and Wooten Wells, and Roswell Municipal Water System 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.

KLEINFELDER 9019 Washington St. NE Building A. Albuquerque, NM 87113 **p|** 505.344.7373 **f|** 505.344.1711

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.

Meghan Cole for

Melissa Cote
Professional

Reviewed by:

Eileen L Shannon

Eileen L. Shannon, PG
Project Manager

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

KLEINFELDER 9019 Washington St. NE Building A. Albuquerque, NM 87113 **p|** 505.344.7373 **f|** 505.344.1711

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 pipeline. The pipeline is 16-inch diameter and approximately 14.7 miles or 77,496 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 will be from one or all of the following sources:
    - The Corn well (POD number RA 08748 and/or RA 08749. They appear to be same well in the Office of the State Engineer (OSE) database.
    - The Wooten well (POD number RA 03127).
    - Roswell Municipal Water System (NM3520203).

  The locations of the Corn and Wooten wells are shown on Figure 1.
- The section of the pipeline to be tested is located Chaves County. Testing will occur on November 13, 2013. The approximate date of discharge to the pipeline ROW is November 25, 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 Roswell, 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 Roswell Daily Record*. Public notice is published every day except Monday, and the paper requires the information 2 days prior to publication before noon.

KLEINFELDER 9019 Washington St. NE Building A. Albuquerque, NM 87113 **p|** 505.344.7373 **f|** 505.344.1711

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. James 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 at the lower-central portion of WEP III Segment 6 near MP 102.75 in Chaves County. The discharge area will occur:

- in the pipeline ROW in an area approximately 125 feet wide by 486 feet long (approximately 58,862 square feet); and
- in the adjacent property southwest of the ROW in an area approximately 126,511 square feet in size. Landowner permission to discharge 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 located approximately 28 miles northeast of Roswell, New Mexico. Directions to the discharge site from Roswell, New Mexico are:

- From the intersection of N Main Street (US-285/ US-70) and E 2nd Street (Highway 380) in Roswell, New Mexico, head north on US-285 N/ US 70 E/N) toward W 4th St. for 5.2 miles;
- Take the US-70 E/ US-70 W ramp to Portales/ Ruidoso for 0.2 miles; Keep right on ramp toward Portales;
- Turn to right onto US-70E/Clovis Highway E and continue for 13.9 miles;
- Turn left onto County Road 1/Aztec Road for 11.2 miles;
- Turn left to stay on County Road 1/Aztec Road for 2.8 miles;
- Turn left onto Cloudcroft Road for 0.2 miles; and
- The site is to the left.

KLEINFELDER 9019 Washington St. NE Building A. Albuquerque, NM 87113 **p|** 505.344.7373 **f|** 505.344.1711

The approximate coordinates for the discharge area location are: Latitude 33.746604; Longitude -104.277692.

Item c. Legal description of the discharge location:

The discharge location is located:

- In the SE/4; SE/4; Section 34, Township 6 South, Range 26 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 map showing the hydrostatic test water discharge area.

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 between June 18 and August 30, 2013. Detailed references for the various shape files are included in the Reference section. Sources used for preparation of the maps in this NOI are included 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. None were indicated during the review. 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 GoTech websites were checked for water supply wells located in the vicinity of the site and several livestock and irrigation wells were found at distances greater than 1 mile from the site. Depth to groundwater data and analytical data is summarized below, if found in the website searches.

- Well RA 08963, an expired livestock well permit plots approximately 1.7 miles southeast of the discharge area (Figure B-2 in Appendix B).
- Well FS 00031 X, an irrigation well, plots approximately 1.8 miles west of the discharge area (Figure B-2 in Appendix B). FS 00031 is a series of wells that appear to be irrigation wells dating from 1961 to 1985 that appear to be closed by OSE. Depth to water in one of the wells (FS 00031) was reported at 6 feet below ground surface (bgs) in 1965.

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- Well RA 03127, an irrigation well, plots approximately 1.9 miles southwest of the discharge area (Figure B-2 in Appendix B). The depth to water is reported on the OSE website as 21 feet bgs.
- Wells RA 04088, RA 04088 CLW214172, and RA 05848 plot approximately 1.9 miles to the southwest of the discharge area (Figure B-2 in Appendix B). The 04088 wells are irrigation wells and the RA 05848 well is an old domestic well that submitted an application to install a pump. The only available depth to water information was for RA 04088 CLW214172 which was reported as 65 feet bgs on the OSE website.

According to the Federal Emergency Management Administration DFIRM Panel 35005C0825D map, the discharge area is not located within a 100-year floodplain. The discharge and surrounding areas are located in Zone X. Figure B-3 (Appendix B) illustrates the above findings.

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 site. Wetlands were not observed in or within 500 feet of the perimeter of the discharge area. A copy of the 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 proposed discharge area (Figure C-1 in Appendix C). Mr. Mike Tompson, with the New Mexico Abandoned Mine Lands Program, was contacted on August 14, 2013 to assess the presence of abandoned subsurface mines in the vicinity of the proposed discharge area. According to Mr. Tompson, they have no record of abandoned subsurface mines within a half mile radius of the proposed discharge site (see email, 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 6 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. Excess water will be held in the previous test section. If leaks or breaks occur, that section of pipeline is repaired or replaced, then re-tested. Test section sequence is as follows:

- MP 93.3 to 102.9; and
- MP 102.9 to 107.9.

After this sequence is complete, the water used in the last test, along with any excess water remaining in previous sections, will be pushed back to MP 102.9 for discharge.

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 102.9). 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 58,862 square feet of the ROW and onto approximately 126,511 square feet of the adjacent property to the southwest.

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 shown in 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 have been 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 does still 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. Source water data analytical results for Radium 226/228 concentrations are summarized below:

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	Date Sampled	Radium 226 (pCi/L)	Radium 228 (pCi/L)
Corn well	4/26/13	1.30 ± 0.690	1.56 ± 0.579.
Wooten well	4/26/13	1.03 ± 0.951	0.910 ± 0.464
Roswell Municipal Water System	2/8/11	0.31	0.04

These levels are below the 30 pCi/L standard in NMAC 20.6.2.3103. The laboratory analytical report is included in Appendix H.

Prior to discharge, Enterprise will collect a sample of the test water from the discharge location (MP 102.9) 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 / $Na_2S_2O_3$
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 after the electro-coagulation process, if the test water still exceeds discharge requirements, 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 companies:

- 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 surface waste management facilities:

- Gandy Marley Inc., in Chaves County (Permit No. 19);
- Lea Land Inc. in Lea County (Permit No. 24); or
- 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 500,000 gallons. Analytical results from potential sources of water used for the hydrostatic test are included in Appendix H.

According to these results the following constituents exceed the NMAC 20.6.2.3103 standards (in milligrams/liter (mg/L)):

- Corn well:
  - Sulfate (2,500) (NMAC 20.6.2.3103 standard is 600); and
  - Total dissolved solids (3,550) (NMAC 20.6.2.3103 standard is 1,000).
- Wooten well:
  - Chloride (4,900) (NMAC 20.6.2.3103 standard is 250);
  - Sulfate (2,700) (NMAC 20.6.2.3103 standard is 600); and
  - Total dissolved solids (12,800) (NMAC 20.6.2.3103 standard is 1,000).

New piping will be tested which should not impact the quality of the water to be 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, 1980). Based on that information, soils in the area are dominated by Redona-Ratliff-Blakeney surface soils comprised of well-drained, nearly level to gently sloping soils located on high terraces. The soils were formed in calcareous alluvial and eolian deposits and are comprised of sandy loam, overlying sandy clay loam, and in some locations (Blakeney), overlying indurated caliche. The indurated caliche overlies the Permian Artesia Group (Pat) and Quaternary Alluvium (Qa) (Figure D-1, Appendix D). The Artesia Group

is comprised predominantly of fine-grained sandy siltstone, but also containing mixed clastic rock, sandstone, anhydrite, and siltstone, and dolostone.

Karst was identified in the area in the Petroleum Recovery Research Center database search (accessed on June 5, 2013), Figure D-2 (Appendix D).

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

A search of the OSE and Go-Tech websites, accessed on June 5, 2013, found limited available depth to water data on wells in the vicinity of the site. Estimated groundwater elevation data based on available information on the closest wells to the site and data obtained from topographic maps is summarized below:

Well ID	Ground Surface Elevation (feet amsl[a])	Depth to Water (feet)	Groundwater Elevation (feet amsl[a])
FS 00031X	3600	6	3594
RA 03127	3608	21	3587
RA 04088 CLW214172	3600	62	3538

[a] amsl = above mean sea level

Based on the topographic map, ground elevation at the discharge location is approximately 3770 feet amsl, and therefore, the depth to water is anticipated to be similar to the depth to water observed at the closest wells (175 - 232 feet bgs), correcting for ground elevation changes.

Total dissolved solids (TDS) concentrations were not provided in the OSE and Go-Tech databases. Regionally, the TDS ranges from less than 200 to over 2,000 milligrams per liter TDS. In the sample collected from the Corn well, which is located approximately 6.2 miles northwest of the discharge site, the TDS was 3,550 mg/L.

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	Property Owner
A	**Waynette Wooten** 4906 North Michigan Roswell, NM 88201

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

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

Map Parcel ID	Property Owner
B	**Bureau of Land Management** **Roswell Field Office** 2909 W. Second Street Roswell, NM 88201-2019 Attn: Vanessa G. Saenz, Realty Specialist
C	**Corn Brothers, Inc.** 471 Stargrass Road Roswell, NM 88201
D	**State of New Mexico** State Land Office 310 Old Santa Fe Trail Santa Fe, NM 87501
E	**Thomas S Cooper** 585 S Valley Road Las Cruces, NM 88005-2733
F	**Ryan-Stroud Ranch** P.O. Box 1447 Keller, TX 76244
G	**Marie Haumont** 1265 Cottonwood Rd Roswell, NM 88201
H	**Derrick Family Trust** Frank and Margaret Derrick; Joe Herman Jr 900 N Harbin Drive Stephenville, TX 76401

References

Go-Tech, New Mexico Water database (NM WAIDS, accessed June 5, 2013, http://octane.nmt.edu/waterquality/data/gwatersearch.aspx.

Office of the State Engineer (OSE) database search accessed in June 5, 2013, http://nmwrrs.ose.state.nm.us/nmwrrs/index.html.

Petroleum Recovery Research Center database (PRRC) database search accessed June 5, 2013, http://ford.nmt.edu/prrc_MF/index5.html.

United States Department of Agriculture, Soil Conservation Service and New Mexico Agricultural Experiment Station, 1980. "Soil Survey of Chaves County New Mexico Northern Part", January 1982.

GIS References – Segment 6

NM Topographic 7.5' quadrangle maps

- Acme
- Campbell
- Cottonwood Draw
- Coyote Draw
- Denton Camp
- Eightmile Draw
- Elkins
- Haystack Butte

- Haystack Mountain
- Melena
- Sardine Lake
- Shannon Draw

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,
- ESRI World Imagery; ESRI DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community. Date of image: 10/30/2010

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

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

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

Floodplains, Segment 6
- *S_FLD_HAZ_LN downloaded from New Mexico Resource Geographic Information System Program, http://rgis.unm.edu/ GIS shapefile downloaded June 5, 2013
- FEMA FIRM Panels 35005C0550D and 35005C0825D dated 9/25/2009

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 2005-1351
- USGS Fault and Fold Database, GIS shapefiles downloaded November 3, 2010

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- 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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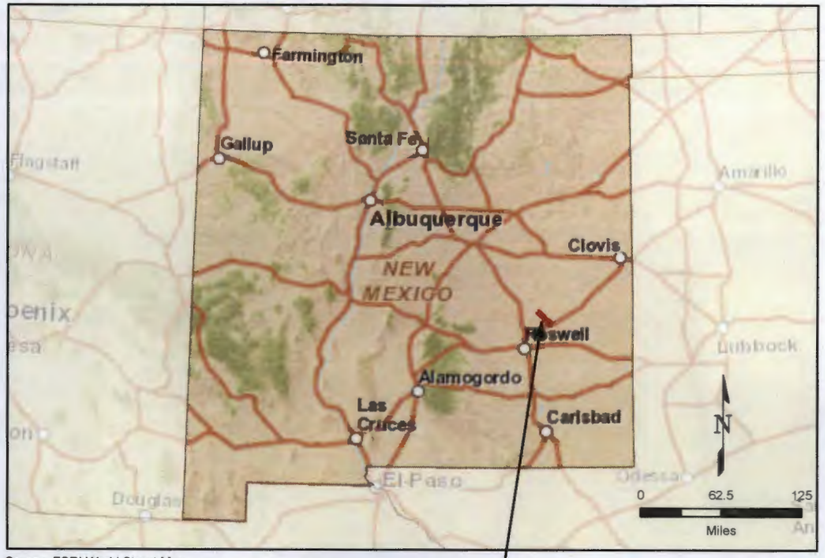
FIGURES

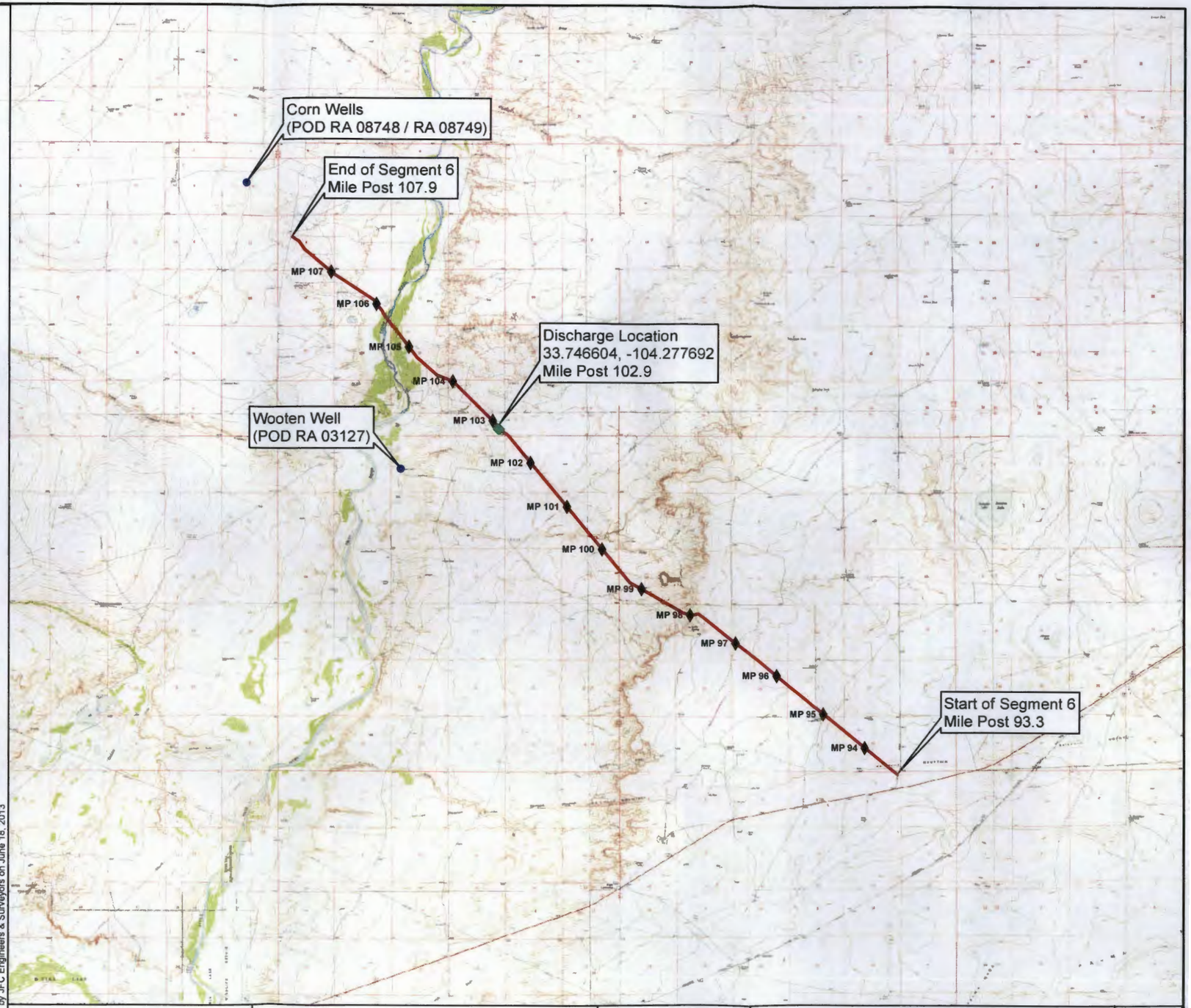


Source: ESRI World Street Map

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: Shannon Draw, Cottonwood Draw, Haystack Butte, Denton Camp, Coyote Draw, Eightmile Draw, Haystack Mountain, Elkins, Melena, Acme, Campbell, Sardine Lake; NM
Centerline: SPREAD3_JFC_847OSE06_060313_CL.shp provided by JFC Engineers & Surveyors on June 18, 2013

1 0 1 2
Miles

Locations are Approximate

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NEW ENTERPRISE PIPELINE
WEP III SEGMENT 6

