HIP - __125__

GENERAL CORRESPONDENCE

YEAR(S): 2013 to Present

Jones, Brad A., EMNRD

From: Eileen Shannon <EShannon@kleinfelder.com>
Sent: Monday, November 18, 2013 6:32 AM
To: Jones, Brad A., EMNRD
Cc: jagwhite@eprod. com (jagwhite@eprod.com); Runell Seale (RSeale@eprod.com); Heap, James; Luke Davis (luke1d@msn.com); Theresa Ancell; Barbara Everett
Subject: WEP III - Seg 5 Additonal Source Water for Hydrostatic Testing
Attachments: Marley Well_Radium Results 11 5 2013.pdf; Rpt_1310902_Final_v1.pdf

Apologies if I sent this twice. I thought I had sent it, but found it in my draft email folder...

Hi Brad,

On behalf of Enterprise Products Operating Company LLC (Enterprise), Kleinfelder West, Inc. is submitting this notice of a change in source water for hydrostatic testing of Segment 5 of Enterprise's Western Expansion Pipeline III.

Because of difficulties with their water system, the original proposed source for water (Vaughn Duran Water System) may not have sufficient water, or any water, available to Enterprise for use in the hydrostatic test. In addition to the Vaughn Duran Water System and the Roswell Municipal Water System, Enterprise would like to add the following as potential source of water for the Segment 5 hydrostatic testing:

- Marley Well (33.623692°, -104.545024°) POD # RA 02478A

Radium concentrations are as follows:

- Marley Well
  - Radium-226 0.528 +/- 0.536 pCi/L
  - Radium-228 0.372 +/- 0.319 pCi/L

Available laboratory analytical data is attached.

Please call if you have questions or need additional information

Eileen

Eileen Shannon P.G.
Project Manager
9019 Washington NE, Building A
Albuquerque, NM 87113
o| 505.344.7373 Ext. 254
c| 505.307.0722
f| 505.344.1711

KLEINFELDER
Bright People. Right Solutions.

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

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

RE: Enterprise WEP III Water Sampling OrderNo.: 1310A05

Dear Theresa Ancell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/21/2013 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

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

ANALYTICAL RESULTS

Project: 1310A05
Pace Project No.: 30105896

Sample: 1310A05-001 Marley Well **Lab ID: 30105896001** Collected: 10/21/13 10:30 Received: 10/24/13 09:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC)	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	**0.528 ± 0.536 (0.812)**	pCi/L	11/04/13 13:16	13982-63-3	
Radium-228	EPA 904.0	**0.372 ± 0.319 (0.640)**	pCi/L	11/04/13 10:52	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1310A05
Pace Project No.: 30105896

QC Batch: RADC/17595
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30105896001

METHOD BLANK: 650722
Matrix: Water
Associated Lab Samples: 30105896001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-226	-0.259 ± 0.402 (0.971)	pCi/L	11/04/13 12:16	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1310A05
Pace Project No.: 30105896

QC Batch: RADC/17608
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30105896001

METHOD BLANK: 651402
Matrix: Water
Associated Lab Samples: 30105896001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-228	0.447 ± 0.280 (0.523)	pCi/L	11/04/13 10:54	

REPORT OF LABORATORY ANALYSIS

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: 1310A05 RcptNo: 1

Received by/date: MG 10/21/13

Logged By: Lindsay Mangin 10/21/2013 2:45:00 PM

Completed By: Lindsay Mangin 10/22/2013 7:35:17 AM

Reviewed By: mg 10/22/13

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	Approved by client. Yes ☐	No ☑	NA ☐
6. Sample(s) in proper container(s)?	Approved by client. 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 ☐	SEE REMARKS 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 (<2 or >12 unless noted)

Adjusted? WS

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:

Poured off into 2 1 liter HDPE containers and preserved with 2mL HNO3 by 10/21

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	20.5	Good	Not Present			

Chain-of-Custody Record

Client: HRL Compliance Solutions Inc

Mailing Address: 2385 F½ Road
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 X Rush _____

Project Name: Enterprise WEP III Water Sampling

Project #: 13-110.2 Segment 5 Marley Well

Project Manager: Theresa Ancell

Sampler: Mark Stkeliones

On Ice: ☐ Yes ☑ No

Sample Temperature: 20.5

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. 1310A05	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)	Radium 226 & 228				Air Bubbles (Y or N)
10/21/13	1030	Aqueous	Marley Well	2-1L Plast	HNO3	-001												X				

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/21/13	1445			10/21/13	1445
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Radium 226 & 228 only

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

November 15, 2013

Theresa Ancell
HRL Compliance Solutions
2385 F 1/2 Road
Grand Junction, CO 81505
TEL: (970) 462-5440
FAX

RE: Enterprise WEP III Water Sampling OrderNo.: 1310902

Dear Theresa Ancell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/17/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions
Client Sample ID: Marley Well Seg. 5
Project: Enterprise WEP III Water Sampling
Collection Date: 10/17/2013 1:00:00 PM
Lab ID: 1310902-001 **Matrix:** AQUEOUS **Received Date:** 10/17/2013 5:00:00 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	10/22/2013 4:21:52 PM	9954
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	10/29/2013 1:16:56 PM	9993
Aroclor 1221	ND	1.0		µg/L	1	10/29/2013 1:16:56 PM	9993
Aroclor 1232	ND	1.0		µg/L	1	10/29/2013 1:16:56 PM	9993
Aroclor 1242	ND	1.0		µg/L	1	10/29/2013 1:16:56 PM	9993
Aroclor 1248	ND	1.0		µg/L	1	10/29/2013 1:16:56 PM	9993
Aroclor 1254	ND	1.0		µg/L	1	10/29/2013 1:16:56 PM	9993
Aroclor 1260	ND	1.0		µg/L	1	10/29/2013 1:16:56 PM	9993
Surr: Decachlorobiphenyl	87.2	17-123		%REC	1	10/29/2013 1:16:56 PM	9993
Surr: Tetrachloro-m-xylene	71.6	22.6-113		%REC	1	10/29/2013 1:16:56 PM	9993
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	10/30/2013 7:34:53 AM	9994
1-Methylnaphthalene	ND	2.0		µg/L	1	10/30/2013 7:34:53 AM	9994
2-Methylnaphthalene	ND	2.0		µg/L	1	10/30/2013 7:34:53 AM	9994
Acenaphthylene	ND	2.5		µg/L	1	10/30/2013 7:34:53 AM	9994
Acenaphthene	ND	5.0		µg/L	1	10/30/2013 7:34:53 AM	9994
Fluorene	ND	0.80		µg/L	1	10/30/2013 7:34:53 AM	9994
Phenanthrene	ND	0.60		µg/L	1	10/30/2013 7:34:53 AM	9994
Anthracene	ND	0.60		µg/L	1	10/30/2013 7:34:53 AM	9994
Fluoranthene	ND	0.30		µg/L	1	10/30/2013 7:34:53 AM	9994
Pyrene	ND	0.30		µg/L	1	10/30/2013 7:34:53 AM	9994
Benz(a)anthracene	ND	0.070		µg/L	1	10/30/2013 7:34:53 AM	9994
Chrysene	ND	0.20		µg/L	1	10/30/2013 7:34:53 AM	9994
Benzo(b)fluoranthene	ND	0.10		µg/L	1	10/30/2013 7:34:53 AM	9994
Benzo(k)fluoranthene	ND	0.070		µg/L	1	10/30/2013 7:34:53 AM	9994
Benzo(a)pyrene	ND	0.070		µg/L	1	10/30/2013 7:34:53 AM	9994
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	10/30/2013 7:34:53 AM	9994
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	10/30/2013 7:34:53 AM	9994
Indeno(1,2,3-cd)pyrene	ND	0.25		µg/L	1	10/30/2013 7:34:53 AM	9994
Surr: Benzo(e)pyrene	72.5	43.2-113		%REC	1	10/30/2013 7:34:53 AM	9994
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	0.53	0.10		mg/L	1	10/18/2013 10:17:57 AM	R14218
Chloride	1800	100		mg/L	200	10/22/2013 6:32:35 PM	R14286
Nitrogen, Nitrate (As N)	3.2	0.10		mg/L	1	10/18/2013 10:17:57 AM	R14218
Sulfate	1500	50		mg/L	100	10/21/2013 11:44:51 PM	R14248
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.
- 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: Marley Well Seg. 5
Project: Enterprise WEP III Water Sampling
Collection Date: 10/17/2013 1:00:00 PM
Lab ID: 1310902-001 **Matrix:** AQUEOUS **Received Date:** 10/17/2013 5:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Aluminum	ND	0.020		mg/L	1	11/5/2013 5:13:18 PM	R14586
Barium	0.015	0.0020		mg/L	1	11/5/2013 5:13:18 PM	R14586
Boron	0.27	0.040		mg/L	1	11/5/2013 5:13:18 PM	R14586
Cadmium	ND	0.0020		mg/L	1	11/5/2013 5:13:18 PM	R14586
Chromium	ND	0.0060		mg/L	1	11/5/2013 5:13:18 PM	R14586
Cobalt	ND	0.0060		mg/L	1	11/5/2013 5:13:18 PM	R14586
Copper	ND	0.0060		mg/L	1	11/5/2013 5:13:18 PM	R14586
Iron	0.048	0.020		mg/L	1	11/5/2013 5:13:18 PM	R14586
Manganese	0.0029	0.0020		mg/L	1	11/5/2013 5:13:18 PM	R14586
Molybdenum	ND	0.0080		mg/L	1	11/5/2013 5:13:18 PM	R14586
Nickel	ND	0.010		mg/L	1	11/5/2013 5:13:18 PM	R14586
Silver	ND	0.025		mg/L	5	11/11/2013 8:17:45 AM	R14699
Zinc	ND	0.010		mg/L	1	11/5/2013 5:13:18 PM	R14586
EPA 200.8: DISSOLVED METALS						Analyst: **DBD**	
Arsenic	ND	0.0010		mg/L	1	11/4/2013 3:05:04 PM	R14570
Lead	ND	0.0010		mg/L	1	11/4/2013 3:05:04 PM	R14570
Selenium	0.0088	0.0050		mg/L	5	11/6/2013 4:53:26 PM	R14642
Uranium	0.0061	0.0010		mg/L	1	11/4/2013 3:05:04 PM	R14570
EPA METHOD 245.1: MERCURY						Analyst: **JML**	
Mercury	ND	0.00020		mg/L	1	10/22/2013 5:55:17 PM	9934
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Toluene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Ethylbenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Naphthalene	ND	2.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1-Methylnaphthalene	ND	4.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
2-Methylnaphthalene	ND	4.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Acetone	ND	10		µg/L	1	10/18/2013 1:10:57 PM	R14211
Bromobenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Bromodichloromethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Bromoform	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Bromomethane	ND	3.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
2-Butanone	ND	10		µg/L	1	10/18/2013 1:10:57 PM	R14211

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: Marley Well Seg. 5
Project: Enterprise WEP III Water Sampling
Collection Date: 10/17/2013 1:00:00 PM
Lab ID: 1310902-001 **Matrix:** AQUEOUS **Received Date:** 10/17/2013 5:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Carbon disulfide	ND	10		µg/L	1	10/18/2013 1:10:57 PM	R14211
Carbon Tetrachloride	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Chlorobenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Chloroethane	ND	2.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Chloroform	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Chloromethane	ND	3.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
2-Chlorotoluene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
4-Chlorotoluene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
cis-1,2-DCE	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Dibromochloromethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Dibromomethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,1-Dichloroethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,1-Dichloroethene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2-Dichloropropane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,3-Dichloropropane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
2,2-Dichloropropane	ND	2.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,1-Dichloropropene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Hexachlorobutadiene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
2-Hexanone	ND	10		µg/L	1	10/18/2013 1:10:57 PM	R14211
Isopropylbenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
4-Isopropyltoluene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
4-Methyl-2-pentanone	ND	10		µg/L	1	10/18/2013 1:10:57 PM	R14211
Methylene Chloride	ND	3.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
n-Butylbenzene	ND	3.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
n-Propylbenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
sec-Butylbenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Styrene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
tert-Butylbenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
trans-1,2-DCE	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211

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: Marley Well Seg. 5
Project: Enterprise WEP III Water Sampling
Collection Date: 10/17/2013 1:00:00 PM
Lab ID: 1310902-001 **Matrix:** AQUEOUS **Received Date:** 10/17/2013 5:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Trichlorofluoromethane	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Vinyl chloride	ND	1.0		µg/L	1	10/18/2013 1:10:57 PM	R14211
Xylenes, Total	ND	1.5		µg/L	1	10/18/2013 1:10:57 PM	R14211
Surr: 1,2-Dichloroethane-d4	94.8	70-130		%REC	1	10/18/2013 1:10:57 PM	R14211
Surr: 4-Bromofluorobenzene	88.2	70-130		%REC	1	10/18/2013 1:10:57 PM	R14211
Surr: Dibromofluoromethane	95.1	70-130		%REC	1	10/18/2013 1:10:57 PM	R14211
Surr: Toluene-d8	94.8	70-130		%REC	1	10/18/2013 1:10:57 PM	R14211
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	ND	2.5		µg/L	1	10/21/2013	9927
SM4500-H+B: PH						Analyst: **JML**	
pH	7.73	1.68	H	pH units	1	10/22/2013 8:43:04 PM	R14281
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	5300	20.0	*	mg/L	1	10/21/2013 5:15:00 PM	9903

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 #:**	131022029
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1310902
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	131022029-001	**Sampling Date**	10/17/2013	**Date/Time Received**	10/22/2013 11:50 AM
Client Sample ID	1310902-001I / MARLEY WELL SEG. 5			**Sampling Time**	1:00 PM
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	10/30/2013	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.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1310902**

15-Nov-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: **R14586**	RunNo: **14586**
Prep Date:	Analysis Date: **11/5/2013**	SeqNo: **419170** 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								
Zinc	ND	0.010								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R14586**	RunNo: **14586**
Prep Date:	Analysis Date: **11/5/2013**	SeqNo: **419171** 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	107	85	115			
Barium	0.50	0.0020	0.5000	0	99.1	85	115			
Boron	0.49	0.040	0.5000	0	98.1	85	115			
Cadmium	0.51	0.0020	0.5000	0	101	85	115			
Chromium	0.51	0.0060	0.5000	0	103	85	115			
Cobalt	0.49	0.0060	0.5000	0	98.6	85	115			
Copper	0.49	0.0060	0.5000	0	97.6	85	115			
Iron	0.49	0.020	0.5000	0	98.3	85	115			
Manganese	0.50	0.0020	0.5000	0	99.4	85	115			
Molybdenum	0.49	0.0080	0.5000	0	98.5	85	115			
Nickel	0.47	0.010	0.5000	0	94.5	85	115			
Zinc	0.52	0.010	0.5000	0	105	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R14699**	RunNo: **14699**
Prep Date:	Analysis Date: **11/11/2013**	SeqNo: **423021** Units: **mg/L**

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

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#: **1310902**

15-Nov-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: **R14699**	RunNo: **14699**
Prep Date:	Analysis Date: **11/11/2013**	SeqNo: **423023** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R14699**	RunNo: **14699**
Prep Date:	Analysis Date: **11/11/2013**	SeqNo: **423025** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	0.11	0.0050	0.1000	0	105	85	115			

