HIP - __134__

GENERAL CORRESPONDENCE

YEAR(S): 2014 to Present

505 East Huntland Drive
Suite 250
Austin, TX 78752

512.329.6080 Phone
512.329.8750 Fax

www.TRCsolutions.com

July 14, 2014

Mr. Brad Jones, Environmental Engineer
Oil Conservation Division
1220 St. Francis Drive
Santa Fe, New Mexico 87505

Re: **Hydrostatic Test Wastewater Permit HIP-134, Holly Energy Partners Beeson Station Above Ground Storage Tank Project, Eddy County, New Mexico**

Dear Mr. Jones:

On behalf of Holly Energy Partners, Operating L.P. (HEP), TRC Environmental Corporation (TRC) has submitted a Notice of Intent (NOI) for a hydrostatic test to be conducted on the Beeson Station Above Ground Storage Tank (AST). The permit was received from the Oil Conservation Division on July 14, 2014. A check in the amount of $600.00 is attached for the permit fee.

If you have any questions or comments, please contact either Adrienne Boer at 512-684-3184, or Allison Stockweather with HEP at (575) 746-5475.

Sincerely,

Adrienne Boer

Adrienne Boer
Program Manager

cc: Allison Stockweather, HEP

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of Check No. 1020059 dated 5/9/14

or cash received on 7/15/14 in the amount of $ 600.00

from TRC

for HIP - 134

Submitted by: BRAD JONES Date: 7/15/14

Submitted to ASD by: LUPE SHERMAN Date: 7/15/14

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility: _____ Renewal: _____

Modification _____ Other ✓ PERMIT FEE

Organization Code 521.07 Applicable FY 15

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:
7/15/14		✓	TRC	5/9/14	1020059		$600.00		
TOTAL							$600.00		

REVENUE TRANSMITTAL SHEET

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

Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Tuesday, July 15, 2014 2:06 PM
To: 'Glass, Teal'; Stockweather, Allison
Cc: clemente.vasquez@hollyenergy.com; Boer, Adrienne
Subject: RE: FedEx Shipment 770600703294 Delivered
Attachments: Radiation.pdf; Rpt_1406A71_Final_v2.pdf

Teal,

OCD has received the permit fee of $600.00. Permit HIP-134 is now valid. OCD hereby approves the discharge in accordance with the conditions of Permit HIP-134 and based upon the attached updated and revised laboratory analytical results provided to OCD in an email from TRC, dated July 7, 2014. If you have any questions regarding this matter, please do not hesitate to contact me.

Brad

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Glass, Teal [mailto:TGlass@trcsolutions.com]
Sent: Tuesday, July 15, 2014 12:42 PM
To: Jones, Brad A., EMNRD
Cc: clemente.vasquez@hollyenergy.com
Subject: RE: FedEx Shipment 770600703294 Delivered

Thanks Brad.

From: Jones, Brad A., EMNRD [mailto:brad.a.jones@state.nm.us]
Sent: Tuesday, July 15, 2014 1:36 PM
To: Glass, Teal
Subject: RE: FedEx Shipment 770600703294 Delivered

Teal,

All mail is accepted and processed through the Energy Minerals and Natural Resources Department mail room when delivered to the Wendell Chino Building. Then each Division's mail person is contacted to pick up the mail. OCD's mail person is currently at lunch and there is no mail in my mailbox. I will check with her about the FedEx package upon her return.

Brad

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Glass, Teal [mailto:TGlass@trcsolutions.com]
Sent: Tuesday, July 15, 2014 10:12 AM
To: Jones, Brad A., EMNRD
Cc: clemente.vasquez@hollyenergy.com; Boer, Adrienne
Subject: FW: FedEx Shipment 770600703294 Delivered

Hi Brad,
I received the Fed Ex notice below that your office has received the check for the permit fee for the Beeson Tank. Is HEP now ok to discharge?
Thanks,
Teal

From: trackingupdates@fedex.com [mailto:trackingupdates@fedex.com]
Sent: Tuesday, July 15, 2014 11:06 AM
To: Glass, Teal
Subject: FedEx Shipment 770600703294 Delivered

fedex.com | Ship | Track | Manage | Learn | Office/Print Services

Your package has been delivered

Tracking # 770600703294

Ship (P/U) date:
Monday, 7/14/14

Roxanne Cable
TRC Environmental Corporation
Austin, TX 78752
US

Delivered

Delivery date:
Tuesday, 7/15/14 10:01 AM

Mr. Brad Jones,
Environmental Eng.
NM OilConservationDiv.,
Env.Bureau
1220 S SAINT FRANCIS DR
SANTA FE, NM 87505
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770600703294
Status:	Delivered: 07/15/2014 10:01 AM Signed for By: S.MARTINEZ
Reference:	216228.0000.0000 000003
Signed for by:	S.MARTINEZ
Delivery location:	SANTA FE, NM
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Deliver Weekday

☐ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:06 AM CDT on 07/15/2014.

To learn more about FedEx Express, please go to fedex.com.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or go to fedex.com.

This tracking update has been sent to you by FedEx at your request. FedEx does not validate the authenticity of the requestor and does not validate, guarantee or warrant the authenticity of the request, the requestor's message, or the accuracy of this tracking update. For tracking results and terms of use, go to fedex.com.

Thank you for your business.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 08, 2014

Cindy Crain
Holly Energy Partners
1602 W. Main
Artesia, NM 88240
TEL: (432) 230-6789
FAX

RE: Beeson Station OrderNo.: 1406C01

Dear Cindy Crain:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/26/2014 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: 1406C01
Pace Project No.: 30123825

Sample: 1406C01-001A Beeson Satalon Wa **Lab ID: 30123825001** Collected: 06/25/14 12:05 Received: 06/28/14 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	**0.000 ± 0.379 (0.849) C:NA T:99%**	pCi/L	07/07/14 13:47	13982-63-3	
Radium-228	EPA 904.0	**0.654 ± 0.364 (0.659) C:77% T:90%**	pCi/L	07/07/14 11:28	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: 1406C01
Pace Project No.: 30123825

QC Batch: RADC/20361
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30123825001

METHOD BLANK: 751700
Matrix: Water
Associated Lab Samples: 30123825001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.209 ± 0.555. (0.990) C:NA T:90%	pCi/L	07/07/14 13:54	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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: 1406C01
Pace Project No.: 30123825

QC Batch: RADC/20363
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30123825001