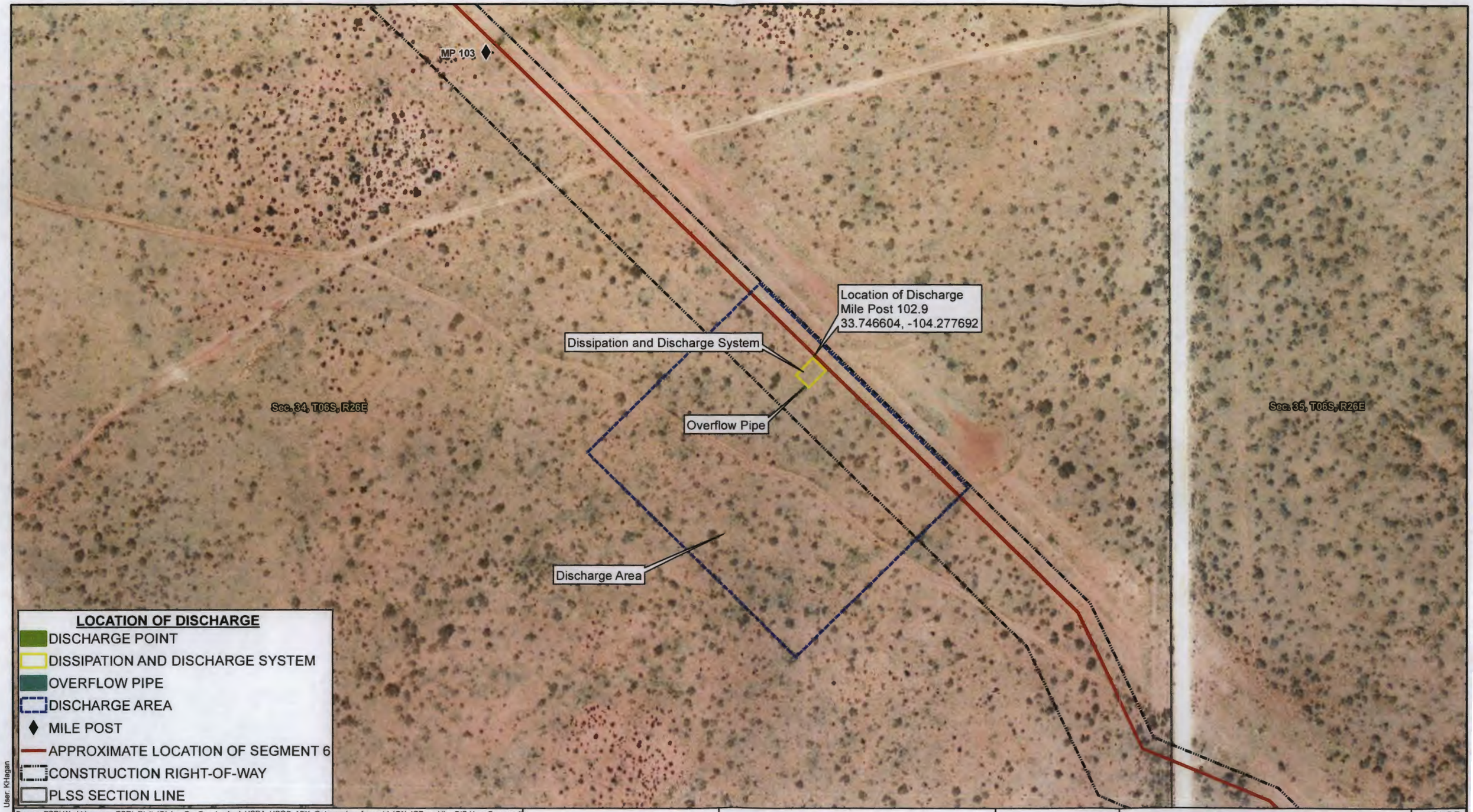
ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: AS 10-17-13

DRAWING CATEGORY: 1

FIGURE **1**

Date: 10/18/2013 User: KHagan



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: 10/30/2010
SPREAD3_IFC_8470SEG6_060313_CL.shp, SPREAD3_IFC_8470SEG6_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013

Date: 8/28/2013

N

75 0 75 150

Feet

Locations are Approximate

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FILE NAME:	Seg6_Figure2.mxd

NEW ENTERPRISE PIPELINE
WEP III SEGMENT 6 DISCHARGE LOCATION

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10/15/13

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

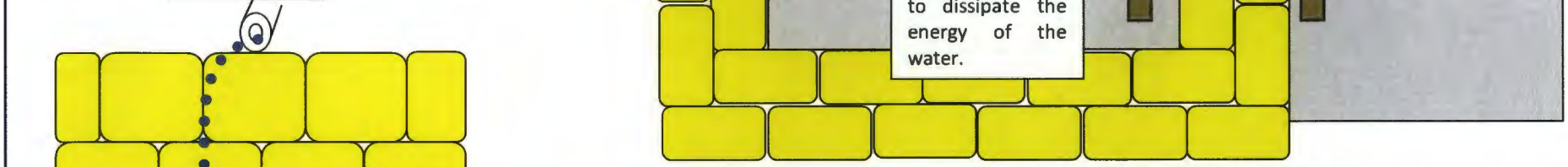
Plywood Supports: Plywood supports will be built to support the discharge point and the overflow pipe so that they do not rest on the straw bales.

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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FILE NAME:	Seg6_Figure3.doc

DISSIPATION AND DISCHARGE SYSTEM

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K.HAGAN
APPROVED BY: ES 10/15/13

DRAWING CATEGORY 1

FIGURE 3

APPENDIX A

Certification of Siting Criteria

Certification of Siting Criteria

WEP III: Segment 6 Discharge

I, Jim Hughes, 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.

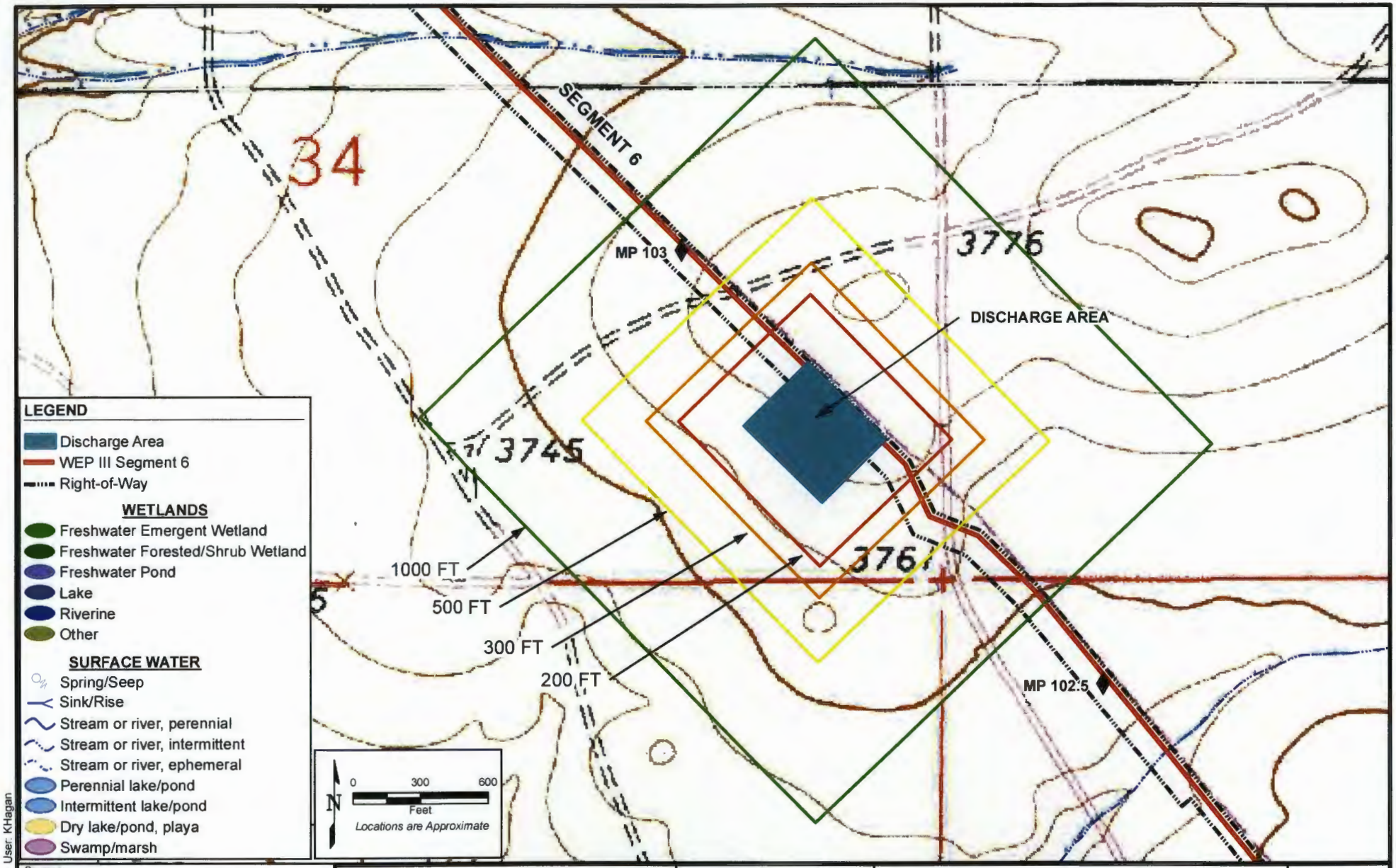
Signature

7/30/2013
Date of Site Visit

Environmental Scientist
Title:

APPENDIX B

Water Feature, Water Well Information and Floodplain Information



Sources:
SPREAD3_IFC_8470SEG6_060313_CL.shp and
SPREAD3_IFC_8470SEG6_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 Quadrangles, Cottonwood Draw and Eightmile Draw, NM

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SURFACE WATER AND WETLANDS NEAR THE DISCHARGE AREA, WEP III SEGMENT 6

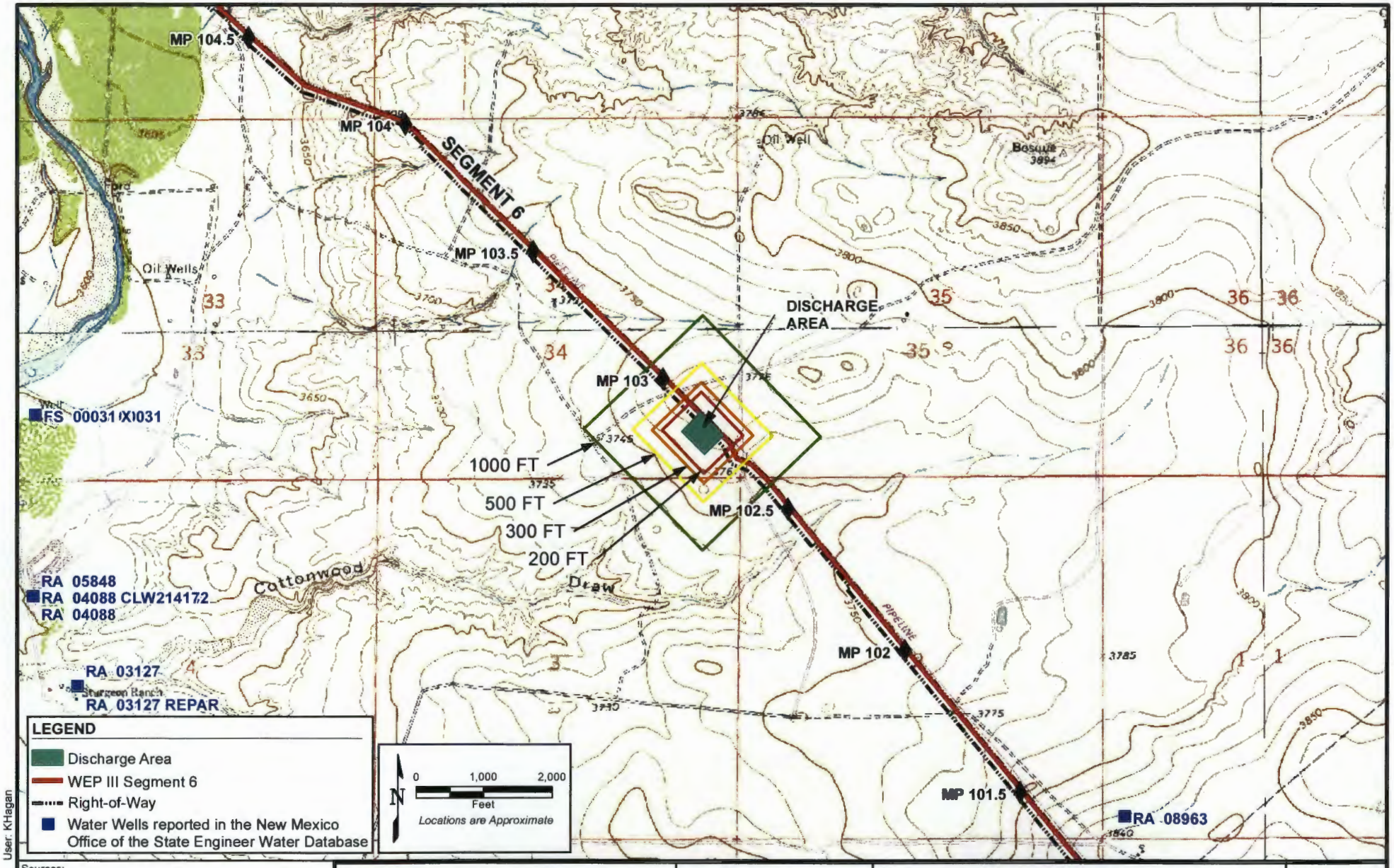
ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: BS 10/15/13

DRAWING CATEGORY: 1

FIGURE
B-1

User: KHagan
Date: 8/29/2013



Sources:
SPREAD3_IFC_8470SEG6_060313_CL.shp and SPREAD3_IFC_8470SEG6_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, Cottonwood Draw and Eightmile Draw, NM

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FILE NAME:	Seg6_FigureB2.mxd

WATER WELLS IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 6

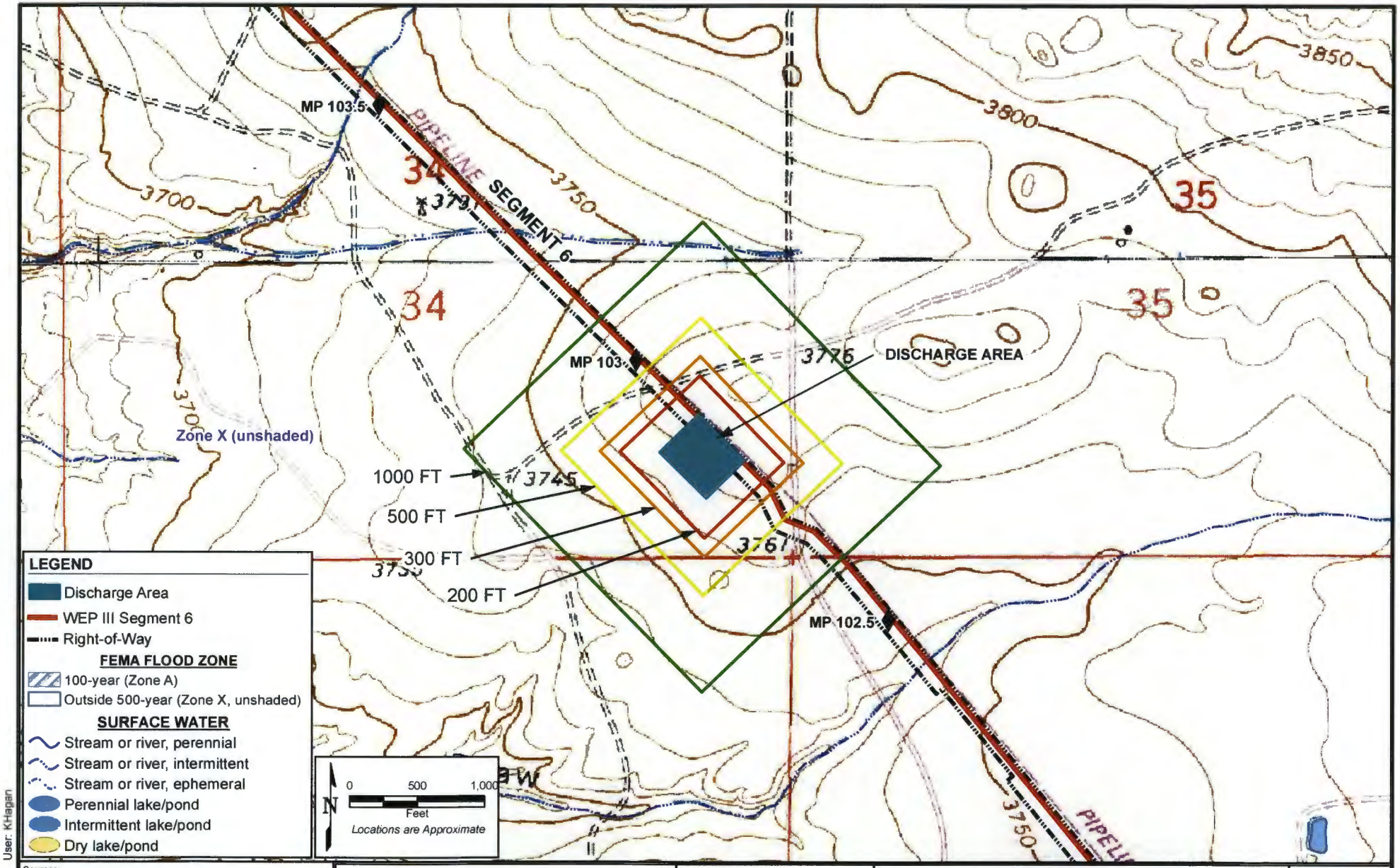
ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: GS 10/15/13

DRAWING CATEGORY: 1

FIGURE **B-2**

User: KHagan
Date: 9/19/2013



Sources:
SPREAD3_IFC_8470SEG6_060313_CL.shp and SPREAD3_IFC_8470SEG6_060313_CROW.shp provided by JFC Engineers & Surveyors on June 18, 2013
FEMA DFIRM Panels 35005C0550D, 35005C0825D dated 9/25/2009
National Hydrography Dataset, USGS
USGS 7.5' Topographic Quadrangles, Cottonwood Draw and Eightmile Draw, NM

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PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg6_FigureB3.mxd