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R14699**	RunNo: **14699**
Prep Date:	Analysis Date: **11/11/2013**	SeqNo: **423026** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	0.11	0.0050	0.1000	0	111	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
- 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#: **1310902**

15-Nov-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: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418605** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	101	85	115			
Lead	0.024	0.0010	0.02500	0	97.5	85	115			
Uranium	0.024	0.0010	0.02500	0	97.9	85	115			

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418606** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	99.2	85	115			
Lead	0.024	0.0010	0.02500	0	97.9	85	115			
Uranium	0.025	0.0010	0.02500	0	101	85	115			

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418607** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.025	0.0010	0.02500	0	99.3	85	115			

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418608** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.025	0.0010	0.02500	0	99.9	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418609** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Lead	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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418610** Units: **mg/L**

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

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418611** Units: **mg/L**

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

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R14570**	RunNo: **14570**
Prep Date:	Analysis Date: **11/4/2013**	SeqNo: **418612** Units: **mg/L**

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

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R14642**	RunNo: **14642**
Prep Date:	Analysis Date: **11/6/2013**	SeqNo: **421212** Units: **mg/L**

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

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R14642**	RunNo: **14642**
Prep Date:	Analysis Date: **11/6/2013**	SeqNo: **421213** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R14642**	RunNo: **14642**
Prep Date:	Analysis Date: **11/6/2013**	SeqNo: **421215** 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	101	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
- 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#: **1310902**

15-Nov-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: **R14642**	RunNo: **14642**
Prep Date:	Analysis Date: **11/6/2013**	SeqNo: **421216** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.024	0.0010	0.02500	0	97.8	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
- 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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-9934**	SampType: **MBLK**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **PBW**	Batch ID: **9934**	RunNo: **14288**
Prep Date: **10/21/2013**	Analysis Date: **10/22/2013**	SeqNo: **410007** Units: **mg/L**

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

Sample ID **LCS-9934**	SampType: **LCS**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **LCSW**	Batch ID: **9934**	RunNo: **14288**
Prep Date: **10/21/2013**	Analysis Date: **10/22/2013**	SeqNo: **410008** 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	95.4	80	120			

Sample ID **1310902-001FMS**	SampType: **MS**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **Marley Well Seg. 5**	Batch ID: **9934**	RunNo: **14288**
Prep Date: **10/21/2013**	Analysis Date: **10/22/2013**	SeqNo: **410028** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0047	0.00020	0.005000	0	93.7	75	125			

Sample ID **1310902-001FMSD**	SampType: **MSD**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **Marley Well Seg. 5**	Batch ID: **9934**	RunNo: **14288**
Prep Date: **10/21/2013**	Analysis Date: **10/22/2013**	SeqNo: **410029** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0047	0.00020	0.005000	0	93.1	75	125	0.684	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1310902**

15-Nov-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: **R14218** RunNo: **14218**
Prep Date: Analysis Date: **10/18/2013** SeqNo: **407380** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.5	0.10	1.600	0	91.6	90	110			
Nitrogen, Nitrate (As N)	4.8	0.10	4.800	0	99.5	90	110			

Sample ID **MB** SampType: **MBLK** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW** Batch ID: **R14218** RunNo: **14218**
Prep Date: Analysis Date: **10/18/2013** SeqNo: **407382** Units: **mg/L**

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

Sample ID **LCS** SampType: **LCS** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW** Batch ID: **R14218** RunNo: **14218**
Prep Date: Analysis Date: **10/18/2013** SeqNo: **407383** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.45	0.10	0.5000	0	90.3	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	94.5	90	110			

Sample ID **1310902-001EMS** SampType: **MS** TestCode: **EPA Method 300.0: Anions**
Client ID: **Marley Well Seg. 5** Batch ID: **R14218** RunNo: **14218**
Prep Date: Analysis Date: **10/18/2013** SeqNo: **407385** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.76	0.10	0.5000	0.5287	47.0	76.9	114			S
Nitrogen, Nitrate (As N)	5.6	0.10	2.500	3.178	96.9	93	113			

Sample ID **1310902-001EMSD** SampType: **MSD** TestCode: **EPA Method 300.0: Anions**
Client ID: **Marley Well Seg. 5** Batch ID: **R14218** RunNo: **14218**
Prep Date: Analysis Date: **10/18/2013** SeqNo: **407386** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.78	0.10	0.5000	0.5287	51.2	76.9	114	2.74	20	S
Nitrogen, Nitrate (As N)	5.5	0.10	2.500	3.178	94.6	93	113	1.05	20	

Sample ID **A6** SampType: **CCV_6** TestCode: **EPA Method 300.0: Anions**
Client ID: **BatchQC** Batch ID: **R14218** RunNo: **14218**
Prep Date: Analysis Date: **10/18/2013** SeqNo: **407392** 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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **407392**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.4	0.10	2.400	0	101	90	110			
Nitrogen, Nitrate (As N)	7.4	0.10	7.200	0	103	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **407404**	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	98.7	90	110			
Nitrogen, Nitrate (As N)	2.8	0.10	3.000	0	93.4	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **407416**	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			
Nitrogen, Nitrate (As N)	4.6	0.10	4.800	0	96.5	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **407428**	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	106	90	110			
Nitrogen, Nitrate (As N)	7.4	0.10	7.200	0	103	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **407440**	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	100	90	110			
Nitrogen, Nitrate (As N)	2.7	0.10	3.000	0	90.6	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/19/2013**	SeqNo: **407452**	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#: **1310902**

15-Nov-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: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/19/2013**	SeqNo: **407452**	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	102	90	110			
Nitrogen, Nitrate (As N)	4.7	0.10	4.800	0	97.0	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/19/2013**	SeqNo: **407454**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/19/2013**	SeqNo: **407455**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.53	0.10	0.5000	0	105	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	94.1	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/19/2013**	SeqNo: **407464**	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	106	90	110			
Nitrogen, Nitrate (As N)	7.4	0.10	7.200	0	103	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14218**	RunNo: **14218**							
Prep Date:	Analysis Date: **10/19/2013**	SeqNo: **407476**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.7	0.10	1.600	0	104	90	110			
Nitrogen, Nitrate (As N)	4.7	0.10	4.800	0	98.9	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408497**	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#: **1310902**

15-Nov-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: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408497**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	20	0.50	20.00	0	101	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408499**	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: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408500**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	10	0.50	10.00	0	102	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408509**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	31	0.50	30.00	0	103	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408521**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	12	0.50	12.50	0	96.4	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408533**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	20	0.50	20.00	0	98.5	90	110			

Qualifiers:

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

QC SUMMARY REPORT

WO#: **1310902**

Hall Environmental Analysis Laboratory, Inc.

15-Nov-13

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

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408545**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	31	0.50	30.00	0	103	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408547**	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: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408548**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	9.9	0.50	10.00	0	98.9	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/21/2013**	SeqNo: **408557**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	12	0.50	12.50	0	96.4	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **408568**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	31	0.50	30.00	0	103	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14248**	RunNo: **14248**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **408575**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sulfate	12	0.50	12.50	0	96.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1310902**

15-Nov-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: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409825**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	7.9	0.50	8.000	0	98.5	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409827**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS-b**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409829**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.6	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409837**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	13	0.50	12.00	0	104	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409849**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.4	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409861**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	7.9	0.50	8.000	0	98.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409873**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	12	0.50	12.00	0	103	90	110			

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/22/2013**	SeqNo: **409885**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.8	90	110			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/23/2013**	SeqNo: **409895**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/23/2013**	SeqNo: **409896**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.5	90	110			

Sample ID **A5**	SampType: **CCV_5**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/23/2013**	SeqNo: **409897**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	7.8	0.50	8.000	0	97.7	90	110			

Sample ID **A6**	SampType: **CCV_6**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**							
Prep Date:	Analysis Date: **10/23/2013**	SeqNo: **409909**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	12	0.50	12.00	0	103	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **A4**	SampType: **CCV_4**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **BatchQC**	Batch ID: **R14286**	RunNo: **14286**								
Prep Date:	Analysis Date: **10/23/2013**	SeqNo: **409921**	Units: **mg/L**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-9954**	SampType: **MBLK**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW**	Batch ID: **9954**	RunNo: **14254**
Prep Date: **10/22/2013**	Analysis Date: **10/22/2013**	SeqNo: **409071** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	0.10								
1,2-Dibromoethane	ND	0.010								

Sample ID **LCS-9954**	SampType: **LCS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW**	Batch ID: **9954**	RunNo: **14254**
Prep Date: **10/22/2013**	Analysis Date: **10/22/2013**	SeqNo: **409072** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.11	0.10	0.1000	0	110	70	130			
1,2-Dibromoethane	0.11	0.010	0.1000	0	107	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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-9993**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **9993**	RunNo: **14435**
Prep Date: **10/24/2013**	Analysis Date: **10/29/2013**	SeqNo: **414697** 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	1.9		2.500		76.8	17	123			
Surr: Tetrachloro-m-xylene	1.7		2.500		66.8	22.6	113			

Sample ID **LCS-9993**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **9993**	RunNo: **14435**
Prep Date: **10/24/2013**	Analysis Date: **10/29/2013**	SeqNo: **414698** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.9	1.0	5.000	0	77.4	18.6	134			
Aroclor 1260	4.1	1.0	5.000	0	82.2	35.7	137			
Surr: Decachlorobiphenyl	1.9		2.500		77.6	17	123			
Surr: Tetrachloro-m-xylene	1.7		2.500		69.2	22.6	113			

Sample ID **1310902-001DMS**	SampType: **MS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **Marley Well Seg. 5**	Batch ID: **9993**	RunNo: **14435**
Prep Date: **10/24/2013**	Analysis Date: **10/29/2013**	SeqNo: **414724** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.5	1.0	5.000	0	70.2	70	130			
Aroclor 1260	4.3	1.0	5.000	0	85.8	61.1	129			
Surr: Decachlorobiphenyl	2.3		2.500		90.4	17	123			
Surr: Tetrachloro-m-xylene	1.7		2.500		67.2	22.6	113			

Sample ID **1310902-001DMSD**	SampType: **MSD**	TestCode: **EPA Method 8082: PCB's**
Client ID: **Marley Well Seg. 5**	Batch ID: **9993**	RunNo: **14435**
Prep Date: **10/24/2013**	Analysis Date: **10/29/2013**	SeqNo: **414725** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.7	1.0	5.000	0	73.7	70	130	4.95	20	
Aroclor 1260	4.5	1.0	5.000	0	90.8	61.1	129	5.57	12.9	
Surr: Decachlorobiphenyl	2.4		2.500		96.4	17	123	0	0	
Surr: Tetrachloro-m-xylene	1.8		2.500		71.2	22.6	113	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- 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#: **1310902**

15-Nov-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: **R14211**	RunNo: **14211**
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **409253** 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:

- * 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#: **1310902**

15-Nov-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: **R14211**	RunNo: **14211**
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **409253** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.8	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.8	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.1	70	130			
Surr: Toluene-d8	9.2		10.00		92.4	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R14211**	RunNo: **14211**
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **409255** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	110	70	130			
Toluene	23	1.0	20.00	0	116	82.2	124			
Chlorobenzene	21	1.0	20.00	0	106	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#: **1310902**

15-Nov-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: **R14211**	RunNo: **14211**
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **409255** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	25	1.0	20.00	0	127	83.5	155			
Trichloroethene (TCE)	22	1.0	20.00	0	112	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.5	70	130			
Surr: 4-Bromofluorobenzene	8.8		10.00		88.3	70	130			
Surr: Dibromofluoromethane	8.7		10.00		86.6	70	130			
Surr: Toluene-d8	9.5		10.00		95.1	70	130			

Sample ID **1310902-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **Marley Well Seg. 5**	Batch ID: **R14211**	RunNo: **14211**
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **409258** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	107	67.9	137			
Toluene	22	1.0	20.00	0	109	77	127			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	24	1.0	20.00	0	121	66.5	131			
Trichloroethene (TCE)	20	1.0	20.00	0	102	66.3	134			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.6	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.8	70	130			
Surr: Dibromofluoromethane	8.3		10.00		83.0	70	130			
Surr: Toluene-d8	9.4		10.00		93.9	70	130			

Sample ID **1310902-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **Marley Well Seg. 5**	Batch ID: **R14211**	RunNo: **14211**
Prep Date:	Analysis Date: **10/18/2013**	SeqNo: **409259** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	67.9	137	0.575	20	
Toluene	22	1.0	20.00	0	110	77	127	0.601	20	
Chlorobenzene	20	1.0	20.00	0	102	70	130	1.28	20	
1,1-Dichloroethene	23	1.0	20.00	0	116	66.5	131	4.54	20	
Trichloroethene (TCE)	19	1.0	20.00	0	97.0	66.3	134	5.14	20	
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.6	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.1		10.00		90.9	70	130	0	0	
Surr: Dibromofluoromethane	8.8		10.00		88.2	70	130	0	0	
Surr: Toluene-d8	9.6		10.00		95.5	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- 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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-9994**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **9994**	RunNo: **14437**
Prep Date: **10/24/2013**	Analysis Date: **10/30/2013**	SeqNo: **414816** 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		105	43.2	113			

Sample ID **LCS-9994**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **9994**	RunNo: **14437**
Prep Date: **10/24/2013**	Analysis Date: **10/30/2013**	SeqNo: **414818** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	48	2.0	80.00	0	60.6	50.3	86.5			
1-Methylnaphthalene	49	2.0	80.20	0	61.2	50.3	91.6			
2-Methylnaphthalene	51	2.0	80.00	0	63.9	48.2	94.9			
Acenaphthylene	51	2.5	80.20	0	63.6	53.2	93.7			
Acenaphthene	50	5.0	80.00	0	62.5	51.6	95.9			
Fluorene	5.1	0.80	8.020	0	63.1	31.9	97.4			
Phenanthrene	2.7	0.60	4.020	0	66.4	52.7	90.3			
Anthracene	2.6	0.60	4.020	0	65.4	49.9	88.1			
Fluoranthene	5.4	0.30	8.020	0	66.8	51.4	94.4			
Pyrene	4.5	0.30	8.020	0	55.9	47.7	89.5			
Benz(a)anthracene	0.50	0.070	0.8020	0	62.3	34.2	108			
Chrysene	2.5	0.20	4.020	0	61.2	32.9	96.8			
Benzo(b)fluoranthene	0.66	0.10	1.002	0	65.9	55.9	103			
Benzo(k)fluoranthene	0.33	0.070	0.5000	0	66.0	57.9	108			

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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **LCS-9994**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **9994**	RunNo: **14437**
Prep Date: **10/24/2013**	Analysis Date: **10/30/2013**	SeqNo: **414818** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.32	0.070	0.5020	0	63.7	55.6	107			
Dibenz(a,h)anthracene	0.66	0.12	1.002	0	65.9	57.9	104			
Benzo(g,h,i)perylene	0.59	0.12	1.000	0	59.0	57.2	105			
Indeno(1,2,3-cd)pyrene	1.5	0.25	2.004	0	72.9	53.5	102			
Surr: Benzo(e)pyrene	18		20.00		91.4	43.2	113			