METHOD BLANK: 751702
Matrix: Water
Associated Lab Samples: 30123825001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.670 ± 0.355 (0.635) C:81% T:92%	pCi/L	07/07/14 11:26	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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: Holly Energy Partners Work Order Number: 1406C01 RcptNo: 1

Received by/date: CS 06/26/14

Logged By: Lindsay Mangin 6/26/2014 9:10:00 AM

Completed By: Lindsay Mangin 6/26/2014 9:17:58 AM

Reviewed By: 06/26/14

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?	FedEx		

Log In

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

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

Adjusted? no

Checked by: CS

Special Handling (if applicable)

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

Person Notified: ____ Date: ____

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

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

At 06/26/14

Client: Holly Energy Partners

Turn-Around Time: ASAP
☐ Standard ☒ Rush 6/27/14

Project Name: Beeson Station

Project #:

Mailing Address: 1602 W. Main
Artesia, NM 88240

Phone #: 575-748-8973

email or Fax#: clem.vasquez@hollyenergy.com

Project Manager: Cindy Crain
2626 SBS Pkwy Ste. B102
Odessa, TX 79761

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

Accreditation
☒ NELAP ☐ Other _____
☐ EDD (Type) _____

Sampler:
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.0°

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. 1406C01	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)
6/25/14	1205	W	Beeson Station Water Tank 2-12		HNO_3	-001												X				

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/25/14	1400		Celina Sena	06/26/14	09:10
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:
cindy.crain@urs.com
clem.vasquez@hollyenergy.com

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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

July 08, 2014

Cindy Crain
Holly Energy Partners
1602 W. Main
Artesia, NM 88210
TEL: (432) 230-6789
FAX

RE: Beeson Station OrderNo.: 1406A71

Dear Cindy Crain:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/24/2014 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued June 30, 2014.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Holly Energy Partners
Project: Beeson Station
Lab ID: 1406A71-001 **Matrix:** AQUEOUS

Client Sample ID: Beeson Station Water Tank
Collection Date: 6/23/2014 12:10:00 PM
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8011/504.1: EDB							Analyst: **LRW**	
1,2-Dibromoethane	ND	0.0045	0.010		µg/L	1	6/25/2014 1:56:57 PM	13885
EPA METHOD 8082: PCB'S							Analyst: **SCC**	
Aroclor 1016	ND	0.21	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1221	ND	0.70	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1232	ND	0.76	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1242	ND	0.41	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1248	ND	0.57	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1254	ND	0.97	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1260	ND	0.48	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Surr: Decachlorobiphenyl	78.4	0	33.2-131		%REC	1	6/25/2014 3:10:45 PM	13888
Surr: Tetrachloro-m-xylene	64.4	0	34.7-138		%REC	1	6/25/2014 3:10:45 PM	13888
EPA METHOD 8310: PAHS							Analyst: **SCC**	
Naphthalene	ND	1.1	2.0		µg/L	1	6/25/2014 2:27:14 PM	13889
1-Methylnaphthalene	ND	1.2	2.0		µg/L	1	6/25/2014 2:27:14 PM	13889
2-Methylnaphthalene	ND	1.3	2.0		µg/L	1	6/25/2014 2:27:14 PM	13889
Acenaphthylene	ND	1.5	2.5		µg/L	1	6/25/2014 2:27:14 PM	13889
Acenaphthene	ND	1.2	5.0		µg/L	1	6/25/2014 2:27:14 PM	13889
Fluorene	ND	0.23	0.80		µg/L	1	6/25/2014 2:27:14 PM	13889
Phenanthrene	ND	0.19	0.60		µg/L	1	6/25/2014 2:27:14 PM	13889
Anthracene	ND	0.13	0.60		µg/L	1	6/25/2014 2:27:14 PM	13889
Fluoranthene	ND	0.25	0.30		µg/L	1	6/25/2014 2:27:14 PM	13889
Pyrene	ND	0.24	0.30		µg/L	1	6/25/2014 2:27:14 PM	13889
Benz(a)anthracene	ND	0.042	0.070		µg/L	1	6/25/2014 2:27:14 PM	13889
Chrysene	ND	0.074	0.20		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(b)fluoranthene	ND	0.053	0.10		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(k)fluoranthene	ND	0.036	0.070		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(a)pyrene	ND	0.031	0.070		µg/L	1	6/25/2014 2:27:14 PM	13889
Dibenz(a,h)anthracene	ND	0.043	0.12		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(g,h,i)perylene	ND	0.075	0.12		µg/L	1	6/25/2014 2:27:14 PM	13889
Indeno(1,2,3-cd)pyrene	ND	0.062	0.25		µg/L	1	6/25/2014 2:27:14 PM	13889
Surr: Benzo(e)pyrene	88.0	0	32.1-134		%REC	1	6/25/2014 2:27:14 PM	13889
EPA METHOD 300.0: ANIONS							Analyst: **JRR**	
Fluoride	0.57	0.018	0.10		mg/L	1	6/24/2014 1:05:55 PM	R19500
Chloride	45	5.0	10		mg/L	20	6/24/2014 1:43:09 PM	R19500
Nitrogen, Nitrate (As N)	3.2	0.0068	0.10		mg/L	1	6/24/2014 1:05:55 PM	R19500
Sulfate	37	0.068	0.50		mg/L	1	6/24/2014 1:05:55 PM	R19500
EPA METHOD 200.7: DISSOLVED METALS							Analyst: **JLF**	