FEMA FLOOD MAP FOR THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 6

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

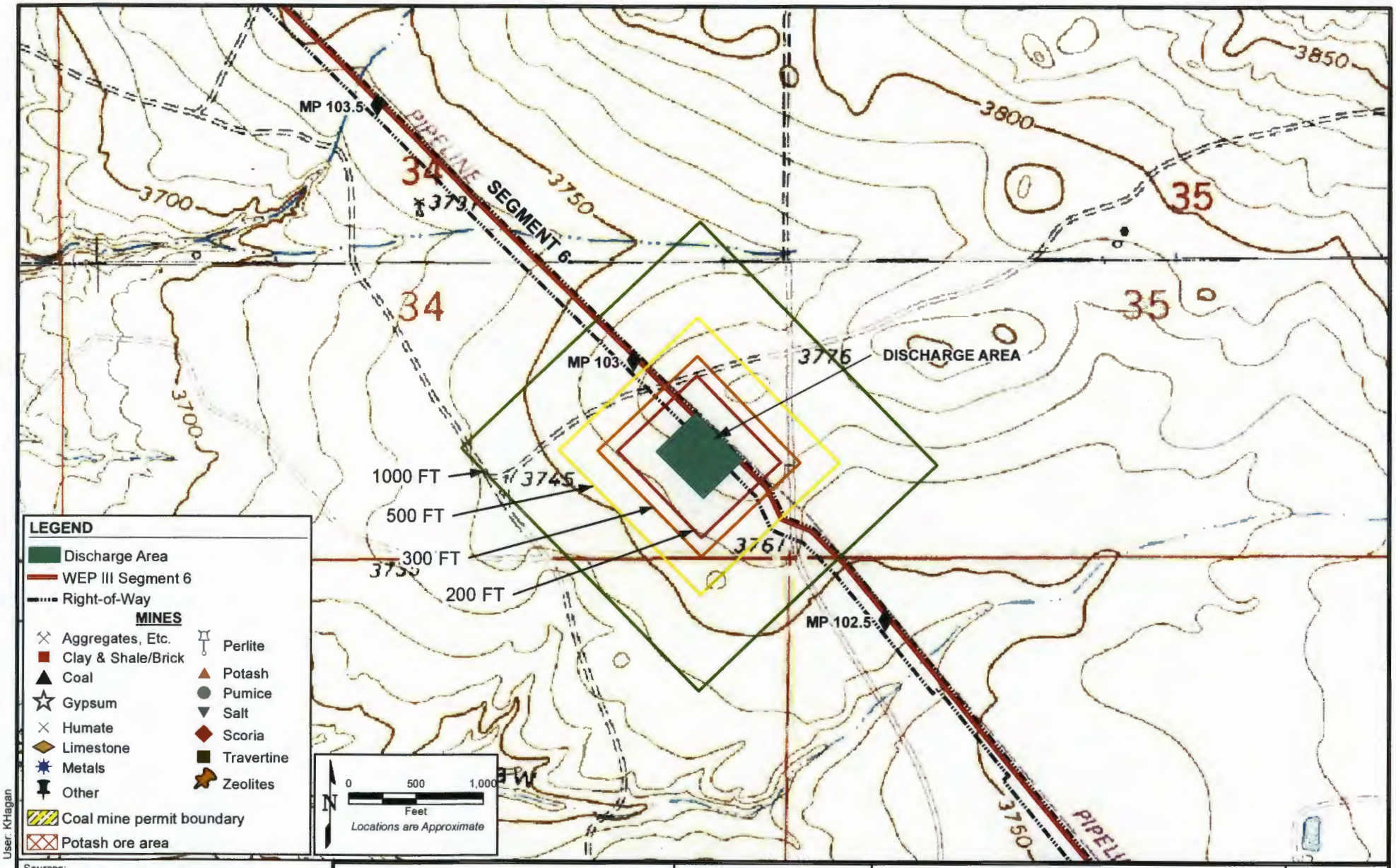
ORIGINATOR: K. HAGAN
APPROVED BY: ES 10/15/13

DRAWING CATEGORY: 1

FIGURE
B-3

User: KHagan
Date: 8/28/2013

APPENDIX C
Area Mine Information



Sources:
SPREAD3_IFC_8470SEG6_060313_CL.shp and SPREAD3_IFC_8470SEG6_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, Cottonwood Draw and Eightmile Draw, NM

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PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg6_FigureC1.mxd

ACTIVE MINES NEAR THE DISCHARGE AREA, WEP III SEGMENT 6

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10/15/13

DRAWING CATEGORY: 1

FIGURE
C-1

User: KHagan
Date: 8/28/2013

Melissa Cote

From: Tompson, Mike, EMNRD <Mike.Tompson@state.nm.us>
Sent: Wednesday, August 14, 2013 11:16 AM
To: Melissa Cote
Cc: Kretzmann, John, EMNRD
Subject: RE: Mines in the vicinity of proposed hydrostatic discharge (segment 6)

Hi Melissa,

I'm back in the office now and I checked on your site.

The Abandoned Mine Land Program has no record of any mines in this section.

Please let me know if you have any other questions.

Mike

From: Melissa Cote [mailto:MCote@kleinfelder.com]
Sent: Friday, August 09, 2013 10:22 AM
To: Kretzmann, John, EMNRD
Subject: Mines in the vicinity of proposed hydrostatic discharge (segment 6)

Hi John,

I am working on the permits for section 6 of the Enterprise pipeline. The discharge point for this segment is located in:

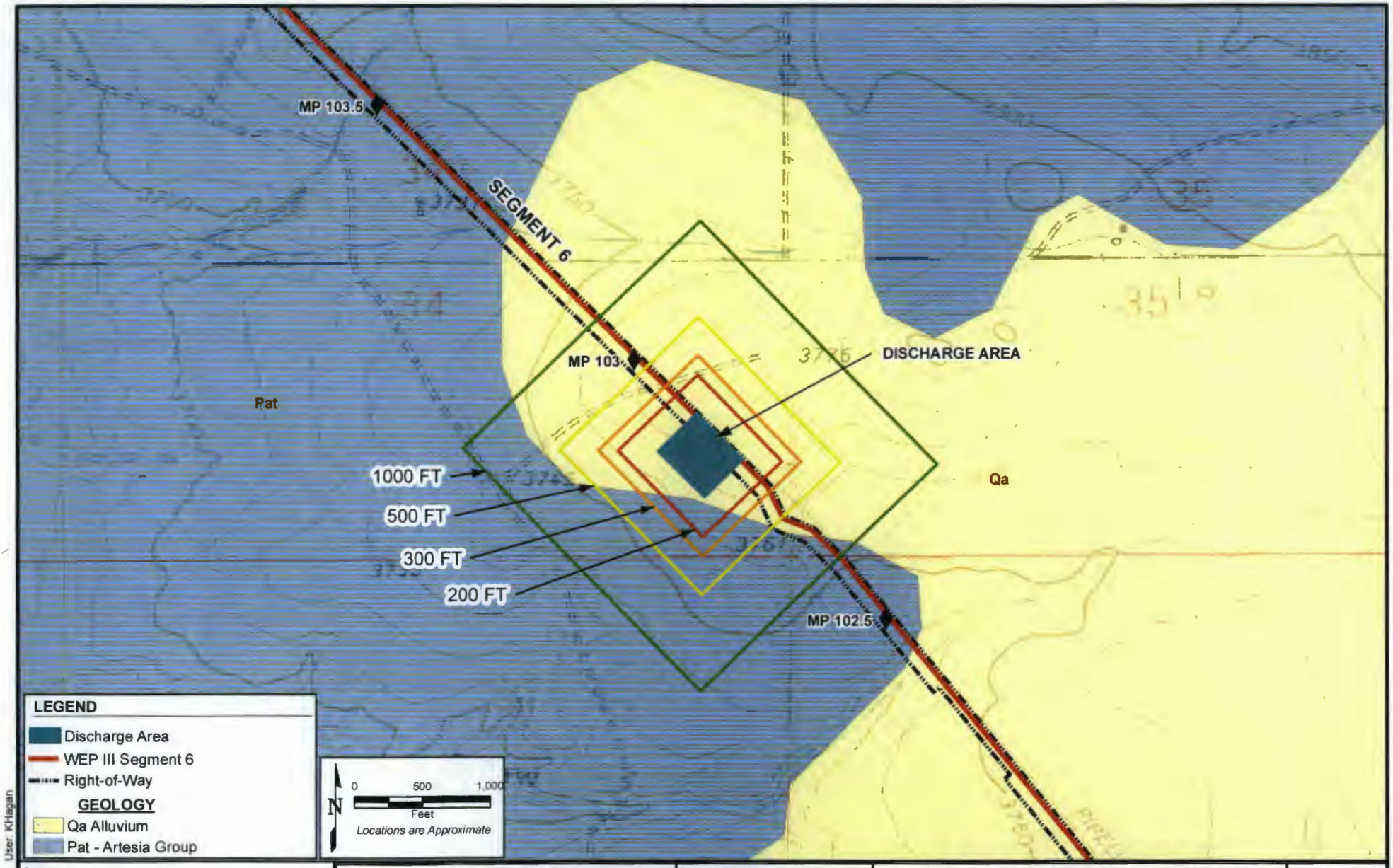
- Section 34 of Township 6S, Range 26E?

Would you be willing to tell me if there are any mines in this area?

Thank you,
Melissa

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

APPENDIX D
Geology



User: KHagan

Date: 8/28/2013

Sources:
SPREAD3_IFC_8470SEG6_060313_CL.shp and
SPREAD3_IFC_8470SEG6_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
USGS OFR 2005-21351
USGS 7.5' Topographic Quadrangles, Cottonwood Draw and Eightmile Draw, NM

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PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg6_FigureD1.mxd

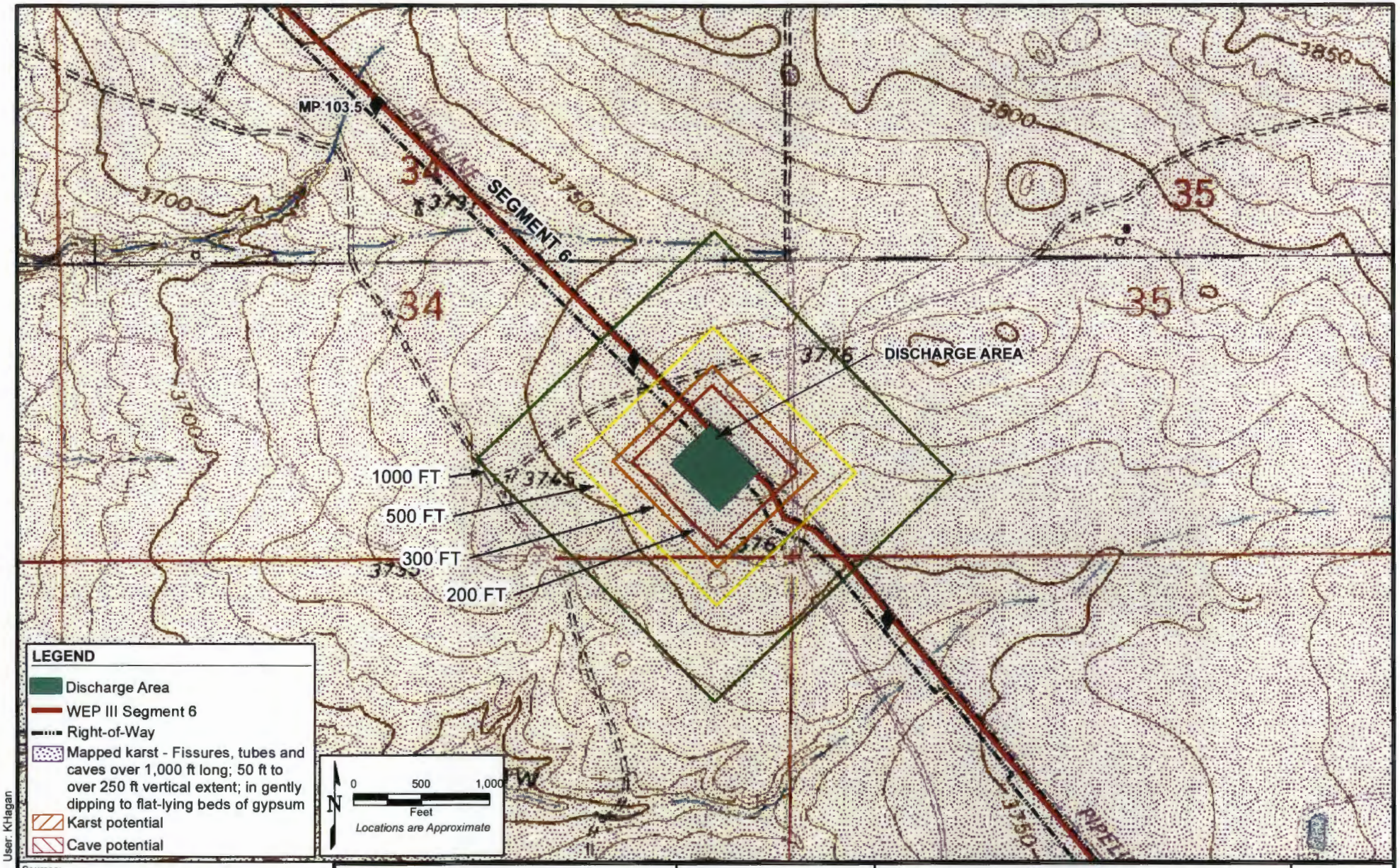
GEOLOGY IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 6

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10/15/13

DRAWING CATEGORY: 1

FIGURE
D-1



Sources:
SPREAD3_IFC_8470SEG6_060313_CL.shp and
SPREAD3_IFC_8470SEG6_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, Cottonwood Draw and Eightmile Draw, NM

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PROJECT NO.	134288
DRAWN:	OCT 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg6_FigureD2.mxd

KARST IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 6

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

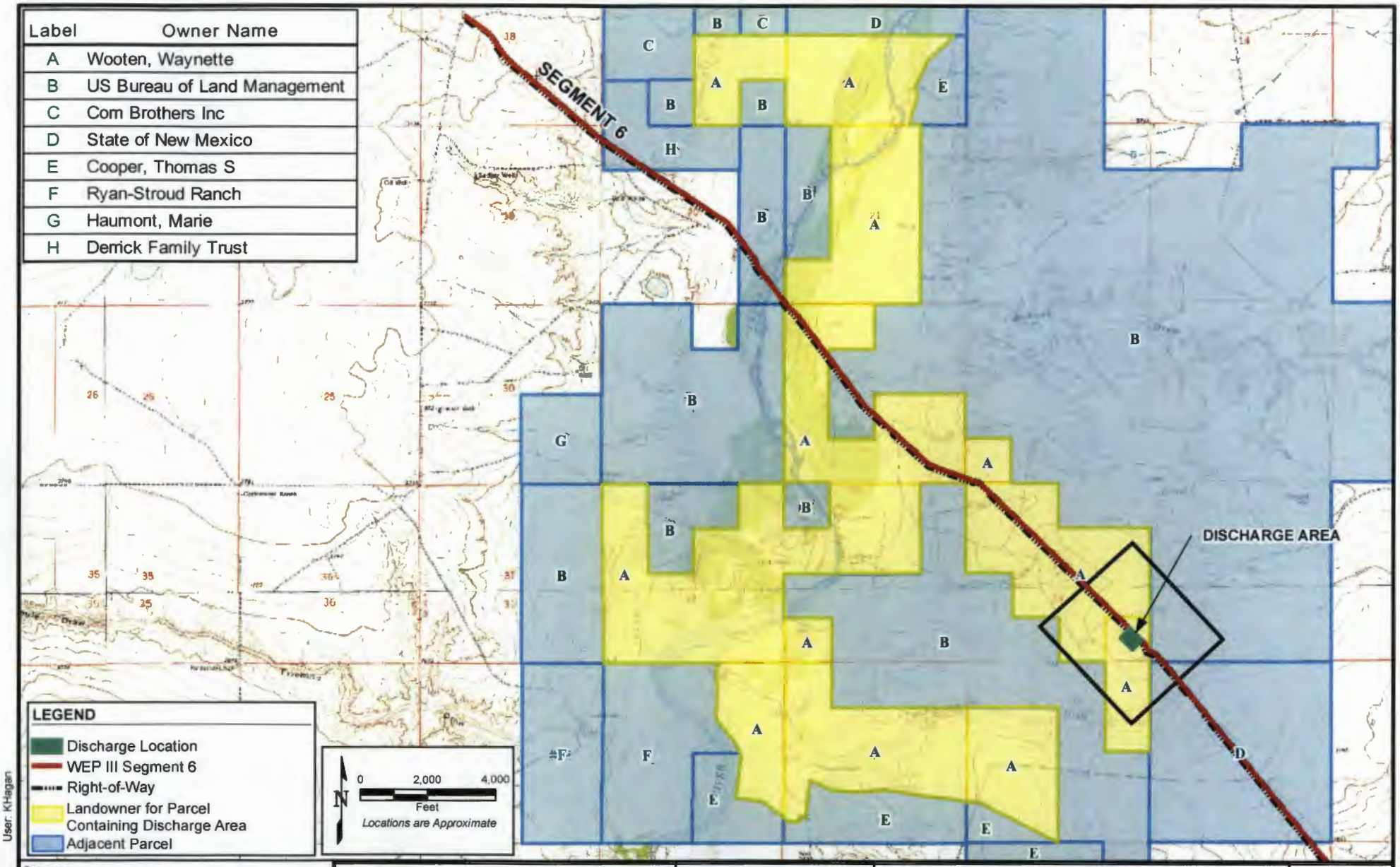
ORIGINATOR: K. HAGAN
APPROVED BY: AS 10/15/13

DRAWING CATEGORY: 1

FIGURE
D-2

User: KHagan
Date: 10/3/2013

APPENDIX E
Area Landownership



User: KHagan

Date: 9/5/2013

Sources:
SPREAD3_IFC_8470SEG6_060313_CL.shp and SPREAD3_IFC_8470SEG6_060313_CROW.shp provided by JFC Engineers & Surveyors on June 18, 2013
New Mexico BLM GIS dataset
USGS 7.5' Topographic Quadrangles, Cottonwood Draw and Eightmile Draw, NM

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PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg6_FigureE1.mxd

LAND OWNERSHIP IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 6

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 10/15/13

DRAWING CATEGORY: 1

FIGURE
E-1

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

Waynette Wooton
4906 N. Michigan Ave.
Roswell, NM 88201

RE: Proposed Hydrostatic Water Discharge Site
MAPL – WEP III Project, 16 Inch Line
Tract Number: NM-CH-44
Chaves County, New Mexico

Dear Mrs. Wooton,

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 15 miles (consisting of 2 sections – the longest being approximately 50,815 ft.) of its new 16-inch pipeline in Chaves County, New Mexico. Enterprise proposes to use approximately 500,000 gallons (total) of well water from Mrs. Wooton's property.

Upon completion of the test, Enterprise plans to discharge approximately 500,000 gallons of test water onto the permanent easement and temporary construction easement (collectively referred to as "Easements") located on the property of **Waynette Wooton** (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 11, 2013 and will take approximately 5.5 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):

Benny T. Wooton for Waynette Wooton POA For LARRY F. WOOTON CREDIT TRUST
Waynette Wooton

Dated: 23 day of August, 2013

Witness:

Steve Lockwood

Dated: 23 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, Texas, 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 and on adjacent private property. The location of the discharge is at latitude 33.746604°, longitude -104.277692° in the SE/4 of the SE/4 of Section 34, T6S, R26E in Chavez County, New Mexico.