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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-9927**	SampType: **MBLK**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **PBW**	Batch ID: **9927**	RunNo: **14212**
Prep Date: **10/21/2013**	Analysis Date: **10/21/2013**	SeqNo: **407258** 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-9927**	SampType: **LCS**	TestCode: **Total Phenolics by SW-846 9067**
Client ID: **LCSW**	Batch ID: **9927**	RunNo: **14212**
Prep Date: **10/21/2013**	Analysis Date: **10/21/2013**	SeqNo: **407259** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	19	2.5	20.00	0	92.8	74.1	125			

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#: **1310902**

15-Nov-13

Client: HRL Compliance Solutions

Project: Enterprise WEP III Water Sampling

Sample ID **MB-9903**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **9903**	RunNo: **14238**
Prep Date: **10/18/2013**	Analysis Date: **10/21/2013**	SeqNo: **407891** 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-9903**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **9903**	RunNo: **14238**
Prep Date: **10/18/2013**	Analysis Date: **10/21/2013**	SeqNo: **407892** 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: 1310902 RcptNo: 1

Received by/date: MG 10/17/13

Logged By: Lindsay Mangin 10/17/2013 5:00:00 PM

Completed By: Lindsay Mangin 10/18/2013 7:38:34 AM

Reviewed By: MG 10/18/13

Chain of Custody

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

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
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 (<2 or >12 unless noted)

Adjusted? No

Checked by: MG

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	4.4	Good	Not Present			

Chain-of-Custody Record

Client: HRL Compliance Solutions Inc

Mailing Address: 2385 FY2 Road
Grand Junction Co 81635

Phone #: 970 462 5440

email or Fax#: tancen@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
Segment 5 Marley Well

Project Manager:
Theresa Ancen

Sampler: Mark Sikellaros

On Ice: ☑ Yes ☐ No

Sample Temperature: 4.4

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. 1310902
10/7/13	1300	Aqueous	Marley Well Seg. 5	3-40ml VOA HCl		-001
				2-40ml VOAs Soil		
				3-1L Amber		
				1-L Amber H2SO4		
				1-500ml plst		
				~~1-125ml H2SO4~~		
				1-500ml HNO3		
				1-125ml HNO3 Filt		
				~~1-500ml NaOH~~		

Analysis Request

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)	NM WQCC see list				Air Bubbles (Y or N)
											X	Ag Ka 226/228 10/17/13			

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/7/13	1700				
Date:	Time:	Relinquished by:	Received by:	10/17/13	1700

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: Eileen Shannon <EShannon@kleinfelder.com>
Sent: Wednesday, October 23, 2013 9:43 AM
To: Jones, Brad A., EMNRD
Cc: jagwhite@eprod. com (jagwhite@eprod.com); Runell Seale (RSeale@eprod.com); Heap, James; Theresa Ancell; Luke Davis (luke1d@msn.com)
Subject: RE: HIP-125 - WEP III - Seg 5 additional water source information for hydrostatic testing

Brad, based on our discussion a few minutes ago, I am retracting this email request. I will resubmit it in a new email and will not include the Marley well.
Once the analytical results are received from the Marley well, I will submit an additional request to add the Marley well, with a copy of the analytical.

Thanks, Eileen

From: Eileen Shannon
Sent: Wednesday, October 23, 2013 8:16 AM
To: Jones, Brad A., EMNRD (brad.a.jones@state.nm.us)
Cc: jagwhite@eprod. com (jagwhite@eprod.com); Runell Seale (RSeale@eprod.com); Heap, James; Theresa Ancell; Luke Davis (luke1d@msn.com)
Subject: HIP-125 - WEP III - Seg 5 additional water source information for hydrostatic testing

Hi Brad,

On behalf of Enterprise Products Operating Company LLC (Enterprise), Kleinfelder West, Inc. is submitting this notice of a change in source water for hydrostatic testing of Segment 5 of Enterprise's Western Expansion Pipeline III.

Because of difficulties with their water system, the original proposed source for water (Vaughn Duran Water System) may not have sufficient water, or any water, available to Enterprise for use in the hydrostatic test. In addition to the Vaughn Duran Water System, Enterprise would like to add the following as potential sources of water for the Segment 5 hydrostatic testing:

- Roswell Municipal Water System (Water System No. NM3520203); and
- Marley Well (33.623692°, -104.545024°)

Radium concentrations are as follows:

- Roswell Municipal Water System
  - Rad-266 0.31 pCi/L
  - Rad-228 0.04 pCi/L
- Marley Well (Radium results pending – sample collected on 10/21/13 (COC attached))

Available laboratory analytical data is attached for Roswell MWS. The Marley well was sampled on 10/17/13 for NMAC 20.6.2.3103 constituents (except radium which was collected for analysis on 10/21/13). Results will be submitted to you once they are received.

Please call if you have questions or need additional information

Eileen

Eileen Shannon P.G.
Project Manager
9019 Washington NE, Building A
Albuquerque, NM 87113
o| 505.344.7373 Ext. 254
c| 505.307.0722
f| 505.344.1711

KLEINFELDER
Bright People. Right Solutions.

Jones, Brad A., EMNRD

From: Eileen Shannon <EShannon@kleinfelder.com>
Sent: Wednesday, October 23, 2013 8:16 AM
To: Jones, Brad A., EMNRD
Cc: jagwhite@eprod. com (jagwhite@eprod.com); Runell Seale (RSeale@eprod.com); Heap, James; Theresa Ancell; Luke Davis (luke1d@msn.com)
Subject: HIP-125 - WEP III - Seg 5 additional water source information for hydrostatic testing
Attachments: RMWS.pdf; COC Marley Well.pdf; Marley well radium COC.pdf

Hi Brad,

On behalf of Enterprise Products Operating Company LLC (Enterprise), Kleinfelder West, Inc. is submitting this notice of a change in source water for hydrostatic testing of Segment 5 of Enterprise's Western Expansion Pipeline III.

Because of difficulties with their water system, the original proposed source for water (Vaughn Duran Water System) may not have sufficient water, or any water, available to Enterprise for use in the hydrostatic test. In addition to the Vaughn Duran Water System, Enterprise would like to add the following as potential sources of water for the Segment 5 hydrostatic testing:

- Roswell Municipal Water System (Water System No. NM3520203); and
- Marley Well (33.623692°, -104.545024°)

Radium concentrations are as follows:

- Roswell Municipal Water System
  - Rad-266 0.31 pCi/L
  - Rad-228 0.04 pCi/L
- Marley Well (Radium results pending – sample collected on 10/21/13 (COC attached))

Available laboratory analytical data is attached for Roswell MWS. The Marley well was sampled on 10/17/13 for NMAC 20.6.2.3103 constituents (except radium which was collected for analysis on 10/21/13). Results will be submitted to you once they are received.

Please call if you have questions or need additional information

Eileen

Eileen Shannon P.G.
Project Manager
9019 Washington NE, Building A
Albuquerque, NM 87113
o| 505.344.7373 Ext. 254
c| 505.307.0722
f| 505.344.1711

KLEINFELDER
Bright People. Right Solutions.

Drinking Water Branch

Chem/Rad Sample Results

Return Links

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. :	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

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

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

Glossary

Total Number of Records Fetched = 5

Drinking Water Branch

Chem/Rad Sample Results

Return Links

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. :	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

Chem/Rad Sample Results

Return Links

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. :	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

Drinking Water Branch

Chem/Rad Sample Results

Return Links

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. :	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

Drinking Water Branch

Chem/Rad Sample Results

Return Links

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. :	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

Drinking Water Branch

Chem/Rad Sample Results

Return Links

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. :	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

Drinking Water Branch

Chem/Rad Sample Results

Return Links

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. :	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

Return Links

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

Return Links

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

Return Links

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. :	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

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 9, 2013

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

Re: Hydrostatic Test Discharge Permit
Permit: HIP-125
Enterprise Products Operating, LLC
Western Expansion Pipeline III, Segment 5
Locations: Unit A of Section 5, Township 1 South, Range 19 East, NMPM, Lincoln County, New Mexico

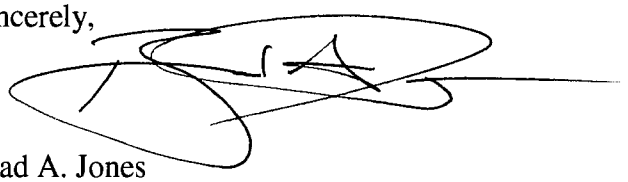
Dear Ms. Nolan:

The New Mexico Oil Conservation Division (OCD) has received Enterprise Products Operating LLC's (Enterprise) notice of intent, dated October 2, 2013 and an email dated October 4, 2013, for authorization to discharge approximately 340,000 gallons of wastewater generated from a hydrostatic test of a new 16-inch diameter natural gas gathering system transmission pipeline approximately 30.3 miles (159,475 feet) long, located approximately 27 miles southeast of Vaughn, New Mexico. The proposed discharge/collection /retention location is within Enterprise's pipeline easement right-of-way and adjacent private property, located within Unit A of Section 5, Township 1 South, Range 19 East, NMPM, Lincoln County, New Mexico. The submittal provided the required information in order to deem the application "administratively" complete. OCD approves the Guadalupe Communicator 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 Vaughn, 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 IV Office, Santa Fe
Mr. Jim Heap, Enterprise Products Operating, LLC, Midland, TX 79701

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of Check No. 689546 dated 8/9/13

or cash received on 10/8/13 in the amount of $ 700.00

from KLEINFELDER WEST, INC.

for HIP - 125

Submitted by: BRAD JONES Date: 10/9/13

Submitted to ASD by: LUPE SHERMAN Date: 10/9/13

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:
10/8/13		✓	KLEINFELDER WEST, INC	8/9/13	689546	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		2329029	00

Jones, Brad A., EMNRD

From: Eileen Shannon <EShannon@kleinfelder.com>
Sent: Friday, October 04, 2013 11:50 AM
To: Jones, Brad A., EMNRD
Cc: jagwhite@eprod. com (jagwhite@eprod.com); Runell Seale (RSeale@eprod.com); Katie Knights; Jill Hernandez
Subject: WEP III - Segment 5 - Public Notice Ad in the Santa Rosa News

Hi Brad,

Although we are still waiting on the notification of administrative completeness for Seg 5, we were following up on specifics needed for submittal of the public notice to the *Santa Rosa News*. I just wanted to forward this info on – particularly the point that there is no more *Santa Rosa News*. They are now called *The Guadalupe Communicator*.

I wasn't sure how you would like to handle this from a paperwork status. If you need us to resubmit something, please let me know. I am confused by this email has we have had several rounds of communication with them (both email and by phone) and this is the first we have heard about the name change.

Let me know the best way to efficiently handle this.

Thanks, Eileen

Eileen Shannon P.G.
Project Manager
9019 Washington NE, Building A
Albuquerque, NM 87113
o| 505.344.7373 Ext. 254
c| 505.307.0722
f| 505.344.1711

KLEINFELDER
Bright People. Right Solutions.

From: Katie Knights
Sent: Friday, October 04, 2013 11:39 AM
To: Eileen Shannon
Subject: FW: Public Notice Ad in the Santa Rosa News

FYI...

From: M.E. Sprengelmeyer [mailto:ersthap@hotmail.com]
Sent: Friday, October 04, 2013 11:27 AM
To: Katie Knights
Subject: RE: Public Notice Ad in the Santa Rosa News

Thank you. That's larger than I was expecting and will have to ask our advertising director to get you the exact price, with proofs, on Tuesday morning.

I would recommend running it in 10-point type or larger. If that's OK with you, I will have her send you the proof and price on Tuesday.

FYI, the name of our newspaper is The Guadalupe County Communicator (the only publication in Guadalupe County). A predecessor, the Santa Rosa News, ceased operations here in 2009, although they posted our address on their web site to take care of folks like you.

M.E. Sprengelmeyer
(575)472-3555 office
ErstHap@hotmail.com

"In the future, TV will be so good that the printed word will function as an art form only." -- David Byrne, 1985

From: KKnights@kleinfelder.com
To: menewspaper@hotmail.com; comsilvercom@plateautel.net
Subject: Public Notice Ad in the Santa Rosa News
Date: Fri, 4 Oct 2013 16:52:20 +0000

Hello –

I just got off the phone with you and I have attached the public notice that we will need published on Thursday 10/10/13. We need both the English and Spanish text run. The display ad needs to be at least three inches by four inches in size (not in the classified section). We will also need affidavit of publication once it is published.
Please send me a quote with a proof.
Let me know if you need any other information.

Thank you,
Katie.

Katie Knights
9019 Washington St NE Bldg. A
Albuquerque, NM 87113
O/ 505.344.7373
F/ 505.344.1711

KLEINFELDER
Bright People. Right Solutions.

Enterprise Products

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

ENTERPRISE PRODUCTS OPERATING LLC

October 2, 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 5
Guadalupe, Lincoln and De Baca Counties, New Mexico

Enterprise Products Operating LLC (Enterprise) will be constructing Segment 5 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 drafts that you reviewed.

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

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

Sincerely,

James G. White
Sr. Environmental Scientist

cc: James Heap, Enterprise
Shiver Nolan, Enterprise

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

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

KLEINFELDER
Bright People. Right Solutions.

October 1, 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 5
Guadalupe, Lincoln, and De Baca Counties, 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 5 of Enterprise's Western Expansion Pipeline III (WEP III).

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

- Background Information;
- Notice of Intent Plan;
- Figure 1 – New Enterprise Pipeline, WEP III Segment 5;
- Figure 2 – New Enterprise Pipeline, WEP III Segment 5 Discharge Location;
- 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;
- Appendix F – Public Notice;
- Appendix G – Electro-Coagulation Process Information; and
- Appendix H – Vaughn Duran 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.

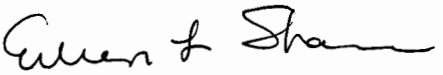
Should you have any questions, please feel free to contact Eileen Shannon (Kleinfelder) at 505.344.7373 or Jimmy White (Enterprise) at 713.381.1785.

Respectfully submitted,

KLEINFELDER WEST, INC.

Melissa E. Cote
Professional

Reviewed by:



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 16-inch diameter line. The section to be hydrostatically tested, Segment 5 of the WEP III pipeline is 30.3 miles or 159,475 feet long (Figure 1);
- The pipeline is part of a gathering system that transports natural gas from the Piceance and San Juan Basins to processing facilities located in Hobbs, New Mexico and Houston, Texas;
- The source water for the hydrostatic testing is the Vaughn Duran Water System (NM 3515310);
- Placement of water into the northern portion of Segment 5 (MP 144.7 to MP 150.9) is scheduled to start on November 5, 2013 (Figure 1). Water will be added to the pipeline just east US 285 (approximately MP 144.7). After the testing of one section of the pipeline is complete, the water will be held in that portion of the pipeline until the construction of the next portion of Segment 5 (to the south) is completed. The order of testing is as follows:
    - MP 144.7 to 150.9
    - MP 150.9 to 156.2
    - MP 156.2 to 162.8
    - MP 162.8 to 168.7
    - MP 168.7 to 174.9
- Upon completion of test, the water will be analyzed for water quality (discussed in item j). Provided that the test water meets the requirements NMAC 20.6.3013, it will be discharged to the ground surface within the Enterprise right-of-way at MP 156.2. Approximately 340,000 gallons are expected to be discharged to the ground surface and on adjacent properties on or around November 15, 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 and Spanish 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 Vaughn, New Mexico post office;
    3. Written notice of the discharge by mail to owners of record of properties adjacent to the boundary of the property 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

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

5. A synopsis of the notice will be published in a display ad at least three inches by four inches in size in *The Santa Rosa News.* Public notice is published every Thursday, and the paper requires the information at least two days prior to publication.