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Holly Energy Partners
Client Sample ID: Beeson Station Water Tank
Project: Beeson Station
Collection Date: 6/23/2014 12:10:00 PM
Lab ID: 1406A71-001
Matrix: AQUEOUS
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 200.7: DISSOLVED METALS							Analyst: **JLF**	
Aluminum	ND	0.0042	0.020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Barium	0.11	0.00021	0.0020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Boron	0.066	0.0020	0.040		mg/L	1	6/24/2014 3:28:22 PM	R19480
Cadmium	ND	0.000051	0.0020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Chromium	ND	0.00026	0.0060		mg/L	1	6/24/2014 3:28:22 PM	R19480
Cobalt	ND	0.0011	0.0060		mg/L	1	6/24/2014 3:28:22 PM	R19480
Copper	ND	0.00014	0.0060		mg/L	1	6/24/2014 3:28:22 PM	R19480
Iron	0.43	0.0062	0.020	*	mg/L	1	6/24/2014 3:28:22 PM	R19480
Manganese	0.029	0.00055	0.0020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Molybdenum	ND	0.0050	0.0080		mg/L	1	6/24/2014 3:28:22 PM	R19480
Nickel	ND	0.0050	0.010		mg/L	1	6/24/2014 3:28:22 PM	R19480
Silver	ND	0.0040	0.0050		mg/L	1	6/24/2014 3:28:22 PM	R19480
Zinc	0.0089	0.0014	0.010	J	mg/L	1	6/24/2014 3:28:22 PM	R19480
EPA 200.8: DISSOLVED METALS							Analyst: **TES**	
Arsenic	0.0040	0.00011	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
Lead	ND	0.000059	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
Selenium	0.0040	0.00015	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
Uranium	0.0016	0.000050	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
EPA METHOD 245.1: MERCURY							Analyst: **MMD**	
Mercury	ND	0.000087	0.00020		mg/L	1	6/27/2014 3:00:48 PM	13930
EPA METHOD 8260B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.15	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Toluene	ND	0.17	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Ethylbenzene	ND	0.13	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Methyl tert-butyl ether (MTBE)	ND	0.25	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2,4-Trimethylbenzene	ND	0.12	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,3,5-Trimethylbenzene	ND	0.13	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dichloroethane (EDC)	ND	0.26	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dibromoethane (EDB)	ND	0.10	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Naphthalene	ND	0.14	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1-Methylnaphthalene	ND	0.44	4.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Methylnaphthalene	ND	0.56	4.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Acetone	ND	4.9	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromobenzene	ND	0.18	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromodichloromethane	ND	0.16	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromoform	ND	0.25	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromomethane	ND	0.41	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Butanone	ND	1.4	10		µg/L	1	6/26/2014 2:40:19 AM	R19514

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Holly Energy Partners
Project: Beeson Station
Lab ID: 1406A71-001 **Matrix:** AQUEOUS

Client Sample ID: Beeson Station Water Tank
Collection Date: 6/23/2014 12:10:00 PM
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES							Analyst: **RAA**	
Carbon disulfide	ND	0.74	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Carbon Tetrachloride	ND	0.14	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chlorobenzene	ND	0.14	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chloroethane	ND	0.48	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chloroform	ND	0.32	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chloromethane	ND	0.52	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Chlorotoluene	ND	0.13	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
4-Chlorotoluene	ND	0.87	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
cis-1,2-DCE	ND	0.12	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
cis-1,3-Dichloropropene	ND	0.17	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dibromo-3-chloropropane	ND	0.22	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Dibromochloromethane	ND	0.12	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Dibromomethane	ND	0.19	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dichlorobenzene	ND	0.13	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,3-Dichlorobenzene	ND	0.17	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,4-Dichlorobenzene	ND	0.26	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Dichlorodifluoromethane	ND	0.23	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1-Dichloroethane	ND	0.28	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1-Dichloroethene	ND	0.21	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dichloropropane	ND	0.21	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,3-Dichloropropane	ND	0.18	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2,2-Dichloropropane	ND	0.27	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1-Dichloropropene	ND	0.23	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Hexachlorobutadiene	ND	0.28	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Hexanone	ND	0.86	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Isopropylbenzene	ND	0.16	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
4-Isopropyltoluene	ND	0.18	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
4-Methyl-2-pentanone	ND	1.1	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Methylene Chloride	ND	0.27	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
n-Butylbenzene	ND	0.21	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
n-Propylbenzene	ND	0.14	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
sec-Butylbenzene	ND	0.15	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Styrene	ND	0.12	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
tert-Butylbenzene	ND	0.14	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,1,2-Tetrachloroethane	ND	0.12	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,2,2-Tetrachloroethane	ND	0.22	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Tetrachloroethene (PCE)	ND	0.20	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
trans-1,2-DCE	ND	0.25	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
trans-1,3-Dichloropropene	ND	0.18	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Holly Energy Partners
Client Sample ID: Beeson Station Water Tank
Project: Beeson Station
Collection Date: 6/23/2014 12:10:00 PM
Lab ID: 1406A71-001
Matrix: AQUEOUS
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260B: VOLATILES							Analyst: **RAA**	
1,2,3-Trichlorobenzene	ND	0.18	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2,4-Trichlorobenzene	ND	0.30	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,1-Trichloroethane	ND	0.12	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,2-Trichloroethane	ND	0.14	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Trichloroethene (TCE)	ND	0.19	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Trichlorofluoromethane	ND	0.13	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2,3-Trichloropropane	ND	0.19	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Vinyl chloride	ND	0.46	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Xylenes, Total	ND	0.38	1.5		µg/L	1	6/26/2014 2:40:19 AM	R19514
Surr: 1,2-Dichloroethane-d4	89.1	0	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
Surr: 4-Bromofluorobenzene	98.5	0	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
Surr: Dibromofluoromethane	96.8	0	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
Surr: Toluene-d8	92.7	0	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
TOTAL PHENOLICS BY SW-846 9067							Analyst: **SCC**	
Phenolics, Total Recoverable	ND	1.7	2.5		µg/L	1	6/26/2014	13905
SM4500-H+B: PH							Analyst: **JRR**	
pH	7.51	0.100	1.68	H	pH units	1	6/26/2014 1:07:14 PM	R19544
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: **KS**	
Total Dissolved Solids	326	9.84	20.0		mg/L	1	6/26/2014 6:07:00 PM	13892

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

ESC
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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

June 27, 2014

Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

ESC Sample # : L706721-01

Date Received : June 25, 2014
Description :

Site ID :

Sample ID : 1406A71-001I BEESON STATION WATER TANK

Project # :

Collected By :
Collection Date : 06/23/14 12:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Cyanide	BDL	0.0050	mg/l	4500CN E-2011	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

.
Reported: 06/27/14 08:52 Printed: 06/27/14 08:52

ESC
L·A·B S·C·I·E·N·C·E·S
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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Hall Environmental Analysis Laboratory

4901 Hawkins NE

Albuquerque, NM 87109

Quality Assurance Report
Level II

L706721

June 27, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Cyanide	< .005	mg/l			WG728569	06/26/14 16:12

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Cyanide	mg/l	0.0	0.0	0.0	20	L706297-02	WG728569
Cyanide	mg/l	0.0	0.0	0.0	20	L705634-01	WG728569

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Cyanide	mg/l	.1	0.0975	97.5	90-110	WG728569

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Cyanide	mg/l	0.0959	0.0975	96.0	90-110	1.65	20	WG728569

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Cyanide	mg/l	0.198	0.0	.2	99.0	90-110	L705925-02	WG728569

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Cyanide	mg/l	0.193	0.198	96.5	90-110	2.56	20	L705925-02	WG728569