The location of the hydrostatic discharge area is located approximately 28 miles northeast of Roswell, New Mexico. Directions to the discharge site from the intersection of N Main Street (US-285/ US-70) and E 2nd Street (Highway 380) in Roswell, New Mexico are: head north on US-285 N/ US 70 E/N) toward W 4th St. for 5.2 miles; take the US-70 E/ US-70 W ramp to Portales/ Ruidoso for 0.2 miles; keep right on ramp toward Portales; turn right on US-70E/Clovis Highway E and continue for 13.9 miles; turn left onto County Road 1/Aztec Road for 11.2 miles; turn left to stay on County Road 1/Aztec Road for 2.8 miles; turn left onto Cloudcroft Road for 0.2 miles and the site is to the left. The hydrostatic test is scheduled to start on approximately November 13, 2013 with discharge of the test water scheduled for approximately November 25, 2013.

The new piping, called the Western Expansion Pipeline (WEP) III, Segment 6, will be hydrostatically tested. Up to 500,000 gallons of unused water obtained from the Corn well, the Wooten well and/or the Roswell Municipal Water System will be hauled to the site and pumped via hose into the 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. Once the results have been received, the results 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. If discharge to the ground surface is approved, the water will be released from a pipeline and the test water will be discharged to the dissipation and discharge system and allowed to flow onto ground surface within the ROW and adjacent property (landowner approved).

If test water exceeds discharge requirements, it will be treated using an electro-coagulation process 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 the NMOCD for approval and upon NMOCD concurrence that the treated water meets water quality standards of NMAC 20.6.2.3103; Enterprise will discharge the water in accordance with the approved discharge permit.

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

Limited data on shallow groundwater conditions was available from wells located near the discharge site. In comparison with the closest wells to the site, the regional shallow groundwater likely to be affected by a leak or accidental discharge is estimated to be at depths of 175 - 232 feet deep. Total dissolved solids concentrations in groundwater in the region range from 200 to 2,000 parts per million.

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 facility-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. El lugar está a una latitud de 33.746604°, y una longitud de -104.277692° en el SE/4 del SE/4 de la Sección 34, T6S, R26E en el Condado de Chavez, Nuevo México.

El lugar de la descarga hidro-estática está aproximadamente a 28 millas al noreste de Roswell, Nuevo México. Direcciones al sitio de la descarga desde la intersección de N Main Street (US-285/ US-70) y E 2nd Street (Highway 380) en Roswell, Nuevo México son las siguientes: viajar norte sobre US-285 N/ US-70 hacia W 4th St. por 5.2 millas; tomar la rampa US-70 E/ US-70W hacia Portales/ Ruidoso por 0.2 millas; mantenerse hacia la derecha sobre la rampa hacia Portales; dar vuelta sobre US-70E/Clovis Highway E y continuar por 13.9 millas; dar vuelta a la izquierda sobre County Road 1/Aztec Road por 11.2 millas; dar vuelta a la izquierda para mantenerse sobre County Road 1/Aztec Road por 2.8 millas; dar vuelta a la izquierda sobre Cloudcroft Road por 0.2 millas y el sitio está a la izquierda. La prueba hidro-estática está programada para empezar aproximadamente Noviembre 13, 2013 con la descarga del agua de prueba programada para aproximadamente Noviembre 25, 2013.

La nueva tubería, llamada Western Expansion Pipeline (WEP) III, Segmento 6, será probada hidro-estáticamente. Hasta 500,000 galones de agua (sin previo uso) será obtenida del Pozo Corn, el Pozo Wooten y/o el Sistema de Agua Municipal Roswell, y será transportada al sitio y bombeada con manguera a dentro de la tubería. 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 (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.

Datos limitados acerca del nivel freático más cercano a la superficie del suelo estaban disponibles de pozos localizados cerca del sitio de descarga. En una comparación a los pozos más cercanos al sitio, el nivel freático regional que posiblemente pueda ser afectado por una fuga o descarga accidental se cree estar a profundidades de 175 - 232 pies debajo de la superficie. Concentración total de solidos disueltos en el nivel freático en la región varían de 200 a 2,000 partes por millón.

El aviso del plan de intención 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 is one that 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 a 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 any chemical or 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 areas of secondary containment, EC treatment system, and the storage tanks is shown in Figure G-1. A detailed schematic of the EC treatment and filtration system setup is shown in 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 30 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 3 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); 134,400 gallons (8th tank); 252,000 gallons (15th tank); 369,600 gallons (22nd tank); and 500,000 gallons (30th tank). The sample will be submitted for laboratory analysis, as described in *item j*. Analytical testing is anticipated to take approximately 4 days to receive the results.

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 30 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 180 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 treated 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	3	10
4	Collection and analysis of post – treatment water samples	4	14
5	EC system removed	1	15
6	Discharge approved by NMOCD	1	16
7	Test water discharged to ground surface and drummed solids removed from disposal area	2	18
8	Empty storage tanks removed and secondary containment dismantled	7	25

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	3	10
4	Collection and analysis of post – treatment water samples	4	14

	Activity	Duration	Cumulative Days
5	EC system removed	1	15
6	Test water cannot be discharged	0	15
7	Test water is transferred into water trucks and hauled offsite for disposal. Drummed solids removed for disposal	3	18
8	Empty storage tanks removed and secondary containment dismantled	7	25

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
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: 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
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: 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

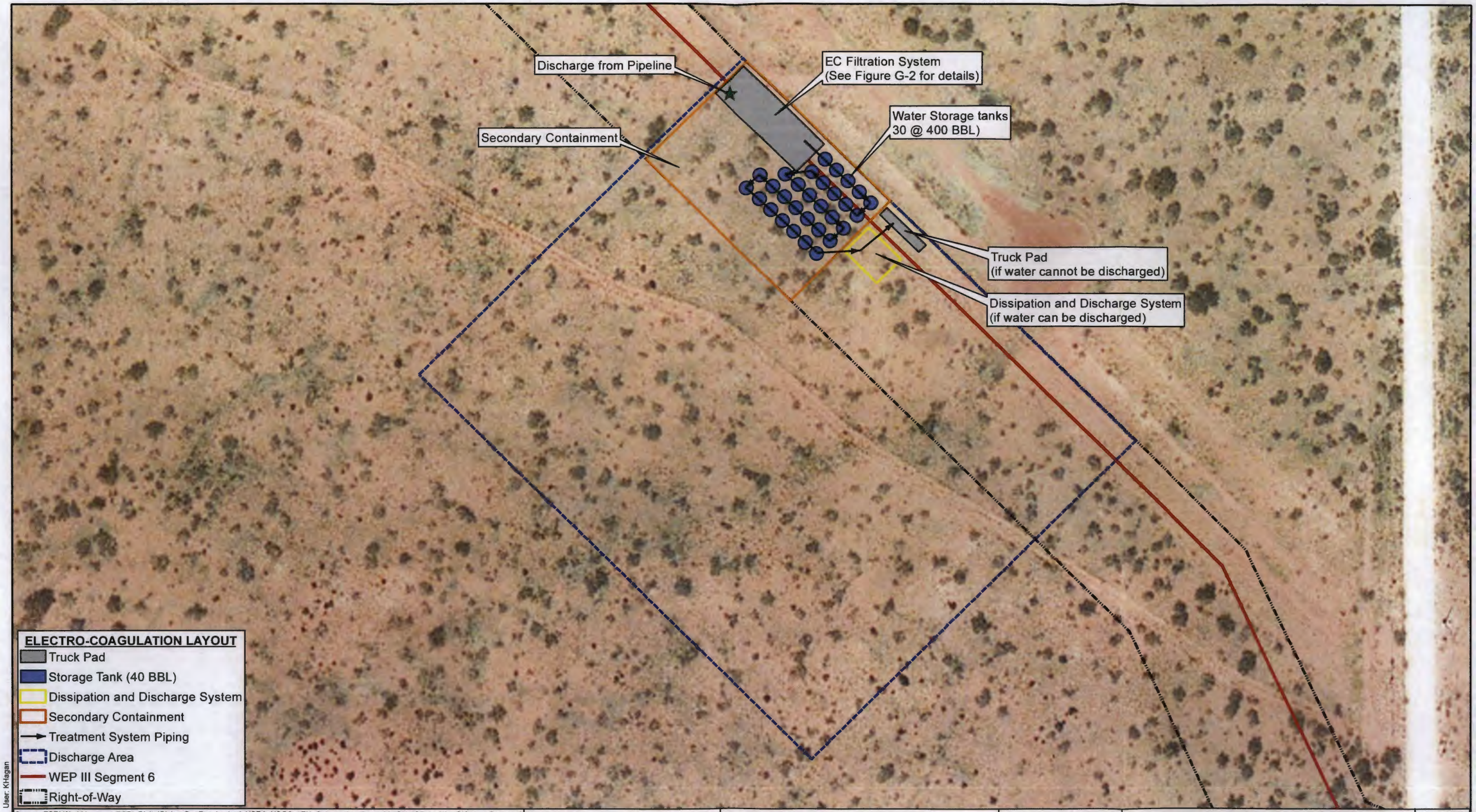
SECTION 16: OTHER INFORMATION

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: 10/30/2010
SPREAD3_IFC_8470SEG6_060313_CL.shp, SPREAD3_IFC_8470SEG6_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013

Date: 8/29/2013

N

40 0 40 80
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:	Seg6_FigureG1.mxd

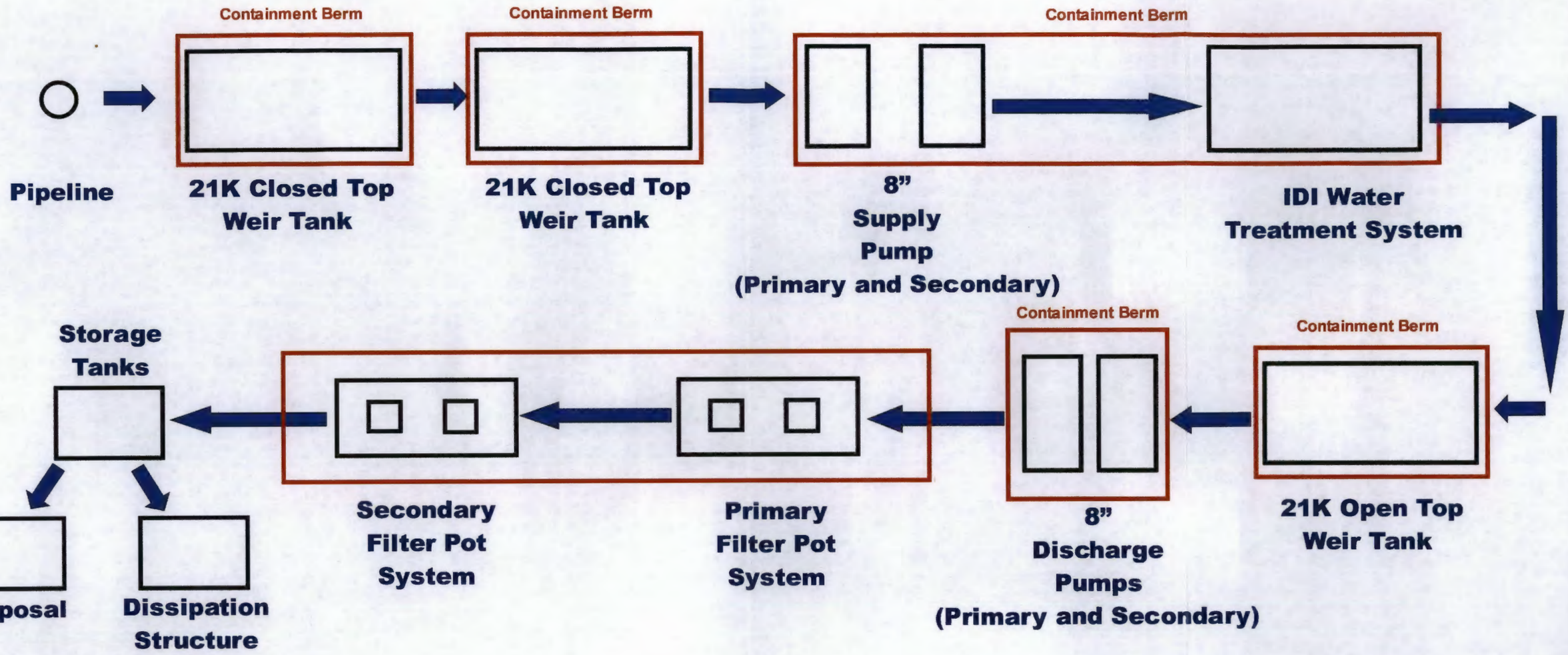
ELECTRO-COAGULATION TREATMENT AND DISCHARGE LOCATION, WEP III SEGMENT 6

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: DS 10-15-13

DRAWING CATEGORY: 1

FIGURE
G-1



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

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PROJECT NO.:	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg6_FigureG2.mxd

PROCESS DIAGRAM
ELECTRO-COAGULATION FILTRATION SYSTEM

ENTERPRISE PRODUCTS OPERATING LLC
CHAVES COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: [illegible] 10-15-13

DRAWING CATEGORY: 1

FIGURE
G-2

Date: 8/28/2013
User: KHagan

APPENDIX H

Corn and Wooten Wells, and Roswell Municipal Water System 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

May 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 OrderNo.: 1304B22

Dear Kay Lambert:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/26/2013 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. 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. 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.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1304B22**
Date Reported: **5/22/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Corn Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 12:40:00 PM
Lab ID: 1304B22-001 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 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	4/30/2013 1:00:09 AM	7204
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	5/2/2013 6:51:21 AM	7199
Aroclor 1221	ND	1.0		µg/L	1	5/2/2013 6:51:21 AM	7199
Aroclor 1232	ND	1.0		µg/L	1	5/2/2013 6:51:21 AM	7199
Aroclor 1242	ND	1.0		µg/L	1	5/2/2013 6:51:21 AM	7199
Aroclor 1248	ND	1.0		µg/L	1	5/2/2013 6:51:21 AM	7199
Aroclor 1254	ND	1.0		µg/L	1	5/2/2013 6:51:21 AM	7199
Aroclor 1260	ND	1.0		µg/L	1	5/2/2013 6:51:21 AM	7199
Surr: Decachlorobiphenyl	120	23.9-124		%REC	1	5/2/2013 6:51:21 AM	7199
Surr: Tetrachloro-m-xylene	92.4	28.1-139		%REC	1	5/2/2013 6:51:21 AM	7199
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	5/6/2013 6:18:40 PM	7198
1-Methylnaphthalene	ND	2.0		µg/L	1	5/6/2013 6:18:40 PM	7198
2-Methylnaphthalene	ND	2.0		µg/L	1	5/6/2013 6:18:40 PM	7198
Acenaphthylene	ND	2.5		µg/L	1	5/6/2013 6:18:40 PM	7198
Acenaphthene	ND	5.0		µg/L	1	5/6/2013 6:18:40 PM	7198
Fluorene	ND	0.80		µg/L	1	5/6/2013 6:18:40 PM	7198
Phenanthrene	ND	0.60		µg/L	1	5/6/2013 6:18:40 PM	7198
Anthracene	ND	0.60		µg/L	1	5/6/2013 6:18:40 PM	7198
Fluoranthene	ND	0.30		µg/L	1	5/6/2013 6:18:40 PM	7198
Pyrene	ND	0.30		µg/L	1	5/6/2013 6:18:40 PM	7198
Benz(a)anthracene	ND	0.070		µg/L	1	5/6/2013 6:18:40 PM	7198
Chrysene	ND	0.20		µg/L	1	5/6/2013 6:18:40 PM	7198
Benzo(b)fluoranthene	ND	0.10		µg/L	1	5/6/2013 6:18:40 PM	7198
Benzo(k)fluoranthene	ND	0.070		µg/L	1	5/6/2013 6:18:40 PM	7198
Benzo(a)pyrene	ND	0.070		µg/L	1	5/6/2013 6:18:40 PM	7198
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	5/6/2013 6:18:40 PM	7198
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	5/6/2013 6:18:40 PM	7198
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	5/6/2013 6:18:40 PM	7198
Surr: Benzo(e)pyrene	93.9	46.4-106		%REC	1	5/6/2013 6:18:40 PM	7198
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	0.46	0.10		mg/L	1	4/29/2013 3:22:31 PM	R10204
Chloride	44	10		mg/L	20	4/29/2013 3:59:44 PM	R10204
Nitrate+Nitrite as N	ND	1.0		mg/L	5	4/29/2013 7:30:44 PM	R10204
Sulfate	2500	25		mg/L	50	5/3/2013 2:29:41 AM	R10287
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Aluminum	ND	0.020		mg/L	1	5/1/2013 11:11:58 AM	R10251

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
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: Corn Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 12:40:00 PM
Lab ID: 1304B22-001 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.0067	0.0020		mg/L	1	5/1/2013 11:11:58 AM	R10251
Boron	1.1	0.20		mg/L	5	5/1/2013 11:14:24 AM	R10251
Cadmium	ND	0.0020		mg/L	1	5/1/2013 11:11:58 AM	R10251
Chromium	ND	0.0060		mg/L	1	5/1/2013 11:11:58 AM	R10251
Cobalt	ND	0.0060		mg/L	1	5/1/2013 11:11:58 AM	R10251
Copper	ND	0.0060		mg/L	1	5/1/2013 11:11:58 AM	R10251
Iron	0.70	0.020	*	mg/L	1	5/1/2013 11:11:58 AM	R10251
Manganese	0.12	0.0020	*	mg/L	1	5/1/2013 11:11:58 AM	R10251
Molybdenum	ND	0.0080		mg/L	1	5/1/2013 11:11:58 AM	R10251
Nickel	ND	0.010		mg/L	1	5/1/2013 11:11:58 AM	R10251
Silver	ND	0.0050		mg/L	1	5/1/2013 11:11:58 AM	R10251
Zinc	0.018	0.010		mg/L	1	5/1/2013 11:11:58 AM	R10251
EPA 200.8: DISSOLVED METALS						Analyst: **DBD**	
Arsenic	ND	0.0010		mg/L	1	5/9/2013 12:48:05 PM	R10515
Lead	ND	0.0010		mg/L	1	5/14/2013 12:59:30 PM	R10604
Selenium	ND	0.0010		mg/L	1	5/9/2013 3:52:48 PM	R10517
Uranium	ND	0.0010		mg/L	1	5/14/2013 12:59:30 PM	R10604
EPA METHOD 245.1: MERCURY						Analyst: **IDC**	
Mercury	ND	0.00020		mg/L	1	5/7/2013 4:59:48 PM	7320
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Toluene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Ethylbenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Naphthalene	ND	2.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1-Methylnaphthalene	ND	4.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
2-Methylnaphthalene	ND	4.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Acetone	ND	10		µg/L	1	4/30/2013 3:21:13 AM	R10192
Bromobenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Bromodichloromethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Bromoform	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Bromomethane	ND	3.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
2-Butanone	ND	10		µg/L	1	4/30/2013 3:21:13 AM	R10192
Carbon disulfide	ND	10		µg/L	1	4/30/2013 3:21:13 AM	R10192
Carbon Tetrachloride	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192