Notice of Intent Plan

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

Item a. Name and address of the proposed discharger:

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

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

The section of the pipeline to be tested is located in Guadalupe, Lincoln, and De Baca Counties. Water from the hydrostatic testing will be discharged to the ground in the 125-foot construction right-of-way (ROW) and adjacent properties near the south-central portion of WEP III Segment 5 at MP 156.2. The discharge area includes:

- In the pipeline ROW, an area approximately 125 feet wide by 95.6 feet long (approximately 68,358 square feet); and
- In the adjacent property southwest of the ROW an area of approximately 113,218 square feet. Landowner permission is included in Appendix E.

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

The location of the hydrostatic discharge area is located approximately 27 miles southeast of Vaughn, New Mexico. Directions to the discharge site from Vaughn, New Mexico are:

- From the intersection of US-285 (8th Street) and Magnolia St., head east on US-285 S (8th Street) and continue to follow US-285 S to the southeast for 29.1 miles;
- Turn west on an unnamed road for 2.3 miles;
- Turn south on an unnamed road for 0.2 miles;
- Turn west on an unnamed road for 0.6 miles; and
- The site is on the left side of the road.

The approximate coordinates for the discharge area location are: Latitude 34.259130°; Longitude -104.963834°.

Item c. Legal description of the discharge location:

The discharge location is located:

- In the NE/4 of the NE/4 of Section 5, Township 1 South, Range 19 East (Figure 1).
- The latitude and longitude coordinates are provided 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 3 and August 7, 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). No water supply wells are located within 1,000 feet of the discharge area (Figure B-2, Appendix B).

The New Mexico Office of the State Engineer (OSE) website was checked for water supply wells located in the vicinity of the site. Based on data obtained from the OSE and Go-Tech websites, accessed on June 3, 2013, domestic and livestock wells are located approximately 4.8 miles to the east-northeast of the proposed discharge area (Figure B-2, Appendix B).

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

This area has not been mapped by the Federal Emergency Management Administration, so no floodplain information was available for review. Based on a review of the topographic map, (Figure B-3 in Appendix B), the discharge area is in an area of fairly flat topography and at higher elevation than a nearby ephemeral stream, and is not likely to be in a floodplain.

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 noted at or in the vicinity of the proposed discharge area (Figure C-1 in Appendix C). Mr. Mike Tompson, with the New Mexico Abandoned Mine Lands Program, was contacted on July 22, 2013 to assess the presence of abandoned subsurface mines in the vicinity of the proposed discharge area. According to Mr. Tompson, there is 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. Potable water will be introduced into the pipeline and then the pipeline will be pressurized to a pressure greater than maximum operating pressure for approximately eight hours. If leaks or breaks occur, the pipeline is repaired or the affected piping is replaced, and then re-tested. Once the test is complete, the water will be discharged from the pipeline into the dissipation and discharge system.

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 the hydrostatic testing has been, the water will be tested for water quality as described in *item j*. Once approval to discharge has been received, the test water will be allowed to flow from the pipeline into the 125-foot right-of-way and adjacent property.

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

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 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 125-foot ROW and adjacent property. The dissipation and discharge structure will be built to maintain the proper flow rate to avoid scouring the landscape. A diagram 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 use or discharge location is proposed.

If hydrostatic test water analytical results exceed the water quality 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 water quality standards of NMAC 20.6.2.3103 required for discharge approval, the water will be hauled and disposed of as described in *item k*.

Item j. ***A proposed hydrostatic test wastewater sampling plan;***

Enterprise requests that it not be required to test for Radium 226/228. The Vaughn Duran Water System, sampled on January 24, 2012, had the following results for radium (in pCi/L): Radium – 226 at 0.09 ± 0; and Radium – 228 at 0.04. These levels are below the 30 pCi/L standard in NMAC 20.6.2.3103. A copy of available analytical data for the Vaughn Duran Water System is included in Appendix H.

Prior to discharge, Enterprise will collect and analyze a sample of the water used in the hydrostatic testing. The sample will be collected from the discharge location (MP-156.2). The sample will be analyzed using the following methods.

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

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

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 at one of the following 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).

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

The volume of the hydrostatic test water is expected to be discharged is approximately 340,000 gallons. The source of water used for the hydrostatic test will be municipal water from the Vaughn Duran Water System. A copy of the most recent water analytical data available for the Vaughn Duran Water System is included in Appendix H. 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;

Soils in the area are dominated by gently sloping Pastura loam that is very shallow and shallow, well-drained soil on uplands (USDA, et al, 1983). The Pastura loam is formed in alluvium derived dominantly from limestone and is comprised of loam overlying clay loam and gravelly

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

clay loam, which overlies indurated caliche. The Pastura soil has moderate permeability and very low water capacity.

The soil overlies the Permian Artesia Group (Pat) and the Paleozoic San Andres Formation (Psa) adjacent to the west (Figure D-1, Appendix D). The Artesia Group has shelf facies forming broad south-southeast trending outcrops from the Glorieta to the Artesia area. The San Andres Formation is comprised of limestone and dolomite with minor shale and is Guadalupian to the south and part Leonardian to the north (USGS, 2013). Karst was not identified at or in the vicinity of the discharge area in the database search, 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 10, 2013, found limited available water quality data on wells in the vicinity of the site. Information on the closest wells to the site, located approximately 4.8 miles northeast of the site, is summarized below:

Well ID	Ground Surface Elevation (feet amsl[a])	Depth to Water (feet)	Groundwater Elevation (feet amsl[a])
RA 08695	5140	115	5025
RA 08694	5140	95	5045
FS 01166	5168	135	5033

[a] amsl = above mean sea level

Based on the topographic map, ground elevation at the discharge location is approximately 5140 feet amsl, and therefore, the depth to water is anticipated to be similar to the depth to water observed at the closet wells (95 - 107 feet below ground surface).

Regional water quality data from a literature search is summarized below:

- Total dissolved solids (TDS) concentrations in the region generally range from 2,100 to 2,300 parts per million (Dinwiddie et al, 1983).

Item o. Identification of landowners at, and adjacent to, the discharge collection/retention site. Landowners within 1/3-mile of the boundary of the discharge point or temporary frac tank storage area within the Enterprise pipeline easement:

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

Map Parcel ID (E-1)	Property Owner
A	Marley Ranches, LTD 4901 Whitney Lane Roswell, NM 88203

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 property where the discharge will occur are:

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

Map Parcel ID (E-1)	Property Owner
B	Bureau of Land Management Rio Puerco Field Office 435 Montano Road NE Albuquerque, NM 87107 Attn: Connie Maestas, Realty Specialist
C	New Mexico State Land Office PO Box 1148 Santa Fe, NM 87504
D	Regina S Oldham 19861 Robin Way Saratoga, CA 95070
E	William J Hanratty 2608 Bay Meadows Roswell, NM 88203
F	Martin Ranch Company 23090 W Ash Creek Rd Wilcox, AZ 85643
G	Big Creek 4420 Tower Rd SW Albuquerque, NM 87121
H	Road Runner Ranches PO Box 1738 Roswell, NM 88201
I	Bob H Byrd PP Box 416 Corona, NM 88318
J	Annie Lyon 2002 Westridge Road Apt. 405 Carlsbad, NM 88220
K	John and Carol Bethel Living Trust 5502 East 109th Street Tulsa, OK 74137
L	Carlene J Seay PO Box 1526 Kamiah, ID 83536

Figure E-1 illustrates the parcel locations discussed above

References

Go-Tech, New Mexico Water database (NM WAIDS, accessed June 10, 2013, http://octane.nmt.edu/waterquality/data/gwatersearch.aspx.

Dinwiddie, G.A. and Clebsch, Jr., A., 1983. "Water Resources of Guadalupe County New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 3.

Office of the State Engineer (OSE) database search accessed in June 10, 2013, http://nmwrrs.ose.state.nm.us/nmwrrs/index.html.

United States Department of Agriculture, Soil Conservation Service, United States Department of the Interior Bureau of Land Management, and New Mexico Agricultural Experiment Station, 1983. "Soil Survey of Lincoln County Area, New Mexico".

United States Geological Survey, Mineral Resources On-Line Spatial Data, accessed June 10, 2013, http://mrdata.usgs.gov/geology/state/state.php?state=NM

GIS References

NM Topographic 7.5' quadrangle maps

- Camaleon Draw East
- Cowboy Mesa
- Cowboy Mesa NE
- Cowboy Mesa NW
- Cowboy Mesa SW
- Devils Well
- Duoro
- Duran NE
- El Morro Mesa
- Gacho Hill
- Gacho Hill NW
- Gacho Hill SE
- Gacho Hill SW
- Gallo Spring Canyon NE
- Loco Draw
- Ramon
- Ramon SW
- Red Bluff Draw East
- The Old Dry Lake
- Wire Lake
- Wright Ranch
- Yeso Mesa
- Yeso Mesa SE
- Yeso NW

Basemap for inset on Figure 1

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

Aerial imagery on Figure 2,

- ESRI World Imagery; ESRI DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community. Date of image: 10/12/2011

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

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

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

Floodplains, Segment 5

- *S_FLD_HAZ_LN downloaded from New Mexico Resource Geographic Information System Program, http://rgis.unm.edu/ GIS shapefile downloaded June 5, 2013
- No FEMA mapping available for this area

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
- 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

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

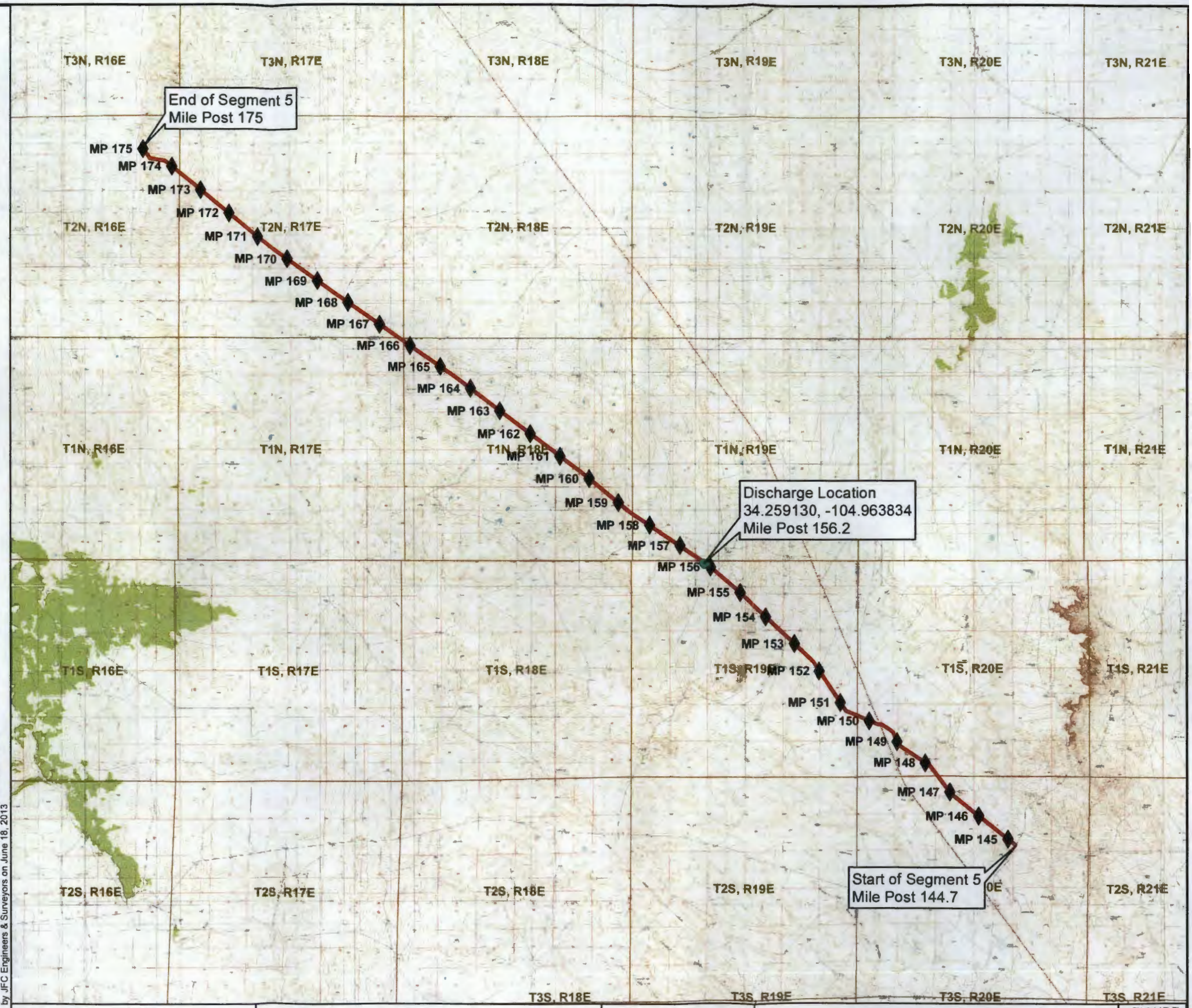
FIGURES

Source: ESRI World Street Map

LEGEND

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

Source: USGS 7.5' Quadrangle Topographic Maps: Duran NE, Gacho Hill NW, Gacho Hill, Duoro, Yeso Mesa, Yeso NW, Camaleon Draw East, Gacho Hill SW, Gacho Hill SE, Loco Draw, Yeso Mesa SE, El Morro Mesa, Gallo Spring Canyon NE, Cowboy Mesa NW, Cowboy Mesa NE, Ramon, Wright Ranch, The Old Dry Lake, Red Bluff Draw East, Cowboy Mesa SW, Cowboy Mesa, Ramon SW, Wire Lake, Devils Well, NM
Centerline: SPREAD3_IFC_8470SEG5_060313_CL.shp provided by JFC Engineers & Surveyors on June 18, 2013



1.5 0 1.5 3
Miles
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:	Seg5_Figure1.mxd

NEW ENTERPRISE PIPELINE
WEP III SEGMENT 5

ENTERPRISE PRODUCTS OPERATING LLC
GUADALUPE, LINCOLN, AND
DE BACA COUNTIES, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13
DRAWING CATEGORY: 1

FIGURE **1**

Date: 8/27/2013 User: KHagan

LOCATION OF DISCHARGE

- DISCHARGE POINT
- DISSIPATION AND DISCHARGE SYSTEM
- OVERFLOW PIPE
- DISCHARGE AREA
- MILE POST
- APPROXIMATE LOCATION OF SEGMENT 5
- CONSTRUCTION RIGHT-OF-WAY
- PLSS SECTION LINE

User: KHagan

Date: 8/27/2013

Source: ESRI World Imagery; ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community
Date of image: 10/12/2011
SPREAD3_IFC_8470SEG5_060313_CL.shp, SPREAD3_IFC_8470SEG5_060313_CROW.shp provided by JFC Engineers & Surveyors on June 18, 2013

N

50 0 50 100

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:	Seg5_Figure2.mxd

NEW ENTERPRISE PIPELINE
WEP III SEGMENT 5 DISCHARGE LOCATION

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13

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

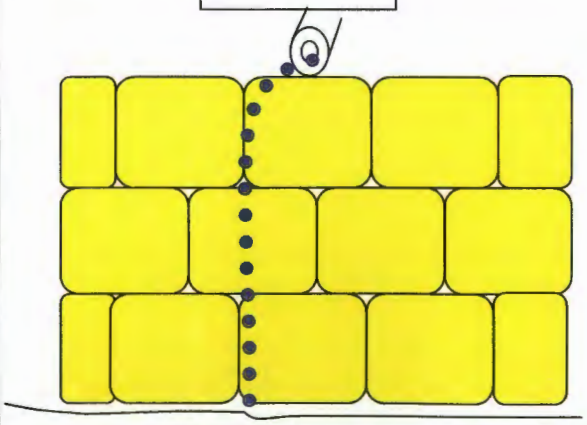
Plywood Supports: Plywood supports will be built to support the discharge point and the overflow pipe so that they do not rest on the straw bales.