Batch number /Run number / Sample number cross reference

WG728569: R2950405: L706721-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563724** 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	0.00031	0.0020								J
Chromium	ND	0.0060								
Cobalt	ND	0.0060								
Copper	0.00080	0.0060								J
Iron	ND	0.020								
Manganese	ND	0.0020								
Molybdenum	ND	0.0080								
Nickel	0.0020	0.010								J
Silver	ND	0.0050								
Zinc	ND	0.010								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563725** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.49	0.020	0.5000	0	98.9	85	115			
Barium	0.49	0.0020	0.5000	0	97.6	85	115			
Boron	0.51	0.040	0.5000	0	102	85	115			
Cadmium	0.49	0.0020	0.5000	0	98.0	85	115			
Chromium	0.49	0.0060	0.5000	0	98.0	85	115			
Cobalt	0.49	0.0060	0.5000	0	97.3	85	115			
Copper	0.49	0.0060	0.5000	0	98.0	85	115			
Iron	0.49	0.020	0.5000	0	98.6	85	115			
Manganese	0.51	0.0020	0.5000	0	101	85	115			
Molybdenum	0.48	0.0080	0.5000	0	95.4	85	115			
Nickel	0.48	0.010	0.5000	0	95.2	85	115			
Silver	0.096	0.0050	0.1000	0	95.8	85	115			
Zinc	0.50	0.010	0.5000	0	99.5	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563753** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.0043	0.020								J
Barium	ND	0.0020								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563753** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	ND	0.040								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Cobalt	ND	0.0060								
Copper	0.00089	0.0060								J
Iron	ND	0.020								
Manganese	ND	0.0020								
Molybdenum	ND	0.0080								
Nickel	0.00013	0.010								J
Silver	ND	0.0050								
Zinc	ND	0.010								

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563754** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.48	0.020	0.5000	0	95.4	85	115			
Barium	0.47	0.0020	0.5000	0	94.9	85	115			
Boron	0.49	0.040	0.5000	0	98.6	85	115			
Cadmium	0.48	0.0020	0.5000	0	95.9	85	115			
Chromium	0.47	0.0060	0.5000	0	94.9	85	115			
Cobalt	0.47	0.0060	0.5000	0	94.9	85	115			
Copper	0.48	0.0060	0.5000	0	96.0	85	115			
Iron	0.49	0.020	0.5000	0	98.1	85	115			
Manganese	0.49	0.0020	0.5000	0	98.6	85	115			
Molybdenum	0.48	0.0080	0.5000	0	96.2	85	115			
Nickel	0.48	0.010	0.5000	0	95.6	85	115			
Silver	0.094	0.0050	0.1000	0	93.5	85	115			
Zinc	0.50	0.010	0.5000	0	99.2	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **LCS"**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R19572**	RunNo: **19572**
Prep Date:	Analysis Date: **6/30/2014**	SeqNo: **567188** 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	99.0	85	115			
Lead	0.025	0.0010	0.02500	0	100	85	115			
Selenium	0.026	0.0010	0.02500	0	102	85	115			
Uranium	0.024	0.0010	0.02500	0	98.0	85	115			

Sample ID **MB"**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19572**	RunNo: **19572**
Prep Date:	Analysis Date: **6/30/2014**	SeqNo: **567190** 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								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13930**	SampType: **MBLK**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **PBW**	Batch ID: **13930**	RunNo: **19549**
Prep Date: **6/27/2014**	Analysis Date: **6/27/2014**	SeqNo: **566235** Units: **mg/L**

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

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564242** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564243** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.48	0.10	0.5000	0	96.3	90	110			
Chloride	4.9	0.50	5.000	0	97.8	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	103	90	110			
Sulfate	10	0.50	10.00	0	101	90	110			

Sample ID **1406A71-001FMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Beeson Station Wat**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564249** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	0.5000	0.5656	91.9	72.7	110			
Nitrogen, Nitrate (As N)	5.9	0.10	2.500	3.156	110	87.8	111			
Sulfate	49	0.50	10.00	37.28	113	90.4	111			S

Sample ID **1406A71-001FMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Beeson Station Wat**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564250** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	0.5000	0.5656	91.4	72.7	110	0.264	20	
Nitrogen, Nitrate (As N)	5.9	0.10	2.500	3.156	109	87.8	111	0.209	20	
Sulfate	49	0.50	10.00	37.28	113	90.4	111	0.0488	20	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13885**	SampType: **MBLK**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW**	Batch ID: **13885**	RunNo: **19492**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564194** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.0060	0.010								J

Sample ID **LCS-13885**	SampType: **LCS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW**	Batch ID: **13885**	RunNo: **19492**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564207** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.094	0.010	0.1000	0	94.0	70	130			

Sample ID **LCSD-13885**	SampType: **LCSD**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSS02**	Batch ID: **13885**	RunNo: **19492**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564208** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.093	0.010	0.1000	0	93.0	70	130	1.07	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13888**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **13888**	RunNo: **19476**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564364** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	2.0		2.500		79.2	33.2	131			
Surr: Tetrachloro-m-xylene	1.7		2.500		68.8	34.7	138			

Sample ID **LCS-13888**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **13888**	RunNo: **19476**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564366** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.2	1.0	5.000	0	63.2	15	134			
Aroclor 1260	3.8	1.0	5.000	0	76.7	32.1	148			
Surr: Decachlorobiphenyl	2.1		2.500		82.8	33.2	131			
Surr: Tetrachloro-m-xylene	1.8		2.500		72.0	34.7	138			

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **5mL-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564801** 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	2.3	10								J
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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **5mL-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564801** 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		93.9	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.3	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.0	70	130			
Surr: Toluene-d8	9.0		10.00		90.0	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564815** 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	21	1.0	20.00	0	107	80	120			
Chlorobenzene	20	1.0	20.00	0	102	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **100ng lcs**	SampType: **LCS**			TestCode: **EPA Method 8260B: VOLATILES**					
Client ID: **LCSW**	Batch ID: **R19514**			RunNo: **19514**					
Prep Date:	Analysis Date: **6/25/2014**			SeqNo: **564815**		Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	1.0	20.00	0	113	82.6	131			
Trichloroethene (TCE)	23	1.0	20.00	0	117	70	130			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.9	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		92.5	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.2	70	130			
Surr: Toluene-d8	8.8		10.00		87.6	70	130			

Sample ID **b3**	SampType: **MBLK**			TestCode: **EPA Method 8260B: VOLATILES**					
Client ID: **PBW**	Batch ID: **R19514**			RunNo: **19514**					
Prep Date:	Analysis Date: **6/25/2014**			SeqNo: **564830**		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	2.4	10								J
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								

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: 1406A71

Hall Environmental Analysis Laboratory, Inc.