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
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: Corn Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 12:40:00 PM
Lab ID: 1304B22-001 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Chlorobenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Chloroethane	ND	2.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Chloroform	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Chloromethane	ND	3.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
2-Chlorotoluene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
4-Chlorotoluene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
cis-1,2-DCE	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Dibromochloromethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Dibromomethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,1-Dichloroethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,1-Dichloroethene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2-Dichloropropane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,3-Dichloropropane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
2,2-Dichloropropane	ND	2.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,1-Dichloropropene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Hexachlorobutadiene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
2-Hexanone	ND	10		µg/L	1	4/30/2013 3:21:13 AM	R10192
Isopropylbenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
4-Isopropyltoluene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
4-Methyl-2-pentanone	ND	10		µg/L	1	4/30/2013 3:21:13 AM	R10192
Methylene Chloride	ND	3.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
n-Butylbenzene	ND	3.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
n-Propylbenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
sec-Butylbenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Styrene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
tert-Butylbenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
trans-1,2-DCE	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192

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
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: Corn Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 12:40:00 PM
Lab ID: 1304B22-001 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Trichlorofluoromethane	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Vinyl chloride	ND	1.0		µg/L	1	4/30/2013 3:21:13 AM	R10192
Xylenes, Total	ND	1.5		µg/L	1	4/30/2013 3:21:13 AM	R10192
Surr: 1,2-Dichloroethane-d4	82.9	70-130		%REC	1	4/30/2013 3:21:13 AM	R10192
Surr: 4-Bromofluorobenzene	84.2	69.5-130		%REC	1	4/30/2013 3:21:13 AM	R10192
Surr: Dibromofluoromethane	81.5	70-130		%REC	1	4/30/2013 3:21:13 AM	R10192
Surr: Toluene-d8	85.1	70-130		%REC	1	4/30/2013 3:21:13 AM	R10192
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	ND	2.5		µg/L	1	5/13/2013	7400
SM4500-H+B: PH						Analyst: **JML**	
pH	7.79	1.68	H	pH units	1	4/30/2013 7:16:14 PM	R10229
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	3550	20.0	*	mg/L	1	5/3/2013 7:03:00 PM	7257

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
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

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 #:**	130430030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1304B22
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	130430030-001	**Sampling Date**	4/26/2013	**Date/Time Received**	4/30/2013	12:03 PM	
Client Sample ID	1304B22-001I / CORN WELL	**Sampling Time**	12:40 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	5/9/2013	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

1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: 1304B22
Pace Project No.: 3093112

Sample: 1304B22-001 Corn Well **Lab ID: 3093112001** Collected: 04/26/13 12:40 Received: 04/30/13 09:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	**1.30 ± 0.690 (0.596)**	pCi/L	05/16/13 15:10	13982-63-3	
Radium-228	EPA 904.0	**1.56 ± 0.579 (0.843)**	pCi/L	05/16/13 10:57	15262-20-1	

Date: 05/20/2013 01:39 PM

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 1304B22
Pace Project No.: 3093112

QC Batch: RADC/15638 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 3093112001

METHOD BLANK: 575690 Matrix: Water
Associated Lab Samples: 3093112001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-226	0.168 ± 0.467 (0.790)	pCi/L	05/16/13 14:58	

Date: 05/20/2013 01:39 PM

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

roject: 1304B22
ace Project No.: 3093112

QC Batch: RADC/15647 Analysis Method: EPA 904.0
C Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
ssociated Lab Samples: 3093112001

METHOD BLANK: 575703 Matrix: Water
ssociated Lab Samples: 3093112001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
adium-228	0.895 ± 0.415 (0.691)	pCi/L	05/16/13 10:57	

REPORT OF LABORATORY ANALYSIS

QC SUMMARY REPORT

WO#: **1304B22**

Hall Environmental Analysis Laboratory, Inc.

22-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R10251**	RunNo: **10251**
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292192** 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: **R10251**	RunNo: **10251**
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292193** 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	0.48	0.0020	0.5000	0	96.0	85	115			
Boron	0.47	0.040	0.5000	0	94.2	85	115			
Cadmium	0.49	0.0020	0.5000	0	97.0	85	115			
Chromium	0.51	0.0060	0.5000	0	102	85	115			
Cobalt	0.47	0.0060	0.5000	0	95.0	85	115			
Copper	0.48	0.0060	0.5000	0	96.9	85	115			
Iron	0.51	0.020	0.5000	0	102	85	115			
Manganese	0.50	0.0020	0.5000	0	99.6	85	115			
Molybdenum	0.50	0.0080	0.5000	0	99.5	85	115			
Nickel	0.51	0.010	0.5000	0	101	85	115			
Silver	0.10	0.0050	0.1000	0	103	85	115			
Zinc	0.47	0.010	0.5000	0	95.0	85	115			

Sample ID **1304B56-002AMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **R10251**	RunNo: **10251**
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292230** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.57	0.020	0.5000	0	115	70	130			
Barium	0.51	0.0020	0.5000	0.03591	95.7	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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	1304B56-002AMS	SampType:	MS		TestCode:	EPA Method 200.7: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R10251		RunNo:	10251				
Prep Date:		Analysis Date:	5/1/2013		SeqNo:	292230	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.50	0.0020	0.5000	0	99.6	70	130			
Chromium	0.51	0.0060	0.5000	0.001710	101	70	130			
Cobalt	0.47	0.0060	0.5000	0.001430	94.2	70	130			
Copper	0.50	0.0060	0.5000	0	101	70	130			
Iron	0.49	0.020	0.5000	0	98.8	70	130			
Manganese	0.50	0.0020	0.5000	0.003260	99.9	70	130			
Molybdenum	0.50	0.0080	0.5000	0.01066	98.2	70	130			
Nickel	0.50	0.010	0.5000	0	99.4	70	130			
Silver	0.10	0.0050	0.1000	0	104	70	130			
Zinc	0.47	0.010	0.5000	0.001840	94.4	70	130			

Sample ID	1304B56-002AMSD	SampType:	MSD		TestCode:	EPA Method 200.7: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R10251		RunNo:	10251				
Prep Date:		Analysis Date:	5/1/2013		SeqNo:	292231	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.58	0.020	0.5000	0	116	70	130	0.951	20	
Barium	0.52	0.0020	0.5000	0.03591	96.1	70	130	0.396	20	
Cadmium	0.50	0.0020	0.5000	0	99.1	70	130	0.541	20	
Chromium	0.51	0.0060	0.5000	0.001710	102	70	130	1.10	20	
Cobalt	0.47	0.0060	0.5000	0.001430	94.2	70	130	0.0656	20	
Copper	0.50	0.0060	0.5000	0	100	70	130	0.195	20	
Iron	0.50	0.020	0.5000	0	101	70	130	2.16	20	
Manganese	0.50	0.0020	0.5000	0.003260	100	70	130	0.169	20	
Molybdenum	0.51	0.0080	0.5000	0.01066	99.3	70	130	1.02	20	
Nickel	0.50	0.010	0.5000	0	99.8	70	130	0.376	20	
Silver	0.10	0.0050	0.1000	0	100	70	130	3.85	20	
Zinc	0.47	0.010	0.5000	0.001840	94.0	70	130	0.364	20	

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1304B22**

Hall Environmental Analysis Laboratory, Inc.

22-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID	LCS	SampType:	LCS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R10515	RunNo:	10515					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297327	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	95.1	85	115			

Sample ID	LCS	SampType:	LCS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R10515	RunNo:	10515					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297328	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.023	0.0010	0.02500	0	93.7	85	115			

Sample ID	MB	SampType:	MBLK	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	PBW	Batch ID:	R10515	RunNo:	10515					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297329	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								

Sample ID	MB	SampType:	MBLK	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	PBW	Batch ID:	R10515	RunNo:	10515					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297330	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								

Sample ID	1304B56-002AMS	SampType:	MS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R10517	RunNo:	10517					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297386	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.028	0.0010	0.02500	0.001642	105	70	130			

Sample ID	1305120-004AMS	SampType:	MS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R10517	RunNo:	10517					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297392	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.027	0.0010	0.02500	0	109	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
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

QC SUMMARY REPORT

WO#: **1304B22**

Hall Environmental Analysis Laboratory, Inc.

22-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID	LCS	SampType:	LCS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R10517	RunNo:	10517					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297393	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.025	0.0010	0.02500	0	98.8	85	115			

Sample ID	MB	SampType:	MBLK	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	PBW	Batch ID:	R10517	RunNo:	10517					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297394	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	ND	0.0010								

Sample ID	1305120-004AMS	SampType:	MS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R10515	RunNo:	10515					
Prep Date:		Analysis Date:	5/9/2013	SeqNo:	297424	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.026	0.0010	0.02500	0.0002709	102	70	130			

Sample ID	LCS	SampType:	LCS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	LCSW	Batch ID:	R10604	RunNo:	10604					
Prep Date:		Analysis Date:	5/14/2013	SeqNo:	299803	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.026	0.0010	0.02500	0	102	85	115			
Uranium	0.028	0.0010	0.02500	0	112	85	115			

Sample ID	MB	SampType:	MBLK	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	PBW	Batch ID:	R10604	RunNo:	10604					
Prep Date:		Analysis Date:	5/14/2013	SeqNo:	299804	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	ND	0.0010								
Uranium	ND	0.0010								

Sample ID	1305120-004AMS	SampType:	MS	TestCode:	EPA 200.8: Dissolved Metals					
Client ID:	BatchQC	Batch ID:	R10604	RunNo:	10604					
Prep Date:		Analysis Date:	5/14/2013	SeqNo:	299806	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	0.20	0.0050	0.1250	0.06514	110	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	MB-7320	SampType:	mblk	TestCode:	EPA Method 245.1: Mercury					
Client ID:	PBW	Batch ID:	7320	RunNo:	10456					
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295496	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-7320	SampType:	lcs	TestCode:	EPA Method 245.1: Mercury					
Client ID:	LCSW	Batch ID:	7320	RunNo:	10456					
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295497	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	95.9	80	120			

Sample ID	1305110-007CMS	SampType:	ms	TestCode:	EPA Method 245.1: Mercury					
Client ID:	BatchQC	Batch ID:	7320	RunNo:	10456					
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295511	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	96.3	75	125			

Sample ID	1305110-007CMSD	SampType:	msd	TestCode:	EPA Method 245.1: Mercury					
Client ID:	BatchQC	Batch ID:	7320	RunNo:	10456					
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295512	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	97.8	75	125	1.55	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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R10204**	RunNo: **10204**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291036** 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								
Nitrate+Nitrite as N	ND	0.20								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R10204**	RunNo: **10204**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291037** 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	98.5	90	110			
Chloride	4.8	0.50	5.000	0	95.3	90	110			
Nitrate+Nitrite as N	3.4	0.20	3.500	0	98.0	90	110			

Sample ID **1304A98-001AMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291039** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.78	0.10	0.5000	0.3185	91.7	76.6	110			
Chloride	16	0.50	5.000	10.71	108	87.8	111			

Sample ID **1304A98-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291040** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.78	0.10	0.5000	0.3185	92.9	76.6	110	0.744	20	
Chloride	16	0.50	5.000	10.71	109	87.8	111	0.137	20	

Sample ID **1304B22-001EMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Corn Well**	Batch ID: **R10204**	RunNo: **10204**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291067** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.96	0.10	0.5000	0.4577	101	76.6	110			

Sample ID **1304B22-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Corn Well**	Batch ID: **R10204**	RunNo: **10204**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291068** Units: **mg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **1304B22-001EMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**

Client ID: **Corn Well** Batch ID: **R10204** RunNo: **10204**

Prep Date: Analysis Date: **4/29/2013** SeqNo: **291068** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.99	0.10	0.5000	0.4577	106	76.6	110	2.61	20	

Sample ID **MB** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBW** Batch ID: **R10204** RunNo: **10204**

Prep Date: Analysis Date: **4/29/2013** SeqNo: **291104** 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								
Nitrate+Nitrite as N	ND	0.20								

Sample ID **LCS** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**

Client ID: **LCSW** Batch ID: **R10204** RunNo: **10204**

Prep Date: Analysis Date: **4/29/2013** SeqNo: **291105** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.48	0.10	0.5000	0	95.4	90	110			
Chloride	4.6	0.50	5.000	0	91.9	90	110			
Nitrate+Nitrite as N	3.3	0.20	3.500	0	94.6	90	110			

Sample ID **130B25-001BMS** SampType: **MS** TestCode: **EPA Method 300.0: Anions**

Client ID: **BatchQC** Batch ID: **R10204** RunNo: **10204**

Prep Date: Analysis Date: **4/30/2013** SeqNo: **291120** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	0.5000	0.5852	91.5	76.6	110			
Nitrate+Nitrite as N	3.9	0.20	3.500	0.5181	97.0	88.6	110			

Sample ID **130B25-001BMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**

Client ID: **BatchQC** Batch ID: **R10204** RunNo: **10204**

Prep Date: Analysis Date: **4/30/2013** SeqNo: **291121** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.1	0.10	0.5000	0.5852	94.5	76.6	110	1.43	20	
Nitrate+Nitrite as N	3.9	0.20	3.500	0.5181	96.6	88.6	110	0.315	20	

Sample ID **MB** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**

Client ID: **PBW** Batch ID: **R10287** RunNo: **10287**

Prep Date: Analysis Date: **5/2/2013** SeqNo: **293290** Units: **mg/L**

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

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R10287**	RunNo: **10287**
Prep Date:	Analysis Date: **5/2/2013**	SeqNo: **293290** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R10287**	RunNo: **10287**
Prep Date:	Analysis Date: **5/2/2013**	SeqNo: **293291** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.5	0.50	10.00	0	95.4	90	110			

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	MB-7204	SampType:	MBLK		TestCode:	EPA Method 8011/504.1: EDB				
Client ID:	PBW	Batch ID:	7204		RunNo:	10175				
Prep Date:	4/29/2013	Analysis Date:	4/29/2013		SeqNo:	290553	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-7204	SampType:	LCS		TestCode:	EPA Method 8011/504.1: EDB				
Client ID:	LCSW	Batch ID:	7204		RunNo:	10175				
Prep Date:	4/29/2013	Analysis Date:	4/29/2013		SeqNo:	290555	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.089	0.010	0.1000	0	89.0	70	130			

Sample ID	1304999-001BMS	SampType:	MS		TestCode:	EPA Method 8011/504.1: EDB				
Client ID:	BatchQC	Batch ID:	7204		RunNo:	10175				
Prep Date:	4/29/2013	Analysis Date:	4/29/2013		SeqNo:	290560	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	0.01600	86.0	53	136			

Sample ID	1304999-001BMSD	SampType:	MSD		TestCode:	EPA Method 8011/504.1: EDB				
Client ID:	BatchQC	Batch ID:	7204		RunNo:	10175				
Prep Date:	4/29/2013	Analysis Date:	4/29/2013		SeqNo:	290572	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.11	0.010	0.1000	0.01600	94.0	53	136	7.55	20	

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1304B22**

Hall Environmental Analysis Laboratory, Inc.

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **MB-7199**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **7199**	RunNo: **10253**
Prep Date: **4/29/2013**	Analysis Date: **5/1/2013**	SeqNo: **292272** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
roclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
roclor 1242	ND	1.0								
.roclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
roclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	2.3		2.500		91.2	23.9	124			
Surr: Tetrachloro-m-xylene	1.9		2.500		76.4	28.1	139			

Sample ID **LCS-7199**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **7199**	RunNo: **10253**
Prep Date: **4/29/2013**	Analysis Date: **5/1/2013**	SeqNo: **292274** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.6	1.0	5.000	0	51.4	32.3	121			
Aroclor 1260	3.5	1.0	5.000	0	69.8	34	128			
Surr: Decachlorobiphenyl	2.0		2.500		80.8	23.9	124			
Surr: Tetrachloro-m-xylene	1.6		2.500		63.2	28.1	139			

Sample ID **LCSD-7199**	SampType: **LCSD**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSS02**	Batch ID: **7199**	RunNo: **10253**
Prep Date: **4/29/2013**	Analysis Date: **5/1/2013**	SeqNo: **292276** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.0	1.0	5.000	0	59.3	32.3	121	14.3	29.9	
Aroclor 1260	4.0	1.0	5.000	0	80.8	34	128	14.6	25.9	
Surr: Decachlorobiphenyl	2.4		2.500		94.4	23.9	124	0	0	
Surr: Tetrachloro-m-xylene	1.8		2.500		73.2	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
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

QC SUMMARY REPORT

WO#: **1304B22**

Hall Environmental Analysis Laboratory, Inc.

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290505** 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								
2-Dichloroethane (EDC)	ND	1.0								
2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	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								
-Butanone	ND	10								
arbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
hloroethane	ND	2.0								
hloroform	ND	1.0								
Chloromethane	ND	3.0								
-Chlorotoluene	ND	1.0								
-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
is-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								
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								

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290505** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
exachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
-Isopropyltoluene	ND	1.0								
-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
-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								
etrachloroethene (PCE)	ND	1.0								
ans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
',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								
inyl chloride	ND	1.0								
ylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.5		10.00		85.0	70	130			
Surr: 4-Bromofluorobenzene	8.6		10.00		86.3	69.5	130			
Surr: Dibromofluoromethane	8.3		10.00		82.9	70	130			
Surr: Toluene-d8	8.3		10.00		83.2	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290512** 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	112	80	120			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
,1-Dichloroethene	19	1.0	20.00	0	97.0	85.8	133			
Trichloroethene (TCE)	20	1.0	20.00	0	101	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
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

QC SUMMARY REPORT

WO#: **1304B22**

Hall Environmental Analysis Laboratory, Inc.