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.

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

PROJECT NO.:	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_Figure3.doc

DISSIPATION AND DISCHARGE SYSTEM

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K.HAGAN
APPROVED BY: KLS 9-30-13

DRAWING CATEGORY 1

FIGURE **3**

APPENDIX A

Certification of Siting Criteria

Certification of Siting Criteria

WEP III: Segment 5 Discharge

I, R. Gunnar Westerman, have performed a site visit to look for the presence of the items described below and have confirmed that evidence of these items was not observed within the specified distance from the discharge location. The discharge location is in the L1 of Section 5, Township 1 South, Range 19 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.

R. Gunnar Westerman

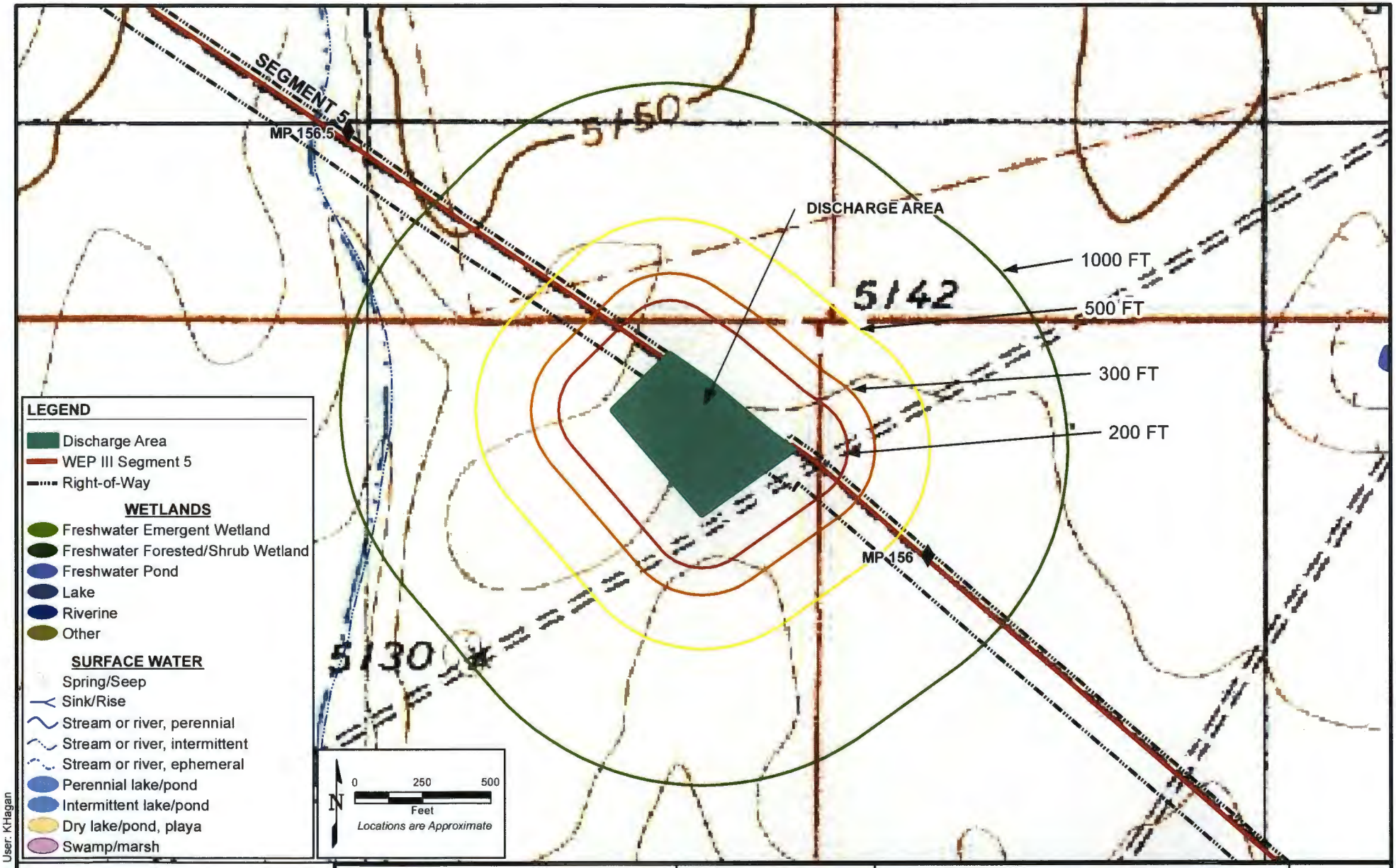
Signature

5/29/2013
Date of Site Visit

Environmental Scientist
Title:

APPENDIX B

Water Feature, Water Well Information and Floodplain Information



Sources:
SPREAD3_IFC_8470SEG5_060313_CL.shp and
SPREAD3_IFC_8470SEG5_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
National Wetlands Inventory, USF&WS
National Hydrography Dataset, USGS
USGS 7.5' Topographic Quadrangle, Loco Draw, NM

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

PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureB1.mxd

SURFACE WATER AND WETLANDS NEAR THE DISCHARGE AREA, WEP III SEGMENT 5

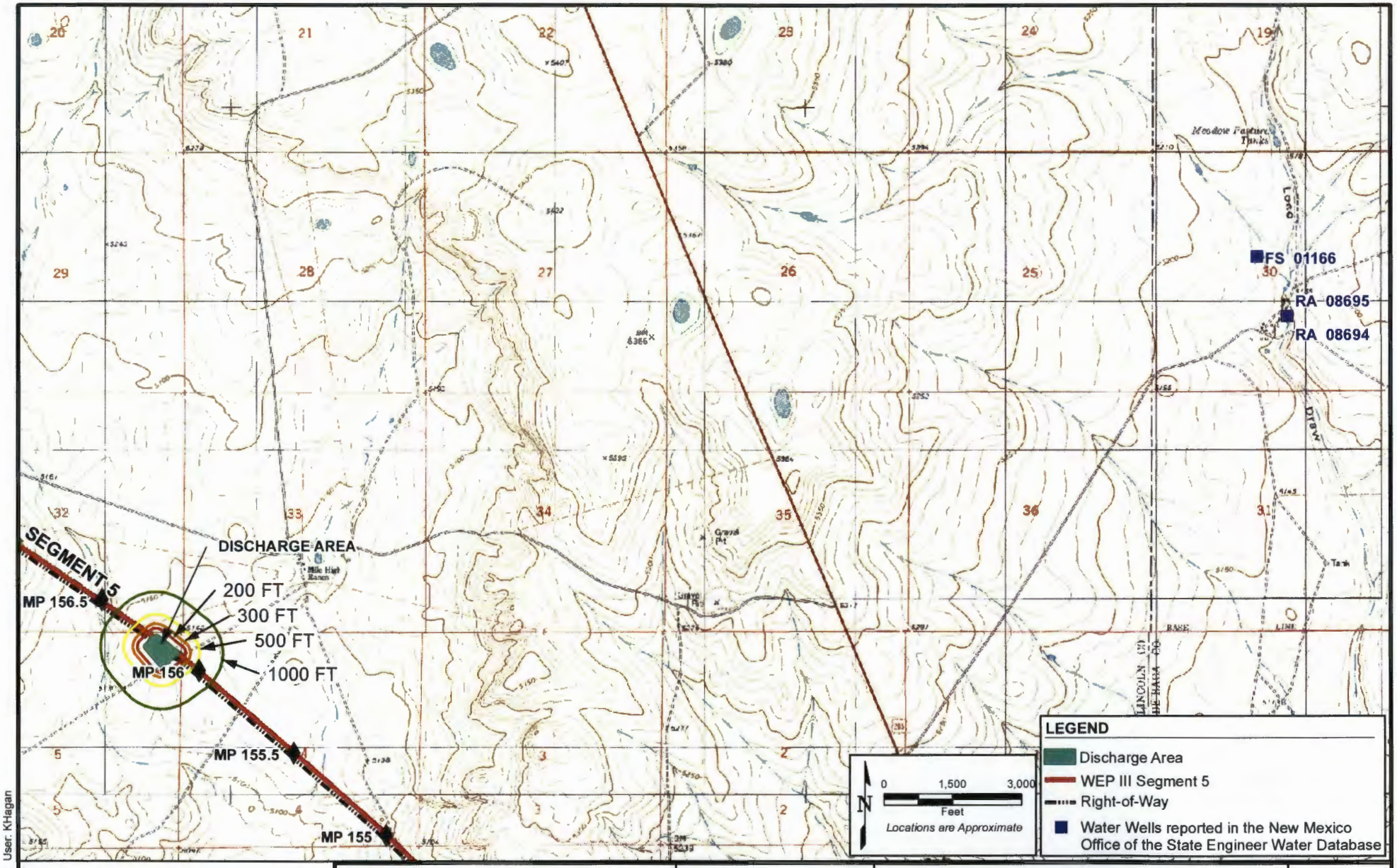
ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13

DRAWING CATEGORY: 1

FIGURE
B-1

User: KHagan
Date: 8/27/2013



Sources:
SPREAD3_IFC_8470SEG5_060313_CL.shp and SPREAD3_IFC_8470SEG5_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 Quadrangle, Loco Draw, NM

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

PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureB2.mxd

WATER WELLS IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 5

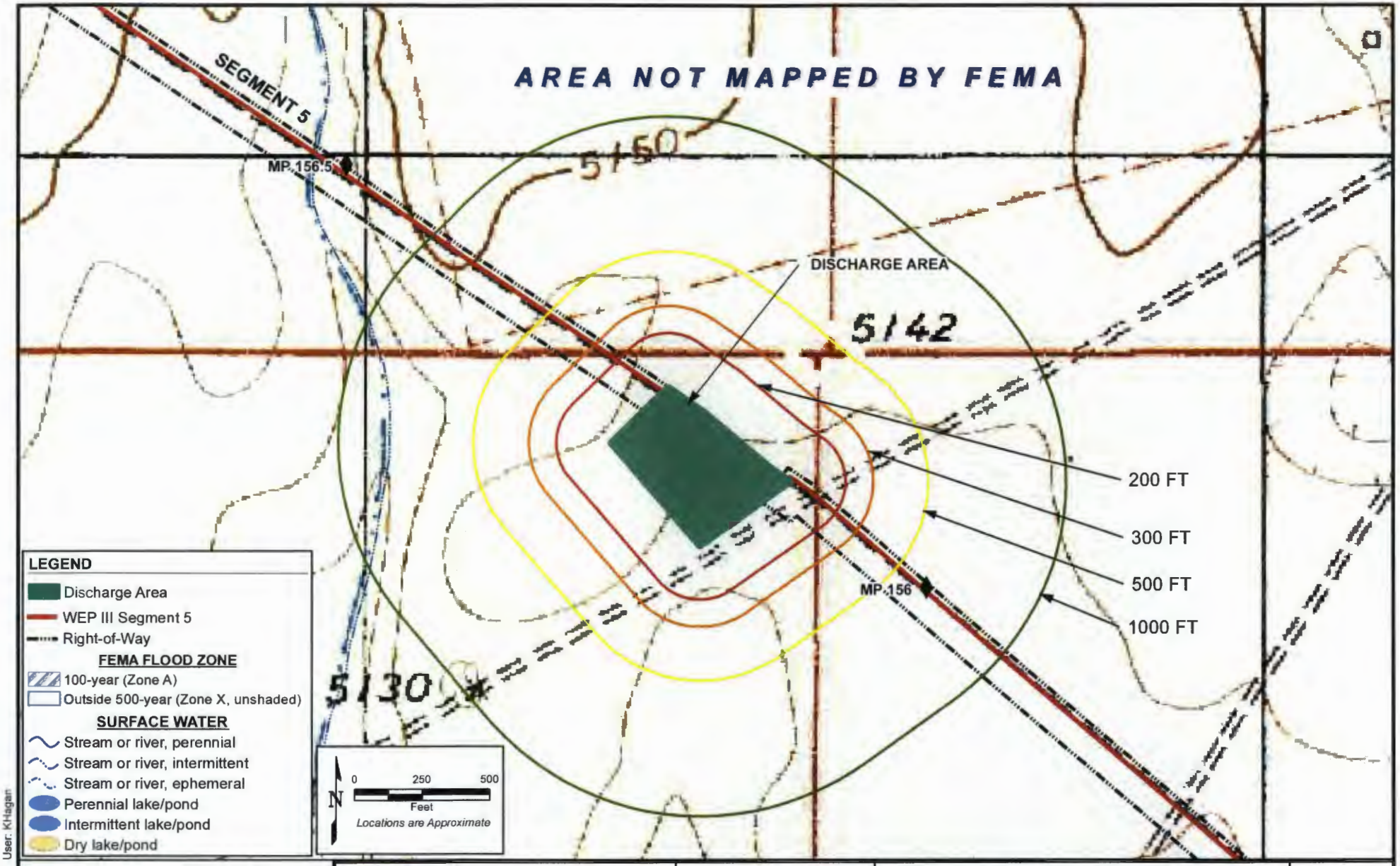
ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: QS 9-30-13

DRAWING CATEGORY: 1

FIGURE
B-2

User: KHagan
Date: 8/27/2013



Sources:
SPREAD3_IFC_8470SEG5_060313_CL.shp and
SPREAD3_IFC_8470SEG5_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
USGS 7.5' Topographic Quadrangle, Loco Draw, NM