08-Jul-14

Client: Holly Energy Partners
Project: Beeson Station

Sample ID **b3**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564830** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
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	9.1		10.00		90.9	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **b3**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564830** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	9.3		10.00		93.0	70	130			
Surr: Dibromofluoromethane	9.6		10.00		95.9	70	130			
Surr: Toluene-d8	9.4		10.00		93.7	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564832** 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	70	130			
Toluene	22	1.0	20.00	0	111	80	120			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	109	82.6	131			
Trichloroethene (TCE)	23	1.0	20.00	0	115	70	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.7	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		93.5	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.3	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13889**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **13889**	RunNo: **19489**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564373** 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	0.050	0.12								J
Indeno(1,2,3-cd)pyrene	ND	0.25								
Surr: Benzo(e)pyrene	16		20.00		78.7	32.1	134			

Sample ID **LCS-13889**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **13889**	RunNo: **19489**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564375** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	55	2.0	80.00	0	68.9	41	76.8			
1-Methylnaphthalene	54	2.0	80.20	0	66.9	24.7	81			
2-Methylnaphthalene	51	2.0	80.00	0	63.9	17.4	81.9			
Acenaphthylene	61	2.5	80.20	0	76.6	50.3	77.5			
Acenaphthene	58	5.0	80.00	0	72.8	27.7	81.1			
Fluorene	6.0	0.80	8.020	0	75.1	34.2	75.1			
Phenanthrene	3.2	0.60	4.020	0	79.1	44.6	88.3			
Anthracene	3.2	0.60	4.020	0	79.9	41.9	85.3			
Fluoranthene	6.0	0.30	8.020	0	74.2	40.6	88			
Pyrene	6.6	0.30	8.020	0	81.7	41	86.6			
Benz(a)anthracene	0.67	0.070	0.8020	0	83.5	43.8	86.7			
Chrysene	3.2	0.20	4.020	0	78.4	44.5	80.7			
Benzo(b)fluoranthene	0.74	0.10	1.002	0	73.9	44.3	87.1			
Benzo(k)fluoranthene	0.43	0.070	0.5000	0	86.0	39.9	94.3			

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **LCS-13889**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **13889**	RunNo: **19489**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564375** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.43	0.070	0.5020	0	85.7	44	86.5			
Dibenz(a,h)anthracene	0.82	0.12	1.002	0	81.8	48.8	83.6			
Benzo(g,h,i)perylene	0.78	0.12	1.000	0	78.0	43.6	84.5			
Indeno(1,2,3-cd)pyrene	1.5	0.25	2.004	0	73.9	49.2	91.1			
Surr: Benzo(e)pyrene	24		20.00		119	32.1	134			

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

08-Jul-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13892**	SampType: **MBLK**			TestCode: **SM2540C MOD: Total Dissolved Solids**					
Client ID: **PBW**	Batch ID: **13892**			RunNo: **19542**					
Prep Date: **6/25/2014**	Analysis Date: **6/26/2014**			SeqNo: **565885**	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-13892**	SampType: **LCS**			TestCode: **SM2540C MOD: Total Dissolved Solids**					
Client ID: **LCSW**	Batch ID: **13892**			RunNo: **19542**					
Prep Date: **6/25/2014**	Analysis Date: **6/26/2014**			SeqNo: **565886**	Units: **mg/L**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	974	20.0	1000	0	97.4	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.
- 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: Holly Energy Partners Work Order Number: 1406A71 RcptNo: 1

Received by/date: CS 06/24/14

Logged By: Anne Thorne 6/24/2014 8:42:00 AM Anne Thorne

Completed By: Anne Thorne 6/24/2014 Anne Thorne

Reviewed By: AT 06/24/14

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?	FedEx		

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? 1

Checked by: AT 06/24/14

Special Handling (if applicable)

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

Person Notified: _____ Date _____

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

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Holly Energy Partners

Mailing Address: 1602 W. Main
Artesia NM 88240

Phone #: 575-748-8973

email or Fax#: clem.vasquez@hollyenergy.com

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

Accreditation
☒ NELAP ☐ Other ________

☐ EDD (Type) ________

Turn-Around Time: 06124117 [illegible]
☐ Standard ☒ Rush 6/27/14

Project Name: Beeson Station

Project #:

Project Manager: Cindy Crain
2626 JBS Pkwy. Ste. B102
Odessa TX 79761

Sampler: Cindy Crain

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1406A71	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 (Dissolved Metals [illegible])	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Phenols (Method 9067)	TDS	pH		Air Bubbles (Y or N)
6/23/14	1210	W	Beeson Station Water Tank		HCL, $Na_2S_2O_3$, H_2SO_4, HNO_3, NaOH	-001					X	X	X	X	X	X		X	X	X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/23/14	1458	Cindy Crain	Celina Sessa	06/24/14	08:42
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: See Attached list w/ Methods + Analyses
Cindy.crain@urs.com
clem.vasquez@hollyenergy.com

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: Glass, Teal <TGlass@trcsolutions.com>
Sent: Tuesday, July 15, 2014 12:42 PM
To: Jones, Brad A., EMNRD
Cc: clemente.vasquez@hollyenergy.com
Subject: RE: FedEx Shipment 770600703294 Delivered

Thanks Brad.

From: Jones, Brad A., EMNRD [mailto:brad.a.jones@state.nm.us]
Sent: Tuesday, July 15, 2014 1:36 PM
To: Glass, Teal
Subject: RE: FedEx Shipment 770600703294 Delivered

Teal,

All mail is accepted and processed through the Energy Minerals and Natural Resources Department mail room when delivered to the Wendell Chino Building. Then each Division's mail person is contacted to pick up the mail. OCD's mail person is currently at lunch and there is no mail in my mailbox. I will check with her about the FedEx package upon her return.