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290512** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.2	70	130			
Surr: 4-Bromofluorobenzene	8.3		10.00		83.4	69.5	130			
Surr: Dibromofluoromethane	8.2		10.00		82.3	70	130			
Surr: Toluene-d8	8.3		10.00		83.1	70	130			

Sample ID **1304b18-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290550** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene	20	1.0	20.00	0	99.6	70	130			
oluene	22	1.0	20.00	0	109	68.5	128			
Chlorobenzene	21	1.0	20.00	0	104	70	130			
,1-Dichloroethene	19	1.0	20.00	0	94.4	70	130			
richloroethene (TCE)	20	1.0	20.00	0	98.3	61.3	102			
Surr: 1,2-Dichloroethane-d4	8.5		10.00		85.1	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.1	69.5	130			
Surr: Dibromofluoromethane	7.9		10.00		78.9	70	130			
Surr: Toluene-d8	8.1		10.00		81.3	70	130			

Sample ID **1304b18-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290552** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.0	70	130	0.670	20	
Toluene	21	1.0	20.00	0	107	68.5	128	2.18	20	
hlorobenzene	20	1.0	20.00	0	101	70	130	2.54	20	
,1-Dichloroethene	18	1.0	20.00	0	91.7	70	130	2.92	20	
Trichloroethene (TCE)	20	1.0	20.00	0	97.6	61.3	102	0.658	20	
Surr: 1,2-Dichloroethane-d4	8.4		10.00		84.3	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.5		10.00		84.8	69.5	130	0	0	
Surr: Dibromofluoromethane	8.4		10.00		83.8	70	130	0	0	
Surr: Toluene-d8	8.2		10.00		82.0	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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **MB-7198**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **7198**	RunNo: **10324**
Prep Date: **4/29/2013**	Analysis Date: **5/6/2013**	SeqNo: **294309** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
aphthalene	ND	2.0								
1-Methylnaphthalene	ND	2.0								
2-Methylnaphthalene	ND	2.0								
cenaphthylene	ND	2.5								
cenaphthene	ND	5.0								
Fluorene	ND	0.80								
henanthrene	ND	0.60								
nthracene	ND	0.60								
Fluoranthene	ND	0.30								
yrene	ND	0.30								
enz(a)anthracene	ND	0.070								
Chrysene	ND	0.20								
Benzo(b)fluoranthene	ND	0.10								
enzo(k)fluoranthene	ND	0.070								
enzo(a)pyrene	ND	0.070								
Dibenz(a,h)anthracene	ND	0.12								
enzo(g,h,i)perylene	ND	0.12								
ideno(1,2,3-cd)pyrene	ND	0.080								
Surr: Benzo(e)pyrene	19		20.00		97.0	46.4	106			

Sample ID **LCS-7198**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7198**	RunNo: **10324**
Prep Date: **4/29/2013**	Analysis Date: **5/6/2013**	SeqNo: **294310** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	59	2.0	80.00	0	74.0	46	82.9			
1-Methylnaphthalene	65	2.0	80.20	0	81.3	47.2	85.8			
-Methylnaphthalene	67	2.0	80.00	0	84.1	48.4	84.6			
cenaphthylene	69	2.5	80.20	0	85.5	58.7	78.7			S
Acenaphthene	70	5.0	80.00	0	87.2	55.3	85.1			S
luorene	7.2	0.80	8.020	0	89.4	31.9	82.2			S
henanthrene	3.3	0.60	4.020	0	82.6	54.5	81.9			S
Anthracene	3.3	0.60	4.020	0	81.8	51.9	82.7			
luoranthene	7.1	0.30	8.020	0	88.8	57.6	83.7			S
yrene	6.1	0.30	8.020	0	75.9	53.1	70.4			S
Benz(a)anthracene	0.74	0.070	0.8020	0	92.3	48	85.7			S
Chrysene	3.3	0.20	4.020	0	82.8	44.3	78.2			S
enzo(b)fluoranthene	0.94	0.10	1.002	0	93.8	60	90.4			S
enzo(k)fluoranthene	0.46	0.070	0.5000	0	92.0	61.4	89			S
Benzo(a)pyrene	0.44	0.070	0.5020	0	87.6	63.5	88.6			

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **LCS-7198**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7198**	RunNo: **10324**
Prep Date: **4/29/2013**	Analysis Date: **5/6/2013**	SeqNo: **294310** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
benz(a,h)anthracene	0.91	0.12	1.002	0	90.8	57	92.6			
Benzo(g,h,i)perylene	0.93	0.12	1.000	0	93.0	55.4	95.9			
Indeno(1,2,3-cd)pyrene	1.7	0.080	2.004	0	86.3	52.7	88.6			
Surr: Benzo(e)pyrene	18		20.00		90.9	46.4	106			

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B22**

22-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	**1304b02-004a dup**	SampType: **dup**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R10229**		RunNo: **10229**					
Prep Date:		Analysis Date: **4/30/2013**		SeqNo: **291783**		Units: **pH units**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.85	1.68								H

Sample ID	**1304a89-009b dup**	SampType: **dup**		TestCode: **SM4500-H+B: pH**					
Client ID:	**BatchQC**	Batch ID: **R10229**		RunNo: **10229**					
Prep Date:		Analysis Date: **4/30/2013**		SeqNo: **291790**		Units: **pH units**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	8.12	1.68								H

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
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

QC SUMMARY REPORT

WO#: **1304B22**

lall Environmental Analysis Laboratory, Inc.

22-May-13

Client: HRL Compliance Solutions

roject: Enterprise WEP III

Sample ID	MB-7257	SampType:	MBLK		TestCode:	SM2540C MOD: Total Dissolved Solids				
:lient ID:	PBW	Batch ID:	7257		RunNo:	10309				
Prep Date:	5/2/2013	Analysis Date:	5/3/2013		SeqNo:	293729	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
tal Dissolved Solids	ND	20.0								

Sample ID	LCS-7257	SampType:	LCS		TestCode:	SM2540C MOD: Total Dissolved Solids				
:lient ID:	LCSW	Batch ID:	7257		RunNo:	10309				
Prep Date:	5/2/2013	Analysis Date:	5/3/2013		SeqNo:	293730	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
otal Dissolved Solids	1010	20.0	1000	0	101	80	120			

Sample ID	1305008-002AMS	SampType:	MS		TestCode:	SM2540C MOD: Total Dissolved Solids				
:lient ID:	BatchQC	Batch ID:	7257		RunNo:	10309				
Prep Date:	5/2/2013	Analysis Date:	5/3/2013		SeqNo:	293748	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
otal Dissolved Solids	6130	40.0	2000	4012	106	80	120			

Sample ID	1305008-002AMSD	SampType:	MSD		TestCode:	SM2540C MOD: Total Dissolved Solids				
:lient ID:	BatchQC	Batch ID:	7257		RunNo:	10309				
Prep Date:	5/2/2013	Analysis Date:	5/3/2013		SeqNo:	293749	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
otal Dissolved Solids	6120	40.0	2000	4012	105	80	120	0.196	5	

)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
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

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: 1304B22 RcptNo: 1

Received by/date: CS 04/26/13

Logged By: **Anne Thorne** 4/26/2013 5:09:00 PM

Completed By: **Anne Thorne** 4/29/2013

Reviewed By: AT 04/29/13

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
18.1	18.1	Good	Not Present			

Chain-of-Custody Record

Client: HRL Compliance Solutions

Mailing Address: 2385 F½ 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

Project #: 13-110.2

Project Manager: Kay Lambert

Sampler: Theresa Arnell

On Ice: ☑ Yes ☐ No

Sample Temperature:

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. 1304B22	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)
4/26/13	1240	SW	Corn Well	Various	see container	-001												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/26/13	1709	Theresa Arnell	[signature]	4/26/13	17:09
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

May 29, 2013

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

RE: Enterprise WEP III OrderNo.: 1304B24

Dear Kay Lambert:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/26/2013 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. 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. 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.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Wooten Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 9:05:00 AM
Lab ID: 1304B24-001 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 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	4/30/2013 1:14:01 AM	7204
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	5/2/2013 7:36:52 AM	7199
Aroclor 1221	ND	1.0		µg/L	1	5/2/2013 7:36:52 AM	7199
Aroclor 1232	ND	1.0		µg/L	1	5/2/2013 7:36:52 AM	7199
Aroclor 1242	ND	1.0		µg/L	1	5/2/2013 7:36:52 AM	7199
Aroclor 1248	ND	1.0		µg/L	1	5/2/2013 7:36:52 AM	7199
Aroclor 1254	ND	1.0		µg/L	1	5/2/2013 7:36:52 AM	7199
Aroclor 1260	ND	1.0		µg/L	1	5/2/2013 7:36:52 AM	7199
Surr: Decachlorobiphenyl	58.0	23.9-124		%REC	1	5/2/2013 7:36:52 AM	7199
Surr: Tetrachloro-m-xylene	43.6	28.1-139		%REC	1	5/2/2013 7:36:52 AM	7199
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	5/6/2013 6:47:58 PM	7198
1-Methylnaphthalene	ND	2.0		µg/L	1	5/6/2013 6:47:58 PM	7198
2-Methylnaphthalene	ND	2.0		µg/L	1	5/6/2013 6:47:58 PM	7198
Acenaphthylene	ND	2.5		µg/L	1	5/6/2013 6:47:58 PM	7198
Acenaphthene	ND	5.0		µg/L	1	5/6/2013 6:47:58 PM	7198
Fluorene	ND	0.80		µg/L	1	5/6/2013 6:47:58 PM	7198
Phenanthrene	ND	0.60		µg/L	1	5/6/2013 6:47:58 PM	7198
Anthracene	ND	0.60		µg/L	1	5/6/2013 6:47:58 PM	7198
Fluoranthene	ND	0.30		µg/L	1	5/6/2013 6:47:58 PM	7198
Pyrene	ND	0.30		µg/L	1	5/6/2013 6:47:58 PM	7198
Benz(a)anthracene	ND	0.070		µg/L	1	5/6/2013 6:47:58 PM	7198
Chrysene	ND	0.20		µg/L	1	5/6/2013 6:47:58 PM	7198
Benzo(b)fluoranthene	ND	0.10		µg/L	1	5/6/2013 6:47:58 PM	7198
Benzo(k)fluoranthene	ND	0.070		µg/L	1	5/6/2013 6:47:58 PM	7198
Benzo(a)pyrene	ND	0.070		µg/L	1	5/6/2013 6:47:58 PM	7198
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	5/6/2013 6:47:58 PM	7198
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	5/6/2013 6:47:58 PM	7198
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	5/6/2013 6:47:58 PM	7198
Surr: Benzo(e)pyrene	87.9	46.4-106		%REC	1	5/6/2013 6:47:58 PM	7198
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	ND	2.0		mg/L	20	4/29/2013 10:12:07 PM	R10204
Chloride	4900	250		mg/L	500	5/2/2013 3:24:25 AM	R10269
Nitrate+Nitrite as N	ND	4.0		mg/L	20	5/2/2013 5:16:03 AM	R10269
Sulfate	2700	250		mg/L	500	5/3/2013 2:17:16 AM	R10287
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Aluminum	ND	0.020		mg/L	1	5/1/2013 11:16:55 AM	R10251

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
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: Wooten Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 9:05:00 AM
Lab ID: 1304B24-001 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.011	0.0020		mg/L	1	5/1/2013 11:16:55 AM	R10251
Boron	1.1	0.20		mg/L	5	5/1/2013 11:19:19 AM	R10251
Cadmium	ND	0.0020		mg/L	1	5/1/2013 11:16:55 AM	R10251
Chromium	ND	0.0060		mg/L	1	5/1/2013 11:16:55 AM	R10251
Cobalt	ND	0.0060		mg/L	1	5/1/2013 11:16:55 AM	R10251
Copper	ND	0.0060		mg/L	1	5/1/2013 11:16:55 AM	R10251
Iron	0.68	0.020	*	mg/L	1	5/1/2013 11:16:55 AM	R10251
Manganese	0.044	0.0020		mg/L	1	5/1/2013 11:16:55 AM	R10251
Molybdenum	ND	0.0080		mg/L	1	5/1/2013 11:16:55 AM	R10251
Nickel	ND	0.010		mg/L	1	5/1/2013 11:16:55 AM	R10251
Silver	0.0055	0.0050		mg/L	1	5/1/2013 11:16:55 AM	R10251
Zinc	0.017	0.010		mg/L	1	5/1/2013 11:16:55 AM	R10251
EPA 200.8: DISSOLVED METALS						Analyst: **DBD**	
Arsenic	ND	0.0010		mg/L	1	5/9/2013 12:50:26 PM	R10515
Lead	ND	0.0050		mg/L	5	5/14/2013 2:46:46 PM	R10604
Selenium	0.0073	0.0010		mg/L	1	5/9/2013 3:54:43 PM	R10517
Uranium	0.0061	0.0050		mg/L	5	5/14/2013 2:46:46 PM	R10604
EPA METHOD 245.1: MERCURY						Analyst: **IDC**	
Mercury	ND	0.00020		mg/L	1	5/7/2013 5:01:38 PM	7320
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Toluene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Ethylbenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Naphthalene	ND	2.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1-Methylnaphthalene	ND	4.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
2-Methylnaphthalene	ND	4.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Acetone	ND	10		µg/L	1	4/29/2013 10:01:59 PM	R10192
Bromobenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Bromodichloromethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Bromoform	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Bromomethane	ND	3.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
2-Butanone	ND	10		µg/L	1	4/29/2013 10:01:59 PM	R10192
Carbon disulfide	ND	10		µg/L	1	4/29/2013 10:01:59 PM	R10192
Carbon Tetrachloride	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192

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
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: Wooten Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 9:05:00 AM
Lab ID: 1304B24-001
Matrix: AQUEOUS
Received Date: 4/26/2013 5:09:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Chlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Chloroethane	ND	2.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Chloroform	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Chloromethane	ND	3.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
2-Chlorotoluene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
4-Chlorotoluene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
cis-1,2-DCE	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Dibromochloromethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Dibromomethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,1-Dichloroethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,1-Dichloroethene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2-Dichloropropane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,3-Dichloropropane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
2,2-Dichloropropane	ND	2.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,1-Dichloropropene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Hexachlorobutadiene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
2-Hexanone	ND	10		µg/L	1	4/29/2013 10:01:59 PM	R10192
Isopropylbenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
4-Isopropyltoluene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
4-Methyl-2-pentanone	ND	10		µg/L	1	4/29/2013 10:01:59 PM	R10192
Methylene Chloride	ND	3.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
n-Butylbenzene	ND	3.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
n-Propylbenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
sec-Butylbenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Styrene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
tert-Butylbenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
trans-1,2-DCE	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192

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
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: Wooten Well
Project: Enterprise WEP III
Collection Date: 4/26/2013 9:05:00 AM
Lab ID: 1304B24-001
Matrix: AQUEOUS
Received Date: 4/26/2013 5:09:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Trichlorofluoromethane	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Vinyl chloride	ND	1.0		µg/L	1	4/29/2013 10:01:59 PM	R10192
Xylenes, Total	ND	1.5		µg/L	1	4/29/2013 10:01:59 PM	R10192
Surr: 1,2-Dichloroethane-d4	82.6	70-130		%REC	1	4/29/2013 10:01:59 PM	R10192
Surr: 4-Bromofluorobenzene	84.0	69.5-130		%REC	1	4/29/2013 10:01:59 PM	R10192
Surr: Dibromofluoromethane	78.7	70-130		%REC	1	4/29/2013 10:01:59 PM	R10192
Surr: Toluene-d8	84.9	70-130		%REC	1	4/29/2013 10:01:59 PM	R10192
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	ND	2.5		µg/L	1	5/13/2013	7400
SM4500-H+B: PH						Analyst: **JML**	
pH	7.65	1.68	H	pH units	1	4/30/2013 7:20:16 PM	R10229
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	12800	40.0	*	mg/L	1	5/3/2013 7:03:00 PM	7257

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J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
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
Collection Date:
Lab ID: 1304B24-002 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 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	4/30/2013 1:27:50 AM	7204
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Toluene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Ethylbenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Naphthalene	ND	2.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1-Methylnaphthalene	ND	4.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
2-Methylnaphthalene	ND	4.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Acetone	ND	10		µg/L	1	4/29/2013 10:33:46 PM	R10192
Bromobenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Bromodichloromethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Bromoform	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Bromomethane	ND	3.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
2-Butanone	ND	10		µg/L	1	4/29/2013 10:33:46 PM	R10192
Carbon disulfide	ND	10		µg/L	1	4/29/2013 10:33:46 PM	R10192
Carbon Tetrachloride	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Chlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Chloroethane	ND	2.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Chloroform	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Chloromethane	ND	3.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
2-Chlorotoluene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
4-Chlorotoluene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
cis-1,2-DCE	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Dibromochloromethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Dibromomethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,1-Dichloroethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,1-Dichloroethene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2-Dichloropropane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,3-Dichloropropane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192

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
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
Collection Date:
Lab ID: 1304B24-002 **Matrix:** AQUEOUS **Received Date:** 4/26/2013 5:09:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
2,2-Dichloropropane	ND	2.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,1-Dichloropropene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Hexachlorobutadiene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
2-Hexanone	ND	10		µg/L	1	4/29/2013 10:33:46 PM	R10192
Isopropylbenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
4-Isopropyltoluene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
4-Methyl-2-pentanone	ND	10		µg/L	1	4/29/2013 10:33:46 PM	R10192
Methylene Chloride	ND	3.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
n-Butylbenzene	ND	3.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
n-Propylbenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
sec-Butylbenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Styrene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
tert-Butylbenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
trans-1,2-DCE	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Trichlorofluoromethane	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Vinyl chloride	ND	1.0		µg/L	1	4/29/2013 10:33:46 PM	R10192
Xylenes, Total	ND	1.5		µg/L	1	4/29/2013 10:33:46 PM	R10192
Surr: 1,2-Dichloroethane-d4	80.0	70-130		%REC	1	4/29/2013 10:33:46 PM	R10192
Surr: 4-Bromofluorobenzene	89.9	69.5-130		%REC	1	4/29/2013 10:33:46 PM	R10192
Surr: Dibromofluoromethane	79.0	70-130		%REC	1	4/29/2013 10:33:46 PM	R10192
Surr: Toluene-d8	84.3	70-130		%REC	1	4/29/2013 10:33:46 PM	R10192

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
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

Anatek Labs, Inc.