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

PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureB3.mxd

FEMA FLOOD MAP FOR THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 5

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

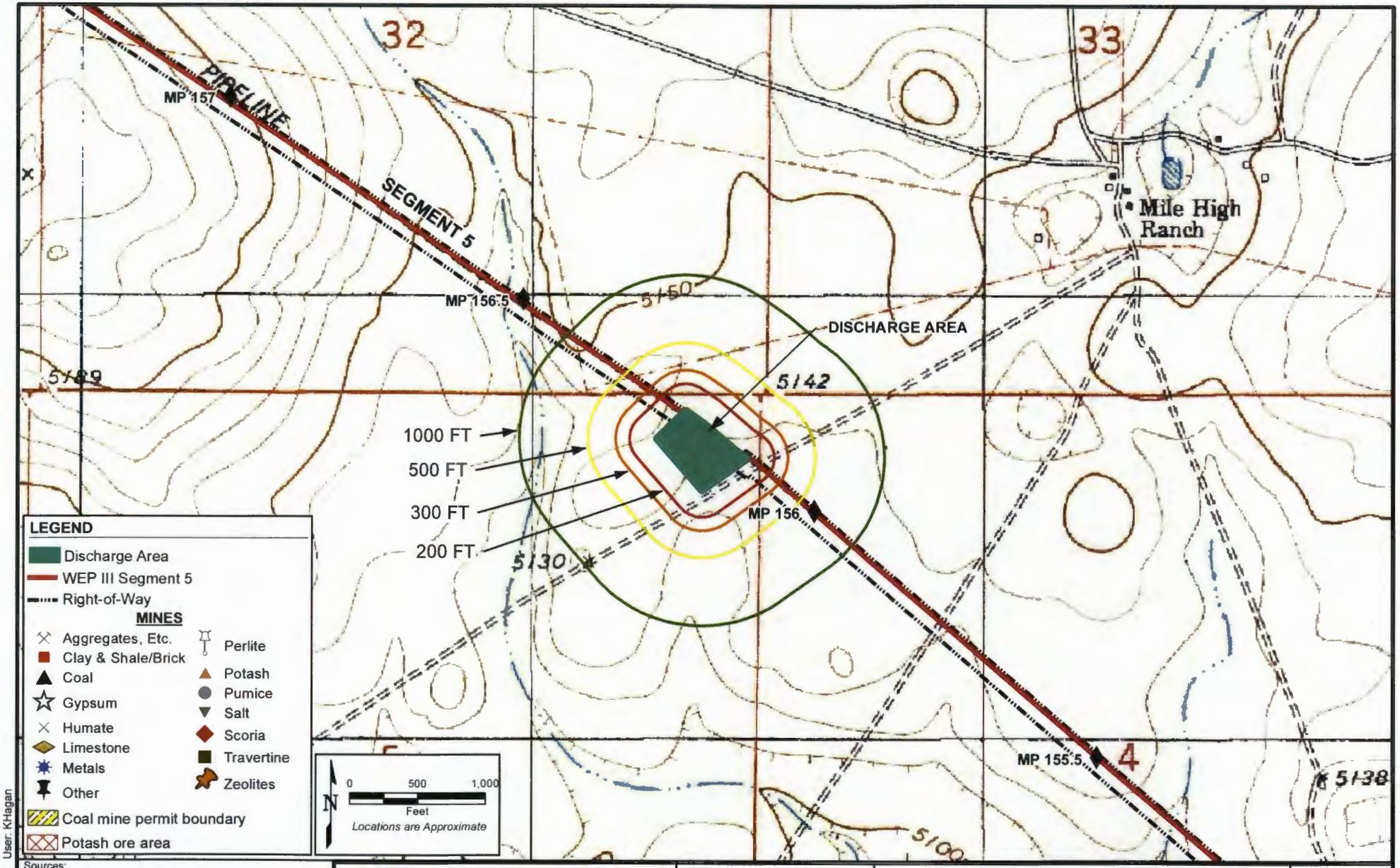
ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13

DRAWING CATEGORY: 1

FIGURE **B-3**

User: KHagan
Date: 8/27/2013

APPENDIX C
Area Mine Information



Sources:
SPREAD3_IFC_8470SEG5_060313_CL.shp and SPREAD3_IFC_8470SEG5_060313_CROW.shp provided by JFC Engineers & Surveyors on June 18, 2013
New Mexico Mining and Minerals Division, February 2012
USGS 7.5' Topographic Quadrangle, Loco Draw, NM

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

PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureC1.mxd

ACTIVE MINES NEAR THE DISCHARGE AREA, WEP III SEGMENT 5

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: RS 9.30.13

DRAWING CATEGORY: 1

FIGURE
C-1

User: KHagan
Date: 8/27/2013

RE: Mines in the Vicinity of Proposed Hydrotatic Testing

DELETE REPLY REPLY ALL FORWARD

mark as unread

Tompson, Mike, EMNRD <Mike.Tompson@state.nm.us>
Mon 7/22/2013 8:15 AM

To: Melissa Cote;

Cc: Kretzmann, John, EMNRD <john.kretzmann@state.nm.us>;

Hi Melissa,

The New Mexico Abandoned Mine Land Program has no record of any abandoned mines within a ½ mile of this location.

Please let me know if you need anything else.

Mike

From: Melissa Cote [mailto:MCote@kleinfelder.com]
Sent: Friday, July 19, 2013 2:15 PM
To: Tompson, Mike, EMNRD
Subject: Mines in the Vicinity of Proposed Hydrotatic Testing

Hi Mike,

I am working on a hydrostatic discharge plan for the fifth segment of the Enterprise pipeline. We are required to research whether there are any mines in the vicinity of the proposed discharge area.

The discharge area is located at:

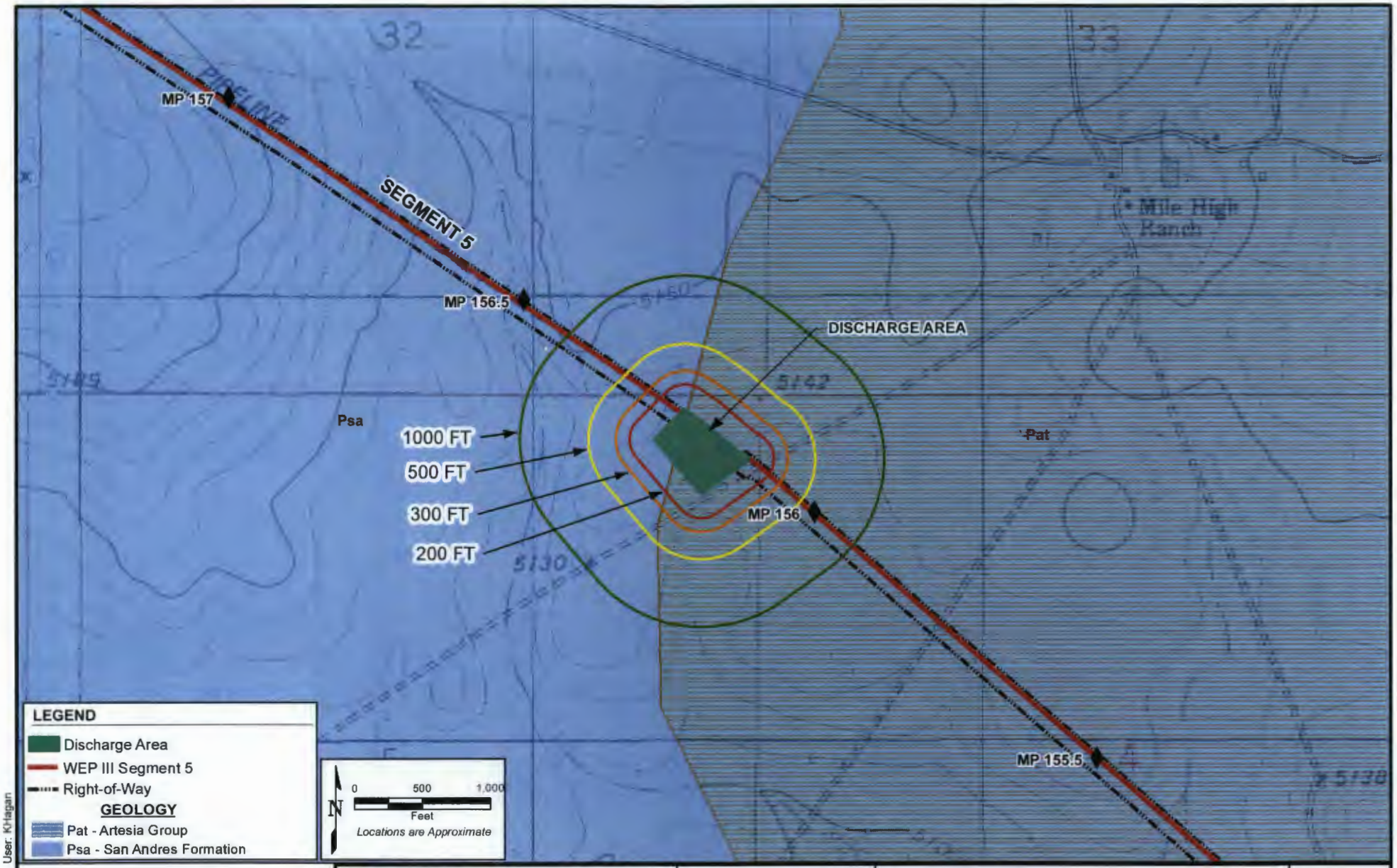
- L1; Section 5, T 1S, R 19E
- Latitude 34.259130°; Longitude -104.963834°

Would you be able to tell us whether there are any mines within a 1/2 mile radius of this area?

Thank you,
Melissa

Melissa Cote

APPENDIX D
Geology



Sources:
SPREAD3_IFC_8470SEG5_060313_CL.shp and
SPREAD3_IFC_8470SEG5_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 2013
USGS OFR 2005-21351
USGS 7.5' Topographic Quadrangle Loco Draw, NM

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

PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureD1.mxd

GEOLOGY IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 5

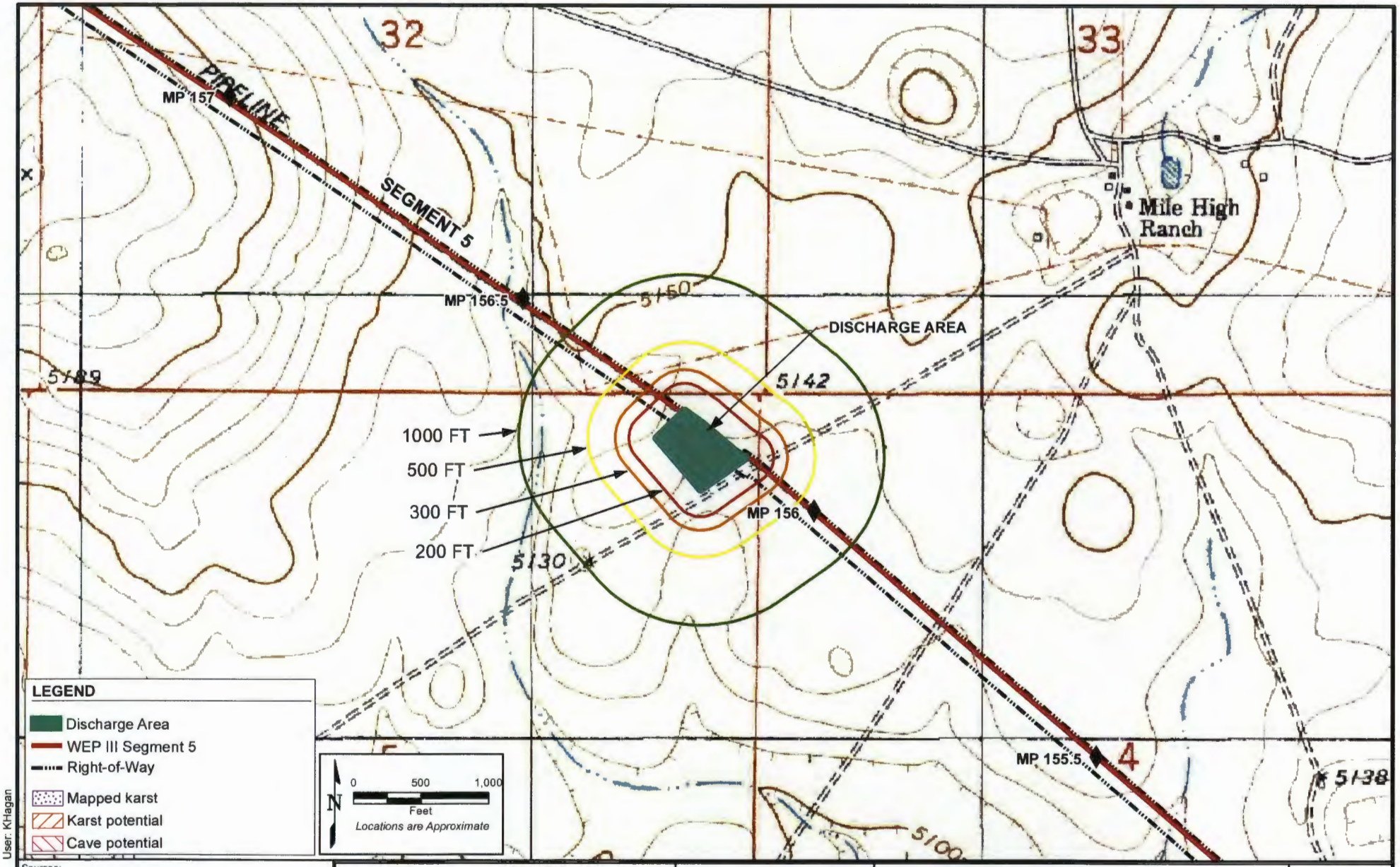
ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13

DRAWING CATEGORY: 1

FIGURE
D-1

User: K'Hagan
Date: 8/27/2013



Sources:
SPREAD3_IFC_8470SEG5_060313_CL.shp and
SPREAD3_IFC_8470SEG5_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 Quadrangle, Loco Draw, NM