Brad

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Glass, Teal [mailto:TGlass@trcsolutions.com]
Sent: Tuesday, July 15, 2014 10:12 AM
To: Jones, Brad A., EMNRD
Cc: clemente.vasquez@hollyenergy.com; Boer, Adrienne
Subject: FW: FedEx Shipment 770600703294 Delivered

Hi Brad,
I received the Fed Ex notice below that your office has received the check for the permit fee for the Beeson Tank. Is HEP now ok to discharge?
Thanks,
Teal

From: trackingupdates@fedex.com [mailto:trackingupdates@fedex.com]
Sent: Tuesday, July 15, 2014 11:06 AM

To: Glass, Teal
Subject: FedEx Shipment 770600703294 Delivered

fedex.com | Ship | Track | Manage | Learn | Office/Print Services

Your package has been delivered

Tracking # 770600703294

Ship (P/U) date:
Monday, 7/14/14

Roxanne Cable
TRC Environmental Corporation
Austin, TX 78752
US

Delivered

Delivery date:
Tuesday, 7/15/14 10:01 AM

Mr. Brad Jones,
Environmental Eng.
NM OilConservationDiv.,
Env.Bureau
1220 S SAINT FRANCIS DR
SANTA FE, NM 87505
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770600703294
Status:	Delivered: 07/15/2014 10:01 AM Signed for By: S.MARTINEZ
Reference:	216228.0000.0000 000003
Signed for by:	S.MARTINEZ
Delivery location:	SANTA FE, NM
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Deliver Weekday

☐ Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:06 AM CDT on 07/15/2014.

To learn more about FedEx Express, please go to fedex.com.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or go to fedex.com.

This tracking update has been sent to you by FedEx at your request. FedEx does not validate the authenticity of the requestor and does not validate, guarantee or warrant the authenticity of the request, the requestor's message, or the accuracy of this tracking update. For tracking results and terms of use, go to **fedex.com**.

Thank you for your business.

Jones, Brad A., EMNRD

From: Glass, Teal <TGlass@trcsolutions.com>
Sent: Tuesday, July 08, 2014 3:09 PM
To: Jones, Brad A., EMNRD
Cc: clemente.vasquez@hollyenergy.com; Boer, Adrienne
Subject: Beeson Tank Analytical
Attachments: Radiation.pdf; Rpt_1406A71_Final_v2.pdf

Hi Brad,
The company that did the sampling spoke with the laboratory. Regarding EDB: On page 1 of the report, a reporting limit of 0.000010 mg/L was used; therefore showing results below the WQCC standard. Hall Lab was able to reduce the reported Detection Limit on the EDB, vinyl chloride and PCBs. The report now shows Vinyl Chloride assessed below the WQCC limit, and PCBs at the limit. The radiation results were submitted on a separate COC. The results were received today and also attached. As discussed, HEP will wait for the 30 day comment period to expire and the permit is received prior to discharge. Please let me know if you have any other questions/comments.
Thanks,
Teal

Teal Glass
Project Coordinator

TRC
Results you can rely on

505 East Huntland Drive, Suite 250, Austin, TX 78752
T: 512.684.3182| F: 512.329.8750| C: 512.348.9058

tglass@trcsolutions.com | www.trcsolutions.com

Jones, Brad A., EMNRD

From: Glass, Teal <TGlass@trcsolutions.com>
Sent: Monday, July 07, 2014 1:04 PM
To: Jones, Brad A., EMNRD
Cc: clemente.vasquez@hollyenergy.com; Boer, Adrienne
Subject: Beeson Tank Discharge
Attachments: Rpt_1406A71_Final_v1.pdf

Hi Brad,
Attached are the analytical results from the Beeson Tank hydrostatic testing. All results are below the limitations. Per the 30 day notice requirements, HEP will wait to discharge until July 13th. Please let me know if you have any questions.
Thanks,
Teal

Teal Glass
Project Coordinator

505 East Huntland Drive, Suite 250, Austin, TX 78752
T: 512.684.3182| F: 512.329.8750| C: 512.348.9058

tglass@trcsolutions.com | www.trcsolutions.com

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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

June 30, 2014

Cindy Crain
Holly Energy Partners
1602 W. Main
Artesia, NM 88210
TEL: (432) 230-6789
FAX

RE: Beeson Station OrderNo.: 1406A71

Dear Cindy Crain:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/24/2014 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: Holly Energy Partners
Project: Beeson Station
Lab ID: 1406A71-001 **Matrix:** AQUEOUS

Client Sample ID: Beeson Station Water Tank
Collection Date: 6/23/2014 12:10:00 PM
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB						Analyst: **LRW**	
1,2-Dibromoethane	ND	0.010		µg/L	1	6/25/2014 1:56:57 PM	13885
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1221	ND	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1232	ND	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1242	ND	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1248	ND	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1254	ND	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Aroclor 1260	ND	1.0		µg/L	1	6/25/2014 3:10:45 PM	13888
Surr: Decachlorobiphenyl	78.4	33.2-131		%REC	1	6/25/2014 3:10:45 PM	13888
Surr: Tetrachloro-m-xylene	64.4	34.7-138		%REC	1	6/25/2014 3:10:45 PM	13888
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	6/25/2014 2:27:14 PM	13889
1-Methylnaphthalene	ND	2.0		µg/L	1	6/25/2014 2:27:14 PM	13889
2-Methylnaphthalene	ND	2.0		µg/L	1	6/25/2014 2:27:14 PM	13889
Acenaphthylene	ND	2.5		µg/L	1	6/25/2014 2:27:14 PM	13889
Acenaphthene	ND	5.0		µg/L	1	6/25/2014 2:27:14 PM	13889
Fluorene	ND	0.80		µg/L	1	6/25/2014 2:27:14 PM	13889
Phenanthrene	ND	0.60		µg/L	1	6/25/2014 2:27:14 PM	13889
Anthracene	ND	0.60		µg/L	1	6/25/2014 2:27:14 PM	13889
Fluoranthene	ND	0.30		µg/L	1	6/25/2014 2:27:14 PM	13889
Pyrene	ND	0.30		µg/L	1	6/25/2014 2:27:14 PM	13889
Benz(a)anthracene	ND	0.070		µg/L	1	6/25/2014 2:27:14 PM	13889
Chrysene	ND	0.20		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(a)pyrene	ND	0.070		µg/L	1	6/25/2014 2:27:14 PM	13889
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	6/25/2014 2:27:14 PM	13889
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	6/25/2014 2:27:14 PM	13889
Indeno(1,2,3-cd)pyrene	ND	0.25		µg/L	1	6/25/2014 2:27:14 PM	13889
Surr: Benzo(e)pyrene	88.0	32.1-134		%REC	1	6/25/2014 2:27:14 PM	13889
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Fluoride	0.57	0.10		mg/L	1	6/24/2014 1:05:55 PM	R19500
Chloride	45	10		mg/L	20	6/24/2014 1:43:09 PM	R19500
Nitrogen, Nitrate (As N)	3.2	0.10		mg/L	1	6/24/2014 1:05:55 PM	R19500
Sulfate	37	0.50		mg/L	1	6/24/2014 1:05:55 PM	R19500
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Holly Energy Partners
Project: Beeson Station
Lab ID: 1406A71-001 **Matrix:** AQUEOUS