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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 #:**	130430028
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1304B24
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	130430028-001	**Sampling Date**	4/26/2013	**Date/Time Received**	4/30/2013 12:03 PM
Client Sample ID	1304B24-001I / WOOTEN WELL	**Sampling Time**	9:05 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	5/8/2013	CRW	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

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

Pace Analytical
www.pacelabs.com

1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

oject: 1304B24
ace Project No.: 3093115

Sample: 1304B24-001 Wooten Well **Lab ID: 3093115001** Collected: 04/26/13 09:05 Received: 04/30/13 09:00 Matrix: Water
VS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
adium-226	EPA 903.1	**1.03 ± 0.951 (0.560)**	pCi/L	05/24/13 08:40	13982-63-3	
adium-228	EPA 904.0	**0.910 ± 0.464 (0.798)**	pCi/L	05/15/13 15:00	15262-20-1	

ate: 05/24/2013 03:51 PM

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 1304B24
Pace Project No.: 3093115

QC Batch: RADC/15862
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Associated Lab Samples: 3093115001

METHOD BLANK: 583687
Matrix: Water
Associated Lab Samples: 3093115001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-226	-0.247 ± 0.377 (0.988)	pCi/L	05/24/13 08:40	

Date: 05/24/2013 03:51 PM

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: 1304B24
Pace Project No.: 3093115

QC Batch: RADC/15692
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Associated Lab Samples: 3093115001

METHOD BLANK: 577293
Matrix: Water
Associated Lab Samples: 3093115001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-228	0.612 ± 0.376 (0.687)	pCi/L	05/15/13 11:35	

Date: 05/24/2013 03:51 PM

REPORT OF LABORATORY ANALYSIS

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R10251**	RunNo: **10251**
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292192** 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: **R10251**	RunNo: **10251**
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292193** 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	0.48	0.0020	0.5000	0	96.0	85	115			
Boron	0.47	0.040	0.5000	0	94.2	85	115			
Cadmium	0.49	0.0020	0.5000	0	97.0	85	115			
Chromium	0.51	0.0060	0.5000	0	102	85	115			
Cobalt	0.47	0.0060	0.5000	0	95.0	85	115			
Copper	0.48	0.0060	0.5000	0	96.9	85	115			
Iron	0.51	0.020	0.5000	0	102	85	115			
Manganese	0.50	0.0020	0.5000	0	99.6	85	115			
Molybdenum	0.50	0.0080	0.5000	0	99.5	85	115			
Nickel	0.51	0.010	0.5000	0	101	85	115			
Silver	0.10	0.0050	0.1000	0	103	85	115			
Zinc	0.47	0.010	0.5000	0	95.0	85	115			

Sample ID **1304B56-002AMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **R10251**	RunNo: **10251**
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292230** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.57	0.020	0.5000	0	115	70	130			
Barium	0.51	0.0020	0.5000	0.03591	95.7	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	1304B56-002AMS	SampType:	MS		TestCode:	EPA Method 200.7: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R10251		RunNo:	10251				
Prep Date:		Analysis Date:	5/1/2013		SeqNo:	292230	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.50	0.0020	0.5000	0	99.6	70	130			
Chromium	0.51	0.0060	0.5000	0.001710	101	70	130			
Cobalt	0.47	0.0060	0.5000	0.001430	94.2	70	130			
Copper	0.50	0.0060	0.5000	0	101	70	130			
Iron	0.49	0.020	0.5000	0	98.8	70	130			
Manganese	0.50	0.0020	0.5000	0.003260	99.9	70	130			
Molybdenum	0.50	0.0080	0.5000	0.01066	98.2	70	130			
Nickel	0.50	0.010	0.5000	0	99.4	70	130			
Silver	0.10	0.0050	0.1000	0	104	70	130			
Zinc	0.47	0.010	0.5000	0.001840	94.4	70	130			

Sample ID	1304B56-002AMSD	SampType:	MSD		TestCode:	EPA Method 200.7: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R10251		RunNo:	10251				
Prep Date:		Analysis Date:	5/1/2013		SeqNo:	292231	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.58	0.020	0.5000	0	116	70	130	0.951	20	
Barium	0.52	0.0020	0.5000	0.03591	96.1	70	130	0.396	20	
Cadmium	0.50	0.0020	0.5000	0	99.1	70	130	0.541	20	
Chromium	0.51	0.0060	0.5000	0.001710	102	70	130	1.10	20	
Cobalt	0.47	0.0060	0.5000	0.001430	94.2	70	130	0.0656	20	
Copper	0.50	0.0060	0.5000	0	100	70	130	0.195	20	
Iron	0.50	0.020	0.5000	0	101	70	130	2.16	20	
Manganese	0.50	0.0020	0.5000	0.003260	100	70	130	0.169	20	
Molybdenum	0.51	0.0080	0.5000	0.01066	99.3	70	130	1.02	20	
Nickel	0.50	0.010	0.5000	0	99.8	70	130	0.376	20	
Silver	0.10	0.0050	0.1000	0	100	70	130	3.85	20	
Zinc	0.47	0.010	0.5000	0.001840	94.0	70	130	0.364	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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R10515		RunNo:	10515				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297327	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	95.1	85	115			

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	LCSW	Batch ID:	R10515		RunNo:	10515				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297328	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.023	0.0010	0.02500	0	93.7	85	115			

Sample ID	MB	SampType:	MBLK		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	PBW	Batch ID:	R10515		RunNo:	10515				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297329	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								

Sample ID	MB	SampType:	MBLK		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	PBW	Batch ID:	R10515		RunNo:	10515				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297330	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								

Sample ID	1304B56-002AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R10517		RunNo:	10517				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297386	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.028	0.0010	0.02500	0.001642	105	70	130			

Sample ID	1305120-004AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R10517		RunNo:	10517				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297392	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.027	0.0010	0.02500	0	109	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
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

QC SUMMARY REPORT

lall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

roject: Enterprise WEP III

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
:lient ID:	LCSW	Batch ID:	R10517		RunNo:	10517				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297393	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
elenium	0.025	0.0010	0.02500	0	98.8	85	115			

Sample ID	MB	SampType:	MBLK		TestCode:	EPA 200.8: Dissolved Metals				
:lient ID:	PBW	Batch ID:	R10517		RunNo:	10517				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297394	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
elenium	ND	0.0010								

Sample ID	1305120-004AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
:lient ID:	BatchQC	Batch ID:	R10515		RunNo:	10515				
Prep Date:		Analysis Date:	5/9/2013		SeqNo:	297424	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
senic	0.026	0.0010	0.02500	0.0002709	102	70	130			

Sample ID	LCS	SampType:	LCS		TestCode:	EPA 200.8: Dissolved Metals				
:lient ID:	LCSW	Batch ID:	R10604		RunNo:	10604				
Prep Date:		Analysis Date:	5/14/2013		SeqNo:	299803	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ead	0.026	0.0010	0.02500	0	102	85	115			
Uranium	0.028	0.0010	0.02500	0	112	85	115			

Sample ID	MB	SampType:	MBLK		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	PBW	Batch ID:	R10604		RunNo:	10604				
Prep Date:		Analysis Date:	5/14/2013		SeqNo:	299804	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	ND	0.0010								
Uranium	ND	0.0010								

Sample ID	1305120-004AMS	SampType:	MS		TestCode:	EPA 200.8: Dissolved Metals				
Client ID:	BatchQC	Batch ID:	R10604		RunNo:	10604				
Prep Date:		Analysis Date:	5/14/2013		SeqNo:	299806	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	0.20	0.0050	0.1250	0.06514	110	70	130			

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	MB-7320	SampType:	mblk	TestCode:	EPA Method 245.1: Mercury				
Client ID:	PBW	Batch ID:	7320	RunNo:	10456				
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295496	Units:	mg/L		

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

Sample ID	LCS-7320	SampType:	lcs	TestCode:	EPA Method 245.1: Mercury				
Client ID:	LCSW	Batch ID:	7320	RunNo:	10456				
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295497	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	95.9	80	120			

Sample ID	1305110-007CMS	SampType:	ms	TestCode:	EPA Method 245.1: Mercury				
Client ID:	BatchQC	Batch ID:	7320	RunNo:	10456				
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295511	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	96.3	75	125			

Sample ID	1305110-007CMSD	SampType:	msd	TestCode:	EPA Method 245.1: Mercury				
Client ID:	BatchQC	Batch ID:	7320	RunNo:	10456				
Prep Date:	5/7/2013	Analysis Date:	5/7/2013	SeqNo:	295512	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	97.8	75	125	1.55	20	

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1304B24**

Hall Environmental Analysis Laboratory, Inc.

29-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291036**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291037**	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	98.5	90	110			

Sample ID **1304A98-001AMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291039**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.78	0.10	0.5000	0.3185	91.7	76.6	110			

Sample ID **1304A98-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291040**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.78	0.10	0.5000	0.3185	92.9	76.6	110	0.744	20	

Sample ID **1304B22-001EMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291067**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.96	0.10	0.5000	0.4577	101	76.6	110			

Sample ID **1304B22-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291068**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.99	0.10	0.5000	0.4577	106	76.6	110	2.61	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
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

QC SUMMARY REPORT

WO#: **1304B24**

Hall Environmental Analysis Laboratory, Inc.

29-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291104**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **291105**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.48	0.10	0.5000	0	95.4	90	110			

Sample ID **130B25-001BMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/30/2013**	SeqNo: **291120**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	0.5000	0.5852	91.5	76.6	110			

Sample ID **130B25-001BMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R10204**	RunNo: **10204**							
Prep Date:	Analysis Date: **4/30/2013**	SeqNo: **291121**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.1	0.10	0.5000	0.5852	94.5	76.6	110	1.43	20	

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R10269**	RunNo: **10269**							
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292821**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								

Sample ID **LCS-b**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R10269**	RunNo: **10269**							
Prep Date:	Analysis Date: **5/1/2013**	SeqNo: **292823**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.5	90	110			
Nitrate+Nitrite as N	3.3	0.20	3.500	0	94.8	90	110			

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1304B24**

Hall Environmental Analysis Laboratory, Inc.

29-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID	1305041-001BMS	SampType:	MS		TestCode:	EPA Method 300.0: Anions				
Client ID:	BatchQC	Batch ID:	R10269		RunNo:	10269				
Prep Date:		Analysis Date:	5/1/2013		SeqNo:	292839	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	0.50	5.000	9.751	105	87.8	111			
Nitrate+Nitrite as N	3.4	0.20	3.500	0	97.9	88.6	110			

Sample ID	1305041-001BMSD	SampType:	MSD		TestCode:	EPA Method 300.0: Anions				
Client ID:	BatchQC	Batch ID:	R10269		RunNo:	10269				
Prep Date:		Analysis Date:	5/1/2013		SeqNo:	292840	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	0.50	5.000	9.751	103	87.8	111	0.569	20	
Nitrate+Nitrite as N	3.4	0.20	3.500	0	96.3	88.6	110	1.57	20	

Sample ID	MB	SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBW	Batch ID:	R10287		RunNo:	10287				
Prep Date:		Analysis Date:	5/2/2013		SeqNo:	293290	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	ND	0.50								

Sample ID	LCS	SampType:	LCS		TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSW	Batch ID:	R10287		RunNo:	10287				
Prep Date:		Analysis Date:	5/2/2013		SeqNo:	293291	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.5	0.50	10.00	0	95.4	90	110			

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
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

QC SUMMARY REPORT

WO#: **1304B24**

Hall Environmental Analysis Laboratory, Inc.

29-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID **MB-7204** SampType: **MBLK** TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW** Batch ID: **7204** RunNo: **10175**
Prep Date: **4/29/2013** Analysis Date: **4/29/2013** SeqNo: **290553** 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-7204** SampType: **LCS** TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW** Batch ID: **7204** RunNo: **10175**
Prep Date: **4/29/2013** Analysis Date: **4/29/2013** SeqNo: **290555** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.089	0.010	0.1000	0	89.0	70	130			

Sample ID **1304999-001BMS** SampType: **MS** TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **BatchQC** Batch ID: **7204** RunNo: **10175**
Prep Date: **4/29/2013** Analysis Date: **4/29/2013** SeqNo: **290560** 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	0.01600	86.0	53	136			

Sample ID **1304999-001BMSD** SampType: **MSD** TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **BatchQC** Batch ID: **7204** RunNo: **10175**
Prep Date: **4/29/2013** Analysis Date: **4/29/2013** SeqNo: **290572** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.11	0.010	0.1000	0.01600	94.0	53	136	7.55	20	

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1304B24**

Hall Environmental Analysis Laboratory, Inc.

29-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID **MB-7199**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **7199**	RunNo: **10253**
Prep Date: **4/29/2013**	Analysis Date: **5/1/2013**	SeqNo: **292272** 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		91.2	23.9	124			
Surr: Tetrachloro-m-xylene	1.9		2.500		76.4	28.1	139			

Sample ID **LCS-7199**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **7199**	RunNo: **10253**
Prep Date: **4/29/2013**	Analysis Date: **5/1/2013**	SeqNo: **292274** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.6	1.0	5.000	0	51.4	32.3	121			
Aroclor 1260	3.5	1.0	5.000	0	69.8	34	128			
Surr: Decachlorobiphenyl	2.0		2.500		80.8	23.9	124			
Surr: Tetrachloro-m-xylene	1.6		2.500		63.2	28.1	139			

Sample ID **LCSD-7199**	SampType: **LCSD**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSS02**	Batch ID: **7199**	RunNo: **10253**
Prep Date: **4/29/2013**	Analysis Date: **5/1/2013**	SeqNo: **292276** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.0	1.0	5.000	0	59.3	32.3	121	14.3	29.9	
Aroclor 1260	4.0	1.0	5.000	0	80.8	34	128	14.6	25.9	
Surr: Decachlorobiphenyl	2.4		2.500		94.4	23.9	124	0	0	
Surr: Tetrachloro-m-xylene	1.8		2.500		73.2	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
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

QC SUMMARY REPORT

WO#: **1304B24**

Hall Environmental Analysis Laboratory, Inc.

29-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID **5ml-rb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **R10192** RunNo: **10192**
Prep Date: Analysis Date: **4/29/2013** SeqNo: **290505** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene	ND	1.0								
Toluene	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								
2-Dichloroethane (EDC)	ND	1.0								
2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
-Methylnaphthalene	ND	4.0								
-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
romodichloromethane	ND	1.0								
romoform	ND	1.0								
Bromomethane	ND	3.0								
-Butanone	ND	10								
arbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
hloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
-Chlorotoluene	ND	1.0								
-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
s-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
,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								
,2-Dichloropropane	ND	1.0								
,3-Dichloropropane	ND	1.0								
2,2-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
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

QC SUMMARY REPORT

WO#: **1304B24**

Hall Environmental Analysis Laboratory, Inc.

29-May-13

Client: HRL Compliance Solutions
Project: Enterprise WEP III

Sample ID **5ml-rb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **R10192** RunNo: **10192**
Prep Date: Analysis Date: **4/29/2013** SeqNo: **290505** 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								
p-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	8.5		10.00		85.0	70	130			
Surr: 4-Bromofluorobenzene	8.6		10.00		86.3	69.5	130			
Surr: Dibromofluoromethane	8.3		10.00		82.9	70	130			
Surr: Toluene-d8	8.3		10.00		83.2	70	130			

Sample ID **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **R10192** RunNo: **10192**
Prep Date: Analysis Date: **4/29/2013** SeqNo: **290512** 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	112	80	120			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	97.0	85.8	133			
Trichloroethene (TCE)	20	1.0	20.00	0	101	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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290512** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.2	70	130			
Surr: 4-Bromofluorobenzene	8.3		10.00		83.4	69.5	130			
Surr: Dibromofluoromethane	8.2		10.00		82.3	70	130			
Surr: Toluene-d8	8.3		10.00		83.1	70	130			

Sample ID **1304b18-001a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290550** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.6	70	130			
Toluene	22	1.0	20.00	0	109	68.5	128			
Chlorobenzene	21	1.0	20.00	0	104	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	94.4	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	98.3	61.3	102			
Surr: 1,2-Dichloroethane-d4	8.5		10.00		85.1	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.1	69.5	130			
Surr: Dibromofluoromethane	7.9		10.00		78.9	70	130			
Surr: Toluene-d8	8.1		10.00		81.3	70	130			

Sample ID **1304b18-001a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **R10192**	RunNo: **10192**
Prep Date:	Analysis Date: **4/29/2013**	SeqNo: **290552** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	99.0	70	130	0.670	20	
Toluene	21	1.0	20.00	0	107	68.5	128	2.18	20	
Chlorobenzene	20	1.0	20.00	0	101	70	130	2.54	20	
1,1-Dichloroethene	18	1.0	20.00	0	91.7	70	130	2.92	20	
Trichloroethene (TCE)	20	1.0	20.00	0	97.6	61.3	102	0.658	20	
Surr: 1,2-Dichloroethane-d4	8.4		10.00		84.3	70	130	0	0	
Surr: 4-Bromofluorobenzene	8.5		10.00		84.8	69.5	130	0	0	
Surr: Dibromofluoromethane	8.4		10.00		83.8	70	130	0	0	
Surr: Toluene-d8	8.2		10.00		82.0	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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **MB-7198**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **7198**	RunNo: **10324**
Prep Date: **4/29/2013**	Analysis Date: **5/6/2013**	SeqNo: **294309** 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	19		20.00		97.0	46.4	106			

Sample ID **LCS-7198**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7198**	RunNo: **10324**
Prep Date: **4/29/2013**	Analysis Date: **5/6/2013**	SeqNo: **294310** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	59	2.0	80.00	0	74.0	46	82.9			
1-Methylnaphthalene	65	2.0	80.20	0	81.3	47.2	85.8			
2-Methylnaphthalene	67	2.0	80.00	0	84.1	48.4	84.6			
Acenaphthylene	69	2.5	80.20	0	85.5	58.7	78.7			S
Acenaphthene	70	5.0	80.00	0	87.2	55.3	85.1			S
Fluorene	7.2	0.80	8.020	0	89.4	31.9	82.2			S
Phenanthrene	3.3	0.60	4.020	0	82.6	54.5	81.9			S
Anthracene	3.3	0.60	4.020	0	81.8	51.9	82.7			
Fluoranthene	7.1	0.30	8.020	0	88.8	57.6	83.7			S
Pyrene	6.1	0.30	8.020	0	75.9	53.1	70.4			S
Benz(a)anthracene	0.74	0.070	0.8020	0	92.3	48	85.7			S
Chrysene	3.3	0.20	4.020	0	82.8	44.3	78.2			S
Benzo(b)fluoranthene	0.94	0.10	1.002	0	93.8	60	90.4			S
Benzo(k)fluoranthene	0.46	0.070	0.5000	0	92.0	61.4	89			S
Benzo(a)pyrene	0.44	0.070	0.5020	0	87.6	63.5	88.6			

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID **LCS-7198**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **7198**	RunNo: **10324**
Prep Date: **4/29/2013**	Analysis Date: **5/6/2013**	SeqNo: **294310** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
benz(a,h)anthracene	0.91	0.12	1.002	0	90.8	57	92.6			
Benzo(g,h,i)perylene	0.93	0.12	1.000	0	93.0	55.4	95.9			
Indeno(1,2,3-cd)pyrene	1.7	0.080	2.004	0	86.3	52.7	88.6			
Surr: Benzo(e)pyrene	18		20.00		90.9	46.4	106			

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
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III

Sample ID	1304b02-004a dup	SampType:	dup			TestCode:	SM4500-H+B: pH				
Client ID:	BatchQC	Batch ID:	R10229			RunNo:	10229				
Prep Date:		Analysis Date:	4/30/2013			SeqNo:	291783	Units:	pH units		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
pH	7.85	1.68								H	

Sample ID	1304a89-009b dup	SampType:	dup			TestCode:	SM4500-H+B: pH				
Client ID:	BatchQC	Batch ID:	R10229			RunNo:	10229				
Prep Date:		Analysis Date:	4/30/2013			SeqNo:	291790	Units:	pH units		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
pH	8.12	1.68								H	

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
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

QC SUMMARY REPORT

lall Environmental Analysis Laboratory, Inc.