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

PROJECT NO.	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureD2.mxd

KARST IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 5

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

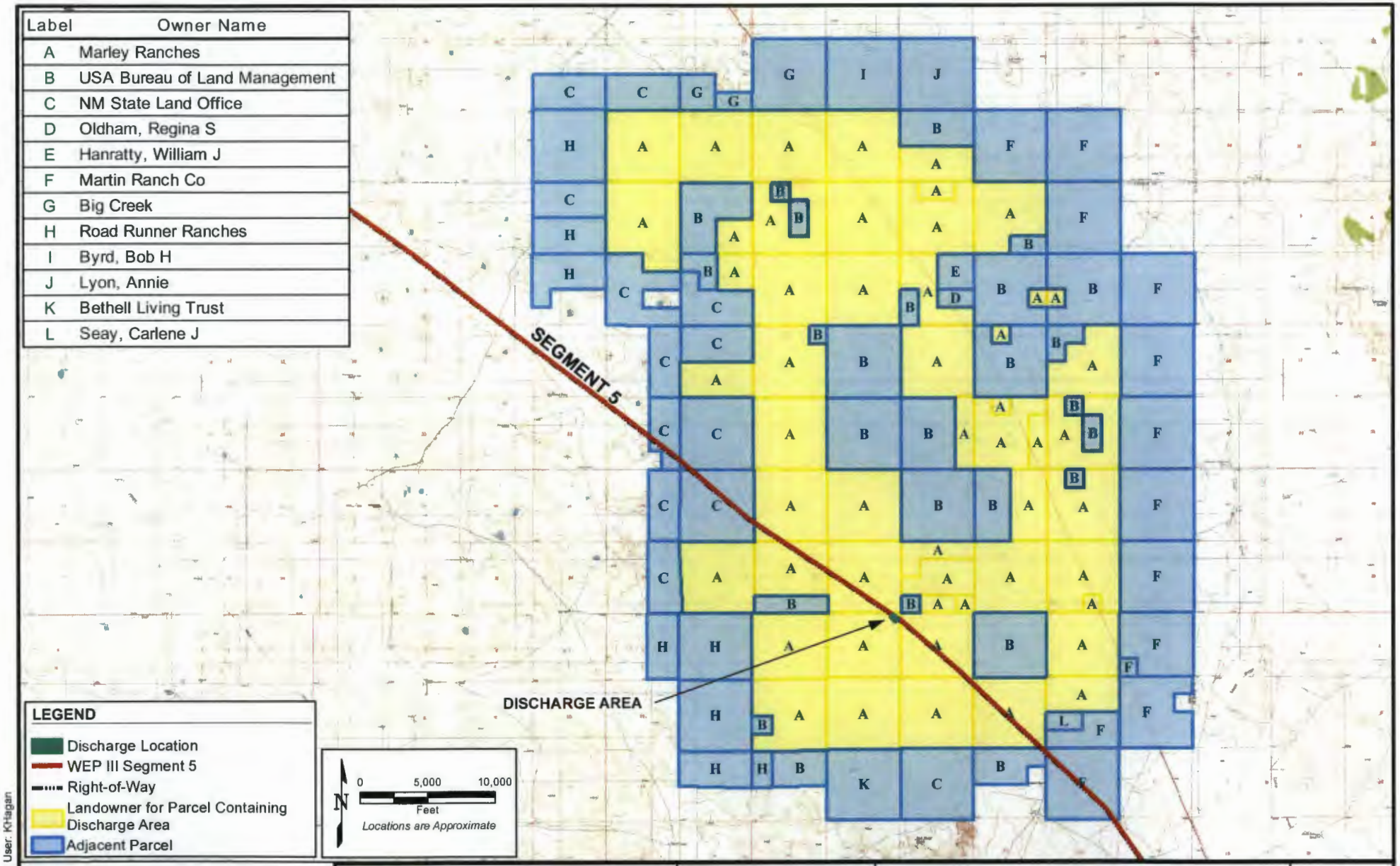
ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13

DRAWING CATEGORY: 1

FIGURE
D-2

User: KHagan
Date: 8/27/2013

APPENDIX E
Area Landownership



Sources:
SPREAD3_IFC_8470SEG5_060313_CL.shp and SPREAD3_IFC_8470SEG5_060313_CROW.shp provided by JFC Engineers & Surveyors on June 18, 2013
USGS 7.5' Topographic Quadrangle, Gacho Hill SE, Loco Draw, Cowboy Mesa NE, Ramon, NM

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

PROJECT NO.	134288
DRAWN:	SEP 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureE1.mxd

LAND OWNERSHIP IN THE VICINITY OF THE DISCHARGE AREA, WEP III SEGMENT 5

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 9.30.13

DRAWING CATEGORY: 1

FIGURE
E-1

User: KHagan
Date: 9/17/2013

Enterprise Products

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

ENTERPRISE PRODUCTS OPERATING LLC

August 21, 2013

VIA HAND DELIVERY or CERTIFIED MAIL

Marley Ranches
4901 Whitney Lane
Roswell, NM 88203

RE: Proposed Hydrostatic Water Discharge Site
MAPL – WEP III Project, 16 Inch Line
Tract Number: NM-LI-04
Lincoln County, New Mexico

Dear Mr. Marley,

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 30 miles (consisting of 5 sections – the longest is approximately 34,786 feet) of its new 16-inch pipeline in Guadalupe, Lincoln and De Baca Counties, New Mexico. Enterprise proposes to use approximately 340,000 gallons (total) obtained from The Vaughn Duran Water System.

Upon completion of the test, Enterprise plans to discharge approximately 340,000 gallons of test water onto the pipeline Easements and onto the adjacent land located on the property of **Marley Ranches, LTD** (hereinafter referred to as "Landowner"). Landowner understands that the water will not be contained within the Easements and will flow out to adjoining land and hereby grants permission to Enterprise for such activity. The 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 discharged and tested in compliance with the guidelines of the New Mexico Oil Conservation Division (NMOCD) Hydrostatic Discharge Permit. The discharge is currently scheduled to begin on or about October 9, 2013 and will take approximately 3 hours to complete.

A hydrostatic water discharge permit from the NMOCD is required to discharge hydrostatic test water. The NMOCD application requires permission from the landowner to discharge the test water onto private property. Landowner permission must be included with the application submitted to NMOCD. Acquisition of the permit takes approximately 90 days.

Enterprise shall defend, protect, indemnify and hold Marley Ranches, LTD harmless from and against any and all loss, damage, liability and expense of every nature and kind, including attorney's fees and costs, contamination and erosion of land, arising from the activities of Enterprise hereunder. Grantee shall repair or pay Grantor for any damages promptly as they may occur related to the water discharge on the property.

P O BOX 4324
HOUSTON, TEXAS 77210-4324
713 381 6500

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

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

By: _____

Name: Rick J. Triboudeaux

Title: Agent- Attorney-in-Fact

Your signature indicates your approval to allow for discharge onto your property.

Landowner(s):

_____ Dated: 23 day of Aug, 2013
Mark Marley

Witness:
_____ 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, 614 Reilly Ave., Farmington, NM 87401.

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 34.259130°, longitude -104.963834° in the NE/4 of the NE/4 of Section 5, T 1S, R19E in Lincoln County, New Mexico.

The location of the hydrostatic discharge area is located approximately 27 miles southeast of Vaughn, New Mexico. To reach the discharge site from Vaughn, New Mexico, from the intersection of US-285 (8th Street) and Magnolia St., New Mexico, head east on US-285 S (8th Street) and continue to follow US-285 S for 29.1 miles; turn right for 2.3 miles; turn left for 0.2 miles; and turn right for 0.6 miles (all unnamed roads). The discharge area will be on the right. The hydrostatic test is scheduled to start on approximately November 4, 2013 with discharge of the test water scheduled for approximately November 15, 2013.

The new piping, called the Western Expansion Pipeline (WEP) III, Segment 5, will be hydrostatically tested. Up to 340,000 gallons of unused municipal water obtained from the Vaughn Duran Water System and 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. Based on a literature review, and 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 95 to 107 feet deep. Total dissolved solids concentrations in groundwater in the region range from 2,100 to 2,300 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, 614 Reilly Ave., Farmington, NM 87401.

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 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 esta a una latitud de 34.259130°, y una longitud de -104.963834° en el NE/4 del NE/4 de la Seccion 5, T1S, R19E en el Condado de Lincoln, Nuevo México.

El lugar de la descarga está aproximadamente a 27 millas al sureste de Vaughn, Nuevo México. Para llegar al lugar de la descarga desde Vaughn, New Mexico, desde la intersección de US-285 (8th Street) y Magnolia St., New Mexico: viajar sobre US-285 S (8th Street) y continuar a seguir US-285 S por 29.1 millas; dar vuelta a la derecha por 2.3 millas; dar vuelta a la izquierda por 0.2 millas; y dar vuelta a la derecha por 0.6 millas (todas son calles sin nombre). El área de descarga estará sobre la derecha. La prueba hidro-estática está programada para Noviembre 4, 2013 con la descarga del agua de prueba programada para aproximadamente Noviembre 15, 2013.

La nueva tubería, llamada Western Expansion Pipeline (WEP) III, Segmento 5, será probada hidro-estáticamente. Hasta 340,000 galones de agua municipal (sin previo uso) obtenida del Sistema de Agua Vaughn Duran y serán transportados al sitio y bombeados con manguera a 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 hacia el norte (aprobado por el dueño de la propiedad).

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

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

Datos limitados acerca del nivel freático más cercano a la superficie del suelo estaban disponibles de pozos localizados cerca del sitio de descarga. En base a una revisión de literatura, y 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 95 a 107 pies debajo de la superficie. Concentración total de solidos disueltos en el nivel freático en la región varían de 2,100 a 2,300 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 de particular a este proyecto, 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 21 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); 100,800 gallons (6th tank); 184,800 gallons (11th tank); 268,800 gallons (16th tank); and 340,000 gallons (21st 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 21 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 122feet 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

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

Date: 9/5/2013

Source: ESRI World Imagery; ESRI, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community
Date of image: 10/12/2011
SPREAD3_IFC_8470SEG5_060313_CL.shp, SPREAD3_IFC_8470SEG5_060313_CROW.shp
provided by JFC Engineers & Surveyors on June 18, 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:	Seg5_FigureG1.mxd

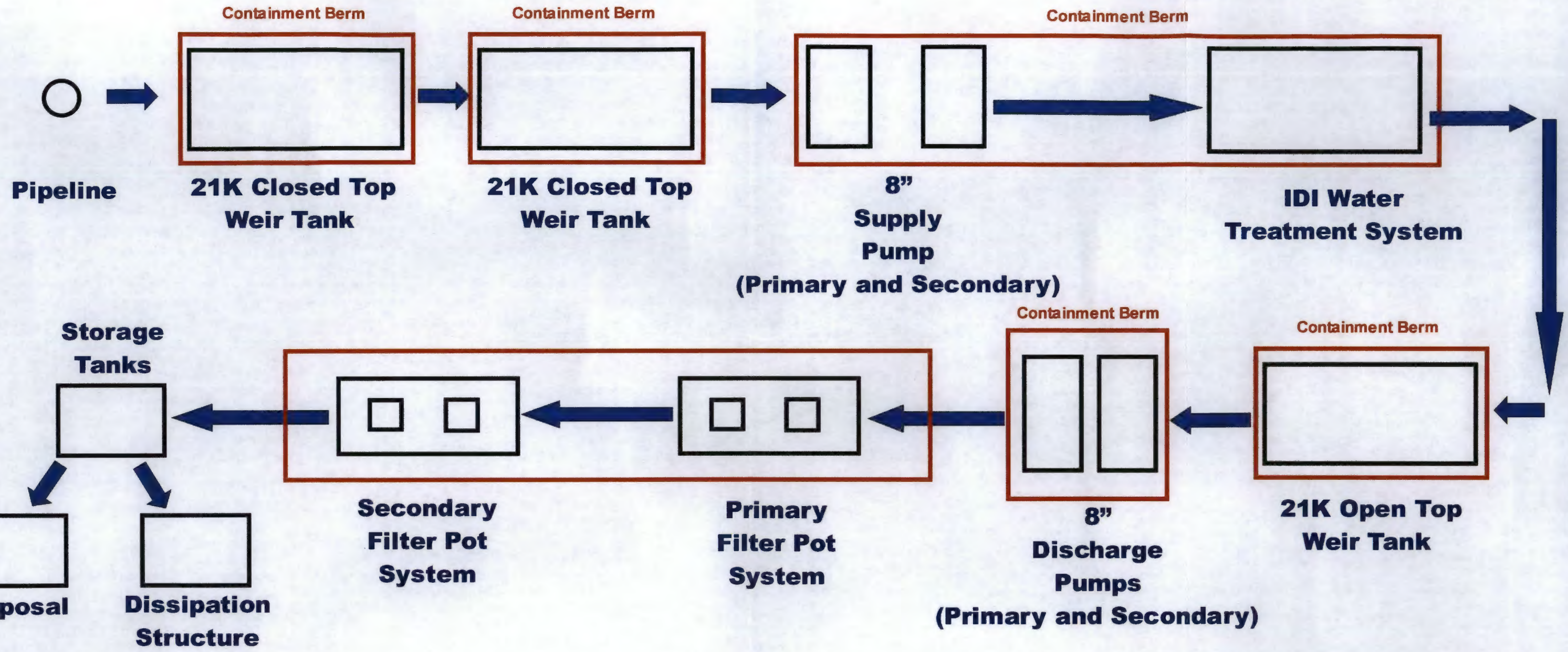
ELECTRO-COAGULATION TREATMENT AND DISCHARGE LOCATION, WEP III SEGMENT 5

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13

DRAWING CATEGORY: 1

FIGURE **G-1**



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

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

PROJECT NO.:	134288
DRAWN:	AUG 2013
DRAWN BY:	KFH
CHECKED BY:	ES
FILE NAME:	Seg5_FigureG2.mxd

PROCESS DIAGRAM
ELECTRO-COAGULATION FILTRATION SYSTEM

ENTERPRISE PRODUCTS OPERATING LLC
LINCOLN COUNTY, NEW MEXICO

ORIGINATOR: K. HAGAN
APPROVED BY: ES 9-30-13

DRAWING CATEGORY: 1

FIGURE
G-2

Date: 9/5/2013 User: KHagan

APPENDIX H

Vaughn Duran Water System Analytical Data

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1110C28-01A	**Collection Date :**	10-14-2011

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
1022	COPPER, FREE	200.8	N	MRL	.001 MG/L	0.0083 MG/L		
1030	LEAD	200.8	Y	MRL	.001 MG/L			

Total Number of Records Fetched = 2

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	0905229-02A	**Collection Date :**	05-11-2009

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	N	MRL	.001 MG/L	0.0046 MG/L	01-01-2008	12-31-2010
1010	BARIUM	200.7	N	MRL	.002 MG/L	0.0077 MG/L	01-01-2008	12-31-2010
1015	CADMIUM	200.7	Y	MRL	.002 MG/L		01-01-2008	12-31-2010
1020	CHROMIUM	200.7	Y	MRL	.006 MG/L		01-01-2008	12-31-2010
1035	MERCURY	245.1	Y	MRL	.0002 MG/L		01-01-2008	12-31-2010
1036	NICKEL	200.7	Y	MRL	.01 MG/L		01-01-2008	12-31-2010
1045	SELENIUM	200.8	N	MRL	.001 MG/L	0.0051 MG/L	01-01-2008	12-31-2010
1052	SODIUM	200.7	N	MRL	1 MG/L	44.00 MG/L		
1074	ANTIMONY, TOTAL	200.8	Y	MRL	.001 MG/L		01-01-2008	12-31-2010
1075	BERYLLIUM, TOTAL	200.7	Y	MRL	.002 MG/L		01-01-2008	12-31-2010
1085	THALLIUM, TOTAL	200.8	Y	MRL	.001 MG/L		01-01-2008	12-31-2010
1095	ZINC	200.7	Y	MRL	.01 MG/L			

Total Number of Records Fetched = 12

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1109053-01A	**Collection Date :**	08-25-2011

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
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	Y	MRL	0 UG/L		01-01-2011	12-31-2013

Total Number of Records Fetched = 5

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1304238-001A	**Collection Date :**	04-02-2013

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
2955	XYLENES, TOTAL	524.2	Y	MRL	1 UG/L		01-01-2013	12-31-2013

Total Number of Records Fetched = 1

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	1301824-001A	**Collection Date :**	01-22-2013

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	Y	MRL	1 MG/L		01-01-2013	12-31-2013

Total Number of Records Fetched = 1

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	2012003212	**Collection Date :**	01-24-2012

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	10-204-00-1X	Y	MRL	.005 MG/L		01-01-2011	12-31-2013

Total Number of Records Fetched = 1

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	2012003213	**Collection Date :**	01-24-2012

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	4500F-C	N	MRL	.1 MG/L	3.58 MG/L	01-01-2011	12-31-2013