Client Sample ID: Beeson Station Water Tank
Collection Date: 6/23/2014 12:10:00 PM
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **JLF**	
Aluminum	ND	0.020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Barium	0.11	0.0020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Boron	0.066	0.040		mg/L	1	6/24/2014 3:28:22 PM	R19480
Cadmium	ND	0.0020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Chromium	ND	0.0060		mg/L	1	6/24/2014 3:28:22 PM	R19480
Cobalt	ND	0.0060		mg/L	1	6/24/2014 3:28:22 PM	R19480
Copper	ND	0.0060		mg/L	1	6/24/2014 3:28:22 PM	R19480
Iron	0.43	0.020	*	mg/L	1	6/24/2014 3:28:22 PM	R19480
Manganese	0.029	0.0020		mg/L	1	6/24/2014 3:28:22 PM	R19480
Molybdenum	ND	0.0080		mg/L	1	6/24/2014 3:28:22 PM	R19480
Nickel	ND	0.010		mg/L	1	6/24/2014 3:28:22 PM	R19480
Silver	ND	0.0050		mg/L	1	6/24/2014 3:28:22 PM	R19480
Zinc	ND	0.010		mg/L	1	6/24/2014 3:28:22 PM	R19480
EPA 200.8: DISSOLVED METALS						Analyst: **TES**	
Arsenic	0.0040	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
Lead	ND	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
Selenium	0.0040	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
Uranium	0.0016	0.0010		mg/L	1	6/30/2014 10:42:32 AM	R19572
EPA METHOD 245.1: MERCURY						Analyst: **MMD**	
Mercury	ND	0.00020		mg/L	1	6/27/2014 3:00:48 PM	13930
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Toluene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Ethylbenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Naphthalene	ND	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1-Methylnaphthalene	ND	4.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Methylnaphthalene	ND	4.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Acetone	ND	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromobenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromodichloromethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromoform	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Bromomethane	ND	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Butanone	ND	10		µg/L	1	6/26/2014 2:40:19 AM	R19514

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Holly Energy Partners
Project: Beeson Station
Lab ID: 1406A71-001 **Matrix:** AQUEOUS

Client Sample ID: Beeson Station Water Tank
Collection Date: 6/23/2014 12:10:00 PM
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Carbon disulfide	ND	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Carbon Tetrachloride	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chlorobenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chloroethane	ND	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chloroform	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Chloromethane	ND	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Chlorotoluene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
4-Chlorotoluene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
cis-1,2-DCE	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Dibromochloromethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Dibromomethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1-Dichloroethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1-Dichloroethene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2-Dichloropropane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,3-Dichloropropane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2,2-Dichloropropane	ND	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1-Dichloropropene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Hexachlorobutadiene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
2-Hexanone	ND	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Isopropylbenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
4-Isopropyltoluene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2014 2:40:19 AM	R19514
Methylene Chloride	ND	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
n-Butylbenzene	ND	3.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
n-Propylbenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
sec-Butylbenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Styrene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
tert-Butylbenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
trans-1,2-DCE	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Holly Energy Partners
Project: Beeson Station
Lab ID: 1406A71-001 **Matrix:** AQUEOUS

Client Sample ID: Beeson Station Water Tank
Collection Date: 6/23/2014 12:10:00 PM
Received Date: 6/24/2014 8:42:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Trichlorofluoromethane	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Vinyl chloride	ND	1.0		µg/L	1	6/26/2014 2:40:19 AM	R19514
Xylenes, Total	ND	1.5		µg/L	1	6/26/2014 2:40:19 AM	R19514
Surr: 1,2-Dichloroethane-d4	89.1	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
Surr: 4-Bromofluorobenzene	98.5	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
Surr: Dibromofluoromethane	96.8	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
Surr: Toluene-d8	92.7	70-130		%REC	1	6/26/2014 2:40:19 AM	R19514
TOTAL PHENOLICS BY SW-846 9067						Analyst: **SCC**	
Phenolics, Total Recoverable	ND	2.5		µg/L	1	6/26/2014	13905
SM4500-H+B: PH						Analyst: **JRR**	
pH	7.51	1.68	H	pH units	1	6/26/2014 1:07:14 PM	R19544
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	326	20.0		mg/L	1	6/26/2014 6:07:00 PM	13892

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.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

ESC
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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

June 27, 2014

Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

ESC Sample # : L706721-01

Date Received : June 25, 2014
Description :

Site ID :

Sample ID : 1406A71-001I BEESON STATION WATER TANK

Project # :

Collected By :
Collection Date : 06/23/14 12:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Cyanide	BDL	0.0050	mg/l	4500CN E-2011	06/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 06/27/14 08:52 Printed: 06/27/14 08:52

ESC
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YOUR LAB OF CHOICE

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Hall Environmental Analysis Laboratory

4901 Hawkins NE

Albuquerque, NM 87109

Quality Assurance Report
Level II

L706721

June 27, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Cyanide	< .005	mg/l			WG728569	06/26/14 16:12

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Cyanide	mg/l	0.0	0.0	0.0	20	L706297-02	WG728569
Cyanide	mg/l	0.0	0.0	0.0	20	L705634-01	WG728569

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Cyanide	mg/l	.1	0.0975	97.5	90-110	WG728569

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Cyanide	mg/l	0.0959	0.0975	96.0	90-110	1.65	20	WG728569

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Cyanide	mg/l	0.198	0.0	.2	99.0	90-110	L705925-02	WG728569

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Cyanide	mg/l	0.193	0.198	96.5	90-110	2.56	20	L705925-02	WG728569

Batch number /Run number / Sample number cross reference

WG728569: R2950405: L706721-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563724** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563725** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.49	0.020	0.5000	0	98.9	85	115			
Barium	0.49	0.0020	0.5000	0	97.6	85	115			
Boron	0.51	0.040	0.5000	0	102	85	115			
Cadmium	0.49	0.0020	0.5000	0	98.0	85	115			
Chromium	0.49	0.0060	0.5000	0	98.0	85	115			
Cobalt	0.49	0.0060	0.5000	0	97.3	85	115			
Copper	0.49	0.0060	0.5000	0	98.0	85	115			
Iron	0.49	0.020	0.5000	0	98.6	85	115			
Manganese	0.51	0.0020	0.5000	0	101	85	115			
Molybdenum	0.48	0.0080	0.5000	0	95.4	85	115			
Nickel	0.48	0.010	0.5000	0	95.2	85	115			
Silver	0.096	0.0050	0.1000	0	95.8	85	115			
Zinc	0.50	0.010	0.5000	0	99.5	85	115			