WO#: **1304B24**

29-May-13

Client: HRL Compliance Solutions

roject: Enterprise WEP III

Sample ID **MB-7257** SampType: **MBLK** TestCode: **SM2540C MOD: Total Dissolved Solids**

Client ID: **PBW** Batch ID: **7257** RunNo: **10309**

Prep Date: **5/2/2013** Analysis Date: **5/3/2013** SeqNo: **293729** Units: **mg/L**

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

Sample ID **LCS-7257** SampType: **LCS** TestCode: **SM2540C MOD: Total Dissolved Solids**

Client ID: **LCSW** Batch ID: **7257** RunNo: **10309**

Prep Date: **5/2/2013** Analysis Date: **5/3/2013** SeqNo: **293730** Units: **mg/L**

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

Sample ID **1305008-002AMS** SampType: **MS** TestCode: **SM2540C MOD: Total Dissolved Solids**

Client ID: **BatchQC** Batch ID: **7257** RunNo: **10309**

Prep Date: **5/2/2013** Analysis Date: **5/3/2013** SeqNo: **293748** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
tal Dissolved Solids	6130	40.0	2000	4012	106	80	120			

Sample ID **1305008-002AMSD** SampType: **MSD** TestCode: **SM2540C MOD: Total Dissolved Solids**

Client ID: **BatchQC** Batch ID: **7257** RunNo: **10309**

Prep Date: **5/2/2013** Analysis Date: **5/3/2013** SeqNo: **293749** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
tal Dissolved Solids	6120	40.0	2000	4012	105	80	120	0.196	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
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

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: 1304B24 RcptNo: 1

Received by/date: CS 04/26/13

Logged By: Anne Thorne 4/26/2013 5:09:00 PM Anne Thorne

Completed By: Anne Thorne 4/29/2013 Anne Thorne

Reviewed By: AT 04/29/13

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: 6 (<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	10.6	Good	Not Present			

Chain-of-Custody Record

Client: HRL Compliance Solutions Inc.

Mailing Address: 2385 F½ 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 WEPT III

Project #: 13-110.2

Project Manager: Kay Lambert

Sampler: TheresaAncell

On Ice: ☑ Yes ☐ No

Sample Temperature: [redacted]

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
4/26/13	0905 (04/24/13)	SW	Wooton Well	Various	see above	001
			Trip Blank			002

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)
											X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/26/13	1709	TheresaAncell	[signature]	4/26/13	17:09
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

Analysis Request

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.

WQCC BOTTLES FOR 1 SAMPLE

TEST	BOTTLE TYPE/PRESERVATIVE
8260	3 x 40 ml HCl Voa's
EDB-504.1	2 x 40 ml voa's Na2S203
8082-PCB	2 x ltr unpreserved amber
8310-PAH	1 x ltr unpreserved amber
Phenols	1 x ltr H2S04 amber
Anions, TDS, pH,	1 x 500 unpreserved plastic 1 x 125 H2S04 plastic
Mercury	1 x 500 HN03 plastic
Dissolved Metals	1 x 125 HN03 plastic + filter & syringe
Total Cyanide	1 x 500 NaOH plastic amber
Radium 226/228	2 x ltr HN03 plastics

Drinking Water Branch

Chem/Rad Sample Results

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Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1309223-002A	**Collection Date :**	08-31-2013

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
1022	COPPER, FREE	200.8	N	MRL	.01 MG/L	0.30 MG/L	01-01-2013	12-31-2015
1030	LEAD	200.8	N	MRL	.001 MG/L	0.0013 MG/L	01-01-2013	12-31-2015

Total Number of Records Fetched = 2

Drinking Water Branch

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Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1307937-001A	**Collection Date :**	07-16-2013

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2941	CHLOROFORM	524.2	Y	MRL	5 UG/L			
2942	BROMOFORM	524.2	Y	MRL	5 UG/L			
2943	BROMODICHLOROMETHANE	524.2	Y	MRL	5 UG/L			
2944	DIBROMOCHLOROMETHANE	524.2	Y	MRL	5 UG/L			
2950	TTHM	524.2	N	MRL	0 UG/L	0.0 UG/L	01-01-2013	12-31-2013

Total Number of Records Fetched = 5

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Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1307963-001A	**Collection Date :**	07-16-2013

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2378	1,2,4-TRICHLOROBENZENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2380	CIS-1,2-DICHLOROETHYLENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2955	XYLENES, TOTAL	524.2	Y	MRL	1 UG/L		01-01-2013	12-31-2013
2964	DICHLOROMETHANE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2968	O-DICHLOROBENZENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2969	P-DICHLOROBENZENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2976	VINYL CHLORIDE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2977	1,1-DICHLOROETHYLENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2979	TRANS-1,2-DICHLOROETHYLENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2980	1,2-DICHLOROETHANE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2981	1,1,1-TRICHLOROETHANE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2982	CARBON TETRACHLORIDE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2983	1,2-DICHLOROPROPANE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2984	TRICHLOROETHYLENE	524.2	N	MRL	.5 UG/L	2.8 UG/L	01-01-2013	12-31-2013
2985	1,1,2-TRICHLOROETHANE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2987	TETRACHLOROETHYLENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2989	CHLOROBENZENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2990	BENZENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2991	TOLUENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2992	ETHYLBENZENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013
2996	STYRENE	524.2	Y	MRL	.5 UG/L		01-01-2013	12-31-2013

Total Number of Records Fetched = 21

Drinking Water Branch

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Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1307971-001A	**Collection Date :**	07-16-2013

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
1038	NITRATE-NITRITE	300.0	N	MRL	1 MG/L	1.3 MG/L	01-01-2013	12-31-2013

Total Number of Records Fetched = 1

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Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1102318-02A	**Collection Date :**	02-08-2011

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
1025	FLUORIDE	300.0	N	MRL	.1 MG/L	0.86 MG/L	01-01-2011	12-31-2013

Total Number of Records Fetched = 1

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Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1102318-06A	**Collection Date :**	02-08-2011

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
1024	CYANIDE	335.4	Y	MRL	.01 MG/L		01-01-2011	12-31-2013

Total Number of Records Fetched = 1

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Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1102318-05A	**Collection Date :**	02-08-2011

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
1005	ARSENIC	200.8	Y	MRL	.001 MG/L		01-01-2011	12-31-2013
1010	BARIUM	200.7	N	MRL	.002 MG/L	0.020 MG/L	01-01-2011	12-31-2013
1015	CADMIUM	200.7	Y	MRL	.002 MG/L		01-01-2011	12-31-2013
1020	CHROMIUM	200.7	Y	MRL	.006 MG/L		01-01-2011	12-31-2013
1035	MERCURY	245.1	Y	MRL	.0002 MG/L		01-01-2011	12-31-2013
1036	NICKEL	200.7	Y	MRL	.01 MG/L		01-01-2011	12-31-2013
1045	SELENIUM	200.8	N	MRL	.001 MG/L	0.0012 MG/L	01-01-2011	12-31-2013
1052	SODIUM	200.7	N	MRL	1 MG/L	25.00 MG/L		
1074	ANTIMONY, TOTAL	200.8	Y	MRL	.001 MG/L		01-01-2011	12-31-2013
1075	BERYLLIUM, TOTAL	200.7	Y	MRL	.002 MG/L		01-01-2011	12-31-2013
1085	THALLIUM, TOTAL	200.8	Y	MRL	.001 MG/L		01-01-2011	12-31-2013
1095	ZINC	200.7	Y	MRL	.01 MG/L			

Total Number of Records Fetched = 12

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Water System Detail

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Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1102318-04A	**Collection Date :**	02-08-2011

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2005	ENDRIN	505	Y	MRL	.02 UG/L		01-01-2011	12-31-2013
2010	BHC-GAMMA	505	Y	MRL	.04 UG/L		01-01-2011	12-31-2013
2015	METHOXYCHLOR	505	Y	MRL	.2 UG/L		01-01-2011	12-31-2013
2020	TOXAPHENE	505	Y	MRL	2 UG/L		01-01-2011	12-31-2013
2031	DALAPON	515.1	Y	MRL	1 UG/L		01-01-2011	12-31-2013
2032	DIQUAT	549.2	Y	MRL	.8 UG/L		01-01-2011	12-31-2013
2033	ENDOTHALL	548.1	Y	MRL	10 UG/L		01-01-2011	12-31-2013
2034	GLYPHOSATE	547	Y	MRL	9 UG/L		01-01-2011	12-31-2013
2035	DI(2-ETHYLHEXYL) ADIPATE	525.2	Y	MRL	.2 UG/L		01-01-2011	12-31-2013
2036	OXAMYL	531.1	Y	MRL	4 UG/L		01-01-2011	12-31-2013
2037	SIMAZINE	525.2	Y	MRL	.15 UG/L		01-01-2011	12-31-2013
2039	DI(2-ETHYLHEXYL) PHTHALATE	525.2	Y	MRL	.6 UG/L		01-01-2011	12-31-2013
2040	PICLORAM	515.1	Y	MRL	.1 UG/L		01-01-2011	12-31-2013
2041	DINOSEB	515.1	Y	MRL	.1 UG/L		01-01-2011	12-31-2013
2042	HEXACHLOROCYCLOPENTADIENE	525.2	Y	MRL	.2 UG/L		01-01-2011	12-31-2013
2046	CARBOFURAN	531.1	Y	MRL	2 UG/L		01-01-2011	12-31-2013
2050	ATRAZINE	525.2	Y	MRL	.1 UG/L		01-01-2011	12-31-2013
2051	LASSO	525.2	Y	MRL	.1 UG/L		01-01-2011	12-31-2013
2065	HEPTACHLOR	505	Y	MRL	.08 UG/L		01-01-2011	12-31-2013
2067	HEPTACHLOR EPOXIDE	505	Y	MRL	.04 UG/L		01-01-2011	12-31-2013
2105	2,4-D	515.1	Y	MRL	.1 UG/L		01-01-2011	12-31-2013
2110	2,4,5-TP	515.1	Y	MRL	.1 UG/L		01-01-2011	12-31-2013
2274	HEXACHLOROBENZENE	525.2	Y	MRL	.2 UG/L		01-01-2011	12-31-2013
2306	BENZO(A)PYRENE	525.2	Y	MRL	.02 UG/L		01-01-2011	12-31-2013
2326	PENTACHLOROPHENOL	515.1	Y	MRL	.04 UG/L		01-01-2011	12-31-2013
2383	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	505	Y	MRL	.5 UG/L		01-01-2011	12-31-2013
2931	1,2-DIBROMO-3-CHLOROPROPANE	504.1	Y	MRL	.1 UG/L		01-01-2011	12-31-2013
2946	ETHYLENE DIBROMIDE	504.1	Y	MRL	.01 UG/L		01-01-2011	12-31-2013
2959	CHLORDANE	505	Y	MRL	.4 UG/L		01-01-2011	12-31-2013

Total Number of Records Fetched = 29

Drinking Water Branch

Chem/Rad Sample Results

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Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	2011005918	**Collection Date :**	02-08-2011

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
4000	GROSS ALPHA, EXCL. RADON & U	null	null	MRL	null null	2.7 PCI/L	01-01-2008	12-31-2013
4002	GROSS ALPHA, INCL. RADON & U	SM 7110 B	N	MRL	1.1 PCI/L	3.4 PCI/L		
4006	COMBINED URANIUM	200.8	N	MRL	1 UG/L	1.0 UG/L	01-01-2008	12-31-2013
4010	COMBINED RADIUM (-226 & -228)	null	null	MRL	null null	0.35 PCI/L	01-01-2008	12-31-2013
4020	RADIUM-226	903.1	N	MRL	.01 PCI/L	0.31 PCI/L		
4030	RADIUM-228	904.0	N	MRL	.19 PCI/L	0.04 PCI/L		
4100	GROSS BETA PARTICLE ACTIVITY	SM 7110 B	N	MRL	1.7 PCI/L	3.7 PCI/L		

Total Number of Records Fetched = 7

Drinking Water Branch

Chem/Rad Sample Results

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Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	AB53761	**Collection Date :**	10-30-2003

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2030	P-ISOPROPYLTOLUENE	null	Y	MRL	.5 UG/L	null		
2210	CHLOROMETHANE	null	Y	MRL	.5 UG/L	null		
2212	DICHLORODIFLUOROMETHANE	null	Y	MRL	.5 UG/L	null		
2214	BROMOMETHANE	null	Y	MRL	.5 UG/L	null		
2216	CHLOROETHANE	null	Y	MRL	.5 UG/L	null		
2218	TRICHLOROFLUOROMETHANE	null	Y	MRL	.5 UG/L	null		
2224	TRANS-1,3-DICHLOROPROPENE	null	Y	MRL	.5 UG/L	null		
2228	CIS-1,3-DICHLOROPROPENE	null	Y	MRL	.5 UG/L	0 UG/L		
2232	1,2-DIBROMOETHYLENE	null	Y	MRL	.5 UG/L	null		
2246	HEXACHLOROBUTADIENE	null	Y	MRL	.5 UG/L	null		
2248	NAPHTHALENE	null	Y	MRL	.5 UG/L	null		
2378	1,2,4-TRICHLOROBENZENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2380	CIS-1,2-DICHLOROETHYLENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2408	DIBROMOMETHANE	null	Y	MRL	.5 UG/L	null		
2410	1,1-DICHLOROPROPENE	null	Y	MRL	.5 UG/L	null		
2412	1,3-DICHLOROPROPANE	null	Y	MRL	.5 UG/L	null		
2413	1,3-DICHLOROPROPENE	null	Y	MRL	.5 UG/L	null		
2414	1,2,3-TRICHLOROPROPANE	null	Y	MRL	.5 UG/L	null		
2416	2,2-DICHLOROPROPANE	null	Y	MRL	.5 UG/L	null		
2418	1,2,4-TRIMETHYLBENZENE	null	Y	MRL	.5 UG/L	null		
2420	1,2,3-TRICHLOROBENZENE	null	Y	MRL	.5 UG/L	null		
2422	N-BUTYLBENZENE	null	Y	MRL	.5 UG/L	null		
2424	1,3,5-TRIMETHYLBENZENE	null	Y	MRL	.5 UG/L	null		
2426	TERT-BUTYLBENZENE	null	Y	MRL	.5 UG/L	null		
2428	SEC-BUTYLBENZENE	null	Y	MRL	.5 UG/L	null		
2430	BROMOCHLOROMETHANE	null	Y	MRL	.5 UG/L	null		
2931	1,2-DIBROMO-3-CHLOROPROPANE	null	Y	MRL	.5 UG/L	null		
2941	CHLOROFORM	null	N		.5 UG/L	.644 UG/L		
2942	BROMOFORM	null	N		.5 UG/L	4.41 UG/L		
2943	BROMODICHLOROMETHANE	null	N		.5 UG/L	.813 UG/L		
2944	DIBROMOCHLOROMETHANE	null	N		.5 UG/L	2.101 UG/L		
2946	ETHYLENE DIBROMIDE	null	Y	MRL	.5 UG/L	0 UG/L		
2955	XYLENES, TOTAL	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2964	DICHLOROMETHANE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2965	O-CHLOROTOLUENE	null	Y	MRL	.5 UG/L	null		
2966	P-CHLOROTOLUENE	null	Y	MRL	.5 UG/L	null		

2967	M-DICHLOROBENZENE	null	Y	MRL	.5 UG/L	null		
2968	O-DICHLOROBENZENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2969	P-DICHLOROBENZENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2976	VINYL CHLORIDE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2977	1,1-DICHLOROETHYLENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2978	1,1-DICHLOROETHANE	null	Y	MRL	.5 UG/L	null		
2979	TRANS-1,2-DICHLOROETHYLENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2980	1,2-DICHLOROETHANE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2981	1,1,1-TRICHLOROETHANE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2982	CARBON TETRACHLORIDE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2983	1,2-DICHLOROPROPANE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2984	TRICHLOROETHYLENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2985	1,1,2-TRICHLOROETHANE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2986	1,1,1,2-TETRACHLOROETHANE	null	Y	MRL	.5 UG/L	null		
2987	TETRACHLOROETHYLENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2988	1,1,2,2-TETRACHLOROETHANE	null	Y	MRL	.5 UG/L	null		
2989	CHLOROBENZENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2990	BENZENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2991	TOLUENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2992	ETHYLBENZENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2993	BROMOBENZENE	null	Y	MRL	.5 UG/L	null		
2994	ISOPROPYLBENZENE	null	Y	MRL	.5 UG/L	null		
2996	STYRENE	null	Y	MRL	.5 UG/L	null	01-01-2002	12-31-2004
2998	N-PROPYLBENZENE	null	Y	MRL	.5 UG/L	null		

Total Number of Records Fetched = 60

Drinking Water Branch

Chem/Rad Sample Results

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Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3520203	**Federal Type :**	C
Water System Name :	ROSWELL MUNICIPAL WATER SYSTEM	**State Type :**	C
Principal County Served :	CHAVES	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	WC944231	**Collection Date :**	07-26-1994

This list displays sample/results of all non-microbial analytes (TSAANLYT.TYPE_CODE <> MOR) associated to the selected sample. Results for Microbial Analytes are not included.

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
1055	SULFATE	300.0	N		0 null	482 MG/L		

Total Number of Records Fetched = 1