Total Number of Records Fetched = 1

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	2012003214	**Collection Date :**	01-24-2012

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	N	MRL	.001 MG/L	0.007 MG/L	01-01-2011	12-31-2013
1010	BARIUM	200.8	Y	MRL	.1 MG/L		01-01-2011	12-31-2013
1015	CADMIUM	200.8	Y	MRL	.001 MG/L		01-01-2011	12-31-2013
1020	CHROMIUM	200.8	Y	MRL	.001 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	200.8	Y	MRL	.01 MG/L		01-01-2011	12-31-2013
1045	SELENIUM	200.9	Y	MRL	.005 MG/L		01-01-2011	12-31-2013
1052	SODIUM	200.7	N	MRL	1 MG/L	50.00 MG/L		
1074	ANTIMONY, TOTAL	200.8	Y	MRL	.001 MG/L		01-01-2011	12-31-2013
1075	BERYLLIUM, TOTAL	200.8	Y	MRL	.001 MG/L		01-01-2011	12-31-2013
1085	THALLIUM, TOTAL	200.8	Y	MRL	.001 MG/L		01-01-2011	12-31-2013

Total Number of Records Fetched = 11

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	2012003215	**Collection Date :**	01-24-2012

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	525.2	Y	MRL	.021 UG/L		01-01-2011	12-31-2013
2010	BHC-GAMMA	525.2	Y	MRL	.052 UG/L		01-01-2011	12-31-2013
2015	METHOXYCHLOR	525.2	Y	MRL	.041 UG/L		01-01-2011	12-31-2013
2020	TOXAPHENE	508.1	Y	MRL	.0299 UG/L		01-01-2011	12-31-2013
2031	DALAPON	515.4	Y	MRL	.93 UG/L		01-01-2011	12-31-2013
2032	DIQUAT	549.2	Y	MRL	.46 UG/L		01-01-2011	12-31-2013
2033	ENDOTHALL	548.1	Y	MRL	101.6 UG/L		01-01-2011	12-31-2013
2034	GLYPHOSATE	547	Y	MRL	6.4 UG/L		01-01-2011	12-31-2013
2035	DI(2-ETHYLHEXYL) ADIPATE	525.2	Y	MRL	.124 UG/L		01-01-2011	12-31-2013
2036	OXAMYL	531.2	Y	MRL	.58 UG/L		01-01-2011	12-31-2013
2037	SIMAZINE	525.2	Y	MRL	.072 UG/L		01-01-2011	12-31-2013
2039	DI(2-ETHYLHEXYL) PHTHALATE	525.2	Y	MRL	.093 UG/L		01-01-2011	12-31-2013
2040	PICLORAM	515.4	Y	MRL	.04 UG/L		01-01-2011	12-31-2013
2041	DINOSEB	515.4	Y	MRL	.34 UG/L		01-01-2011	12-31-2013
2042	HEXACHLOROCYCLOPENTADIENE	525.2	Y	MRL	.01 UG/L		01-01-2011	12-31-2013
2046	CARBOFURAN	531.2	Y	MRL	.65 UG/L		01-01-2011	12-31-2013
2050	ATRAZINE	525.2	Y	MRL	.041 UG/L		01-01-2011	12-31-2013
2051	LASSO	525.2	Y	MRL	.062 UG/L		01-01-2011	12-31-2013
2065	HEPTACHLOR	525.2	Y	MRL	.041 UG/L		01-01-2011	12-31-2013
2067	HEPTACHLOR EPOXIDE	525.2	Y	MRL	.041 UG/L		01-01-2011	12-31-2013
2105	2,4-D	515.4	Y	MRL	.17 UG/L		01-01-2011	12-31-2013
2110	2,4,5-TP	515.4	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2274	HEXACHLOROBENZENE	525.2	Y	MRL	.041 UG/L		01-01-2011	12-31-2013
2306	BENZO(A)PYRENE	525.2	Y	MRL	.021 UG/L		01-01-2011	12-31-2013
2326	PENTACHLOROPHENOL	515.4	Y	MRL	.02 UG/L		01-01-2011	12-31-2013
2383	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	508.1	Y	MRL	.0041 UG/L		01-01-2011	12-31-2013
2931	1,2-DIBROMO-3-CHLOROPROPANE	504.1	Y	MRL	.004 UG/L		01-01-2011	12-31-2013
2946	ETHYLENE DIBROMIDE	504.1	Y	MRL	.003 UG/L		01-01-2011	12-31-2013
2959	CHLORDANE	508.1	Y	MRL	.0072 UG/L		01-01-2011	12-31-2013

Total Number of Records Fetched = 29

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	2012003216	**Collection Date :**	01-24-2012

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	31.9 PCI/L	01-01-2011	12-31-2013
4002	GROSS ALPHA, INCL. RADON & U	SM 7110 B	N	MRL	.8 PCI/L	52.0 PCI/L		
4006	COMBINED URANIUM	200.8	N	MRL	1 UG/L	30.00 UG/L	01-01-2012	03-31-2012
4007	URANIUM-234	HASL-300	N	MRL	.09 PCI/L	43.84 PCI/L		
4009	URANIUM-238	HASL-300	N	MRL	.06 PCI/L	7.92 PCI/L		
4010	COMBINED RADIUM (-226 & -228)	null	null	MRL	null null	0.13 PCI/L	01-01-2011	12-31-2013
4020	RADIUM-226	903.1	N	MRL	.01 PCI/L	0.09 PCI/L		
4030	RADIUM-228	904.0	N	MRL	.14 PCI/L	0.04 PCI/L		
4100	GROSS BETA PARTICLE ACTIVITY	SM 7110 B	N	MRL	1.2 PCI/L	13.7 PCI/L		

Total Number of Records Fetched = 9

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	2012012912	**Collection Date :**	04-10-2012

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	.11 UG/L		01-01-2011	12-31-2013
2380	CIS-1,2-DICHLOROETHYLENE	524.2	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2955	XYLENES, TOTAL	524.2	Y	MRL	.07 UG/L		01-01-2012	12-31-2012
2964	DICHLOROMETHANE	524.2	Y	MRL	.11 UG/L		01-01-2011	12-31-2013
2968	O-DICHLOROBENZENE	524.2	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2969	P-DICHLOROBENZENE	524.2	Y	MRL	.06 UG/L		01-01-2011	12-31-2013
2976	VINYL CHLORIDE	524.2	Y	MRL	.22 UG/L		01-01-2011	12-31-2013
2977	1,1-DICHLOROETHYLENE	524.2	Y	MRL	.11 UG/L		01-01-2011	12-31-2013
2979	TRANS-1,2-DICHLOROETHYLENE	524.2	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2980	1,2-DICHLOROETHANE	524.2	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2981	1,1,1-TRICHLOROETHANE	524.2	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2982	CARBON TETRACHLORIDE	524.2	Y	MRL	.06 UG/L		01-01-2011	12-31-2013
2983	1,2-DICHLOROPROPANE	524.2	Y	MRL	.08 UG/L		01-01-2011	12-31-2013
2984	TRICHLOROETHYLENE	524.2	Y	MRL	.06 UG/L		01-01-2011	12-31-2013
2985	1,1,2-TRICHLOROETHANE	524.2	Y	MRL	.08 UG/L		01-01-2011	12-31-2013
2987	TETRACHLOROETHYLENE	524.2	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2989	CHLOROBENZENE	524.2	Y	MRL	.06 UG/L		01-01-2011	12-31-2013
2990	BENZENE	524.2	Y	MRL	.07 UG/L		01-01-2011	12-31-2013
2991	TOLUENE	524.2	Y	MRL	.06 UG/L		01-01-2011	12-31-2013
2992	ETHYLBENZENE	524.2	Y	MRL	.06 UG/L		01-01-2011	12-31-2013
2996	STYRENE	524.2	Y	MRL	.08 UG/L		01-01-2011	12-31-2013

Total Number of Records Fetched = 21

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	OR200600814	**Collection Date :**	04-26-2006

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	524.2	Y	MRL	.071 UG/L	null		
2210	CHLOROMETHANE	524.2	Y	MRL	.351 UG/L	null		
2212	DICHLORODIFLUOROMETHANE	524.2	Y	MRL	.269 UG/L	null		
2214	BROMOMETHANE	524.2	Y	MRL	.494 UG/L	null		
2216	CHLOROETHANE	524.2	Y	MRL	.342 UG/L	null		
2218	TRICHLOROFLUOROMETHANE	524.2	Y	MRL	.126 UG/L	null		
2224	TRANS-1,3-DICHLOROPROPENE	null	Y	MRL	.096 UG/L	null		
2246	HEXACHLOROBUTADIENE	524.2	Y	MRL	.129 UG/L	null		
2247	METHYL ETHYL KETONE	null	N		0 null	3.94 UG/L		
2248	NAPHTHALENE	524.2	Y	MRL	.162 UG/L	null		
2251	METHYL TERT-BUTYL ETHER	null	Y	MRL	.102 UG/L	null		
2254	NITROBENZENE	null	Y	MRL	3.299 UG/L	null		
2263	TETRAHYDROFURAN	null	Y	MRL	1.153 UG/L	null		
2378	1,2,4-TRICHLOROBENZENE	524.2	Y	MRL	.133 UG/L	null	01-01-2005	12-31-2007
2380	CIS-1,2-DICHLOROETHYLENE	524.2	Y	MRL	.103 UG/L	null	01-01-2005	12-31-2007
2408	DIBROMOMETHANE	524.2	Y	MRL	.111 UG/L	null		
2410	1,1-DICHLOROPROPENE	524.2	Y	MRL	.108 UG/L	null		
2412	1,3-DICHLOROPROPANE	524.2	Y	MRL	.054 UG/L	null		
2413	1,3-DICHLOROPROPENE	524.2	Y	MRL	.079 UG/L	null		
2414	1,2,3-TRICHLOROPROPANE	524.2	Y	MRL	.085 UG/L	null		
2416	2,2-DICHLOROPROPANE	524.2	Y	MRL	.332 UG/L	null		
2418	1,2,4-TRIMETHYLBENZENE	524.2	Y	MRL	.06 UG/L	null		
2420	1,2,3-TRICHLOROBENZENE	524.2	Y	MRL	.117 UG/L	null		
2422	N-BUTYLBENZENE	524.2	Y	MRL	.122 UG/L	null		
2424	1,3,5-TRIMETHYLBENZENE	524.2	Y	MRL	.058 UG/L	null		
2426	TERT-BUTYLBENZENE	524.2	Y	MRL	.056 UG/L	null		
2428	SEC-BUTYLBENZENE	524.2	Y	MRL	.073 UG/L	null		
2430	BROMOCHLOROMETHANE	524.2	Y	MRL	.118 UG/L	null		
2931	1,2-DIBROMO-3-CHLOROPROPANE	null	Y	MRL	.143 UG/L	null		
2941	CHLOROFORM	524.2	Y	MRL	.119 UG/L	null		
2942	BROMOFORM	524.2	N		0 null	2.3 UG/L		
2943	BROMODICHLOROMETHANE	524.2	N		0 null	0.44 UG/L		
2944	DIBROMOCHLOROMETHANE	524.2	N		0 null	1.35 UG/L		
2946	ETHYLENE DIBROMIDE	null	Y	MRL	.054 UG/L	null		
2950	TTHM	524.2	N		0 null	4.09 UG/L		
2955	XYLENES, TOTAL	524.2	N		0 null	0 UG/L	01-01-2005	12-31-2007
2964	DICHLOROMETHANE	524.2	Y	MRL	.405 UG/L	null	01-01-2005	12-31-2007

2965	O-CHLOROTOLUENE	524.2	Y	MRL	.054 UG/L	null		
2966	P-CHLOROTOLUENE	524.2	Y	MRL	.138 UG/L	null		
2967	M-DICHLOROBENZENE	524.2	Y	MRL	.079 UG/L	null		
2968	O-DICHLOROBENZENE	524.2	Y	MRL	.071 UG/L	null	01-01-2005	12-31-2007
2969	P-DICHLOROBENZENE	524.2	Y	MRL	.077 UG/L	null	01-01-2005	12-31-2007
2976	VINYL CHLORIDE	524.2	Y	MRL	.221 UG/L	null	01-01-2005	12-31-2007
2977	1,1-DICHLOROETHYLENE	524.2	Y	MRL	.121 UG/L	null	01-01-2005	12-31-2007
2978	1,1-DICHLOROETHANE	524.2	Y	MRL	.119 UG/L	null		
2979	TRANS-1,2-DICHLOROETHYLENE	524.2	Y	MRL	.095 UG/L	null	01-01-2005	12-31-2007
2980	1,2-DICHLOROETHANE	524.2	Y	MRL	.093 UG/L	null	01-01-2005	12-31-2007
2981	1,1,1-TRICHLOROETHANE	524.2	Y	MRL	.115 UG/L	null	01-01-2005	12-31-2007
2982	CARBON TETRACHLORIDE	524.2	Y	MRL	.143 UG/L	null	01-01-2005	12-31-2007
2983	1,2-DICHLOROPROPANE	524.2	Y	MRL	.098 UG/L	null	01-01-2005	12-31-2007
2984	TRICHLOROETHYLENE	524.2	Y	MRL	.113 UG/L	null	01-01-2005	12-31-2007
2985	1,1,2-TRICHLOROETHANE	524.2	Y	MRL	.056 UG/L	null	01-01-2005	12-31-2007
2986	1,1,1,2-TETRACHLOROETHANE	524.2	Y	MRL	.057 UG/L	null		
2987	TETRACHLOROETHYLENE	524.2	Y	MRL	.073 UG/L	null	01-01-2005	12-31-2007
2988	1,1,2,2-TETRACHLOROETHANE	524.2	Y	MRL	.069 UG/L	null		
2989	CHLOROBENZENE	524.2	Y	MRL	.05 UG/L	null	01-01-2005	12-31-2007
2990	BENZENE	524.2	Y	MRL	.098 UG/L	null	01-01-2005	12-31-2007
2991	TOLUENE	524.2	Y	MRL	.055 UG/L	null	01-01-2005	12-31-2007
2992	ETHYLBENZENE	524.2	Y	MRL	.052 UG/L	null	01-01-2005	12-31-2007
2993	BROMOBENZENE	524.2	Y	MRL	.067 UG/L	null		
2994	ISOPROPYLBENZENE	524.2	Y	MRL	.059 UG/L	null		
2995	M-XYLENE	524.2	Y	MRL	.112 UG/L	null		
2996	STYRENE	524.2	Y	MRL	.056 UG/L	null	01-01-2005	12-31-2007
2997	O-XYLENE	524.2	Y	MRL	.052 UG/L	null		
2998	N-PROPYLBENZENE	524.2	Y	MRL	.08 UG/L	null		

Total Number of Records Fetched = 65

Drinking Water Branch

Chem/Rad Sample Results

Return Links

Chem/Rad Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	NM3515310	**Federal Type :**	C
Water System Name :	VAUGHN DURAN WATER SYSTEM	**State Type :**	C
Principal County Served :	GUADALUPE	**Primary Source :**	GW
Status :	A	**Activity Date :**	06-01-1977
Lab Sample No. :	WC962674	**Collection Date :**	05-06-1996

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	125 MG/L		

Total Number of Records Fetched = 1