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563753** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	ND	0.020								
Barium	ND	0.0020								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563753** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R19480**	RunNo: **19480**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **563754** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.48	0.020	0.5000	0	95.4	85	115			
Barium	0.47	0.0020	0.5000	0	94.9	85	115			
Boron	0.49	0.040	0.5000	0	98.6	85	115			
Cadmium	0.48	0.0020	0.5000	0	95.9	85	115			
Chromium	0.47	0.0060	0.5000	0	94.9	85	115			
Cobalt	0.47	0.0060	0.5000	0	94.9	85	115			
Copper	0.48	0.0060	0.5000	0	96.0	85	115			
Iron	0.49	0.020	0.5000	0	98.1	85	115			
Manganese	0.49	0.0020	0.5000	0	98.6	85	115			
Molybdenum	0.48	0.0080	0.5000	0	96.2	85	115			
Nickel	0.48	0.010	0.5000	0	95.6	85	115			
Silver	0.094	0.0050	0.1000	0	93.5	85	115			
Zinc	0.50	0.010	0.5000	0	99.2	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **LCS"**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **R19572**	RunNo: **19572**
Prep Date:	Analysis Date: **6/30/2014**	SeqNo: **567188** 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	99.0	85	115			
Lead	0.025	0.0010	0.02500	0	100	85	115			
Selenium	0.026	0.0010	0.02500	0	102	85	115			
Uranium	0.024	0.0010	0.02500	0	98.0	85	115			

Sample ID **MB"**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **R19572**	RunNo: **19572**
Prep Date:	Analysis Date: **6/30/2014**	SeqNo: **567190** 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								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13930**	SampType: **MBLK**	TestCode: **EPA Method 245.1: Mercury**
Client ID: **PBW**	Batch ID: **13930**	RunNo: **19549**
Prep Date: **6/27/2014**	Analysis Date: **6/27/2014**	SeqNo: **566235** Units: **mg/L**

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

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564242** Units: **mg/L**

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

Sample ID **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564243** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.48	0.10	0.5000	0	96.3	90	110			
Chloride	4.9	0.50	5.000	0	97.8	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	103	90	110			
Sulfate	10	0.50	10.00	0	101	90	110			

Sample ID **1406A71-001FMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Beeson Station Wat**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564249** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	0.5000	0.5656	91.9	72.7	110			
Nitrogen, Nitrate (As N)	5.9	0.10	2.500	3.156	110	87.8	111			
Sulfate	49	0.50	10.00	37.28	113	90.4	111			S

Sample ID **1406A71-001FMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **Beeson Station Wat**	Batch ID: **R19500**	RunNo: **19500**
Prep Date:	Analysis Date: **6/24/2014**	SeqNo: **564250** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.0	0.10	0.5000	0.5656	91.4	72.7	110	0.264	20	
Nitrogen, Nitrate (As N)	5.9	0.10	2.500	3.156	109	87.8	111	0.209	20	
Sulfate	49	0.50	10.00	37.28	113	90.4	111	0.0488	20	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13885**	SampType: **MBLK**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **PBW**	Batch ID: **13885**	RunNo: **19492**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564194** Units: **µg/L**

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

Sample ID **LCS-13885**	SampType: **LCS**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSW**	Batch ID: **13885**	RunNo: **19492**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564207** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.094	0.010	0.1000	0	94.0	70	130			

Sample ID **LCSD-13885**	SampType: **LCSD**	TestCode: **EPA Method 8011/504.1: EDB**
Client ID: **LCSS02**	Batch ID: **13885**	RunNo: **19492**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564208** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.093	0.010	0.1000	0	93.0	70	130	1.07	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13888**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**							
Client ID: **PBW**	Batch ID: **13888**	RunNo: **19476**							
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564364**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	2.0		2.500		79.2	33.2	131			
Surr: Tetrachloro-m-xylene	1.7		2.500		68.8	34.7	138			

Sample ID **LCS-13888**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**							
Client ID: **LCSW**	Batch ID: **13888**	RunNo: **19476**							
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564366**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.2	1.0	5.000	0	63.2	15	134			
Aroclor 1260	3.8	1.0	5.000	0	76.7	32.1	148			
Surr: Decachlorobiphenyl	2.1		2.500		82.8	33.2	131			
Surr: Tetrachloro-m-xylene	1.8		2.500		72.0	34.7	138			

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **5mL-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564801** 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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **5mL-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564801** 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		93.9	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.3	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.0	70	130			
Surr: Toluene-d8	9.0		10.00		90.0	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564815** 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	21	1.0	20.00	0	107	80	120			
Chlorobenzene	20	1.0	20.00	0	102	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **100ng lcs**	SampType: **LCS**			TestCode: **EPA Method 8260B: VOLATILES**					
Client ID: **LCSW**	Batch ID: **R19514**			RunNo: **19514**					
Prep Date:	Analysis Date: **6/25/2014**			SeqNo: **564815**		Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	1.0	20.00	0	113	82.6	131			
Trichloroethene (TCE)	23	1.0	20.00	0	117	70	130			
Surr: 1,2-Dichloroethane-d4	9.3		10.00		92.9	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		92.5	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.2	70	130			
Surr: Toluene-d8	8.8		10.00		87.6	70	130			

Sample ID **b3**	SampType: **MBLK**			TestCode: **EPA Method 8260B: VOLATILES**					
Client ID: **PBW**	Batch ID: **R19514**			RunNo: **19514**					
Prep Date:	Analysis Date: **6/25/2014**			SeqNo: **564830**		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								

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **b3**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564830** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
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	9.1		10.00		90.9	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **b3**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564830** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	9.3		10.00		93.0	70	130			
Surr: Dibromofluoromethane	9.6		10.00		95.9	70	130			
Surr: Toluene-d8	9.4		10.00		93.7	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R19514**	RunNo: **19514**
Prep Date:	Analysis Date: **6/25/2014**	SeqNo: **564832** 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	70	130			
Toluene	22	1.0	20.00	0	111	80	120			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	109	82.6	131			
Trichloroethene (TCE)	23	1.0	20.00	0	115	70	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.7	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		93.5	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.3	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13889**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **13889**	RunNo: **19489**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564373** 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	16		20.00		78.7	32.1	134			

Sample ID **LCS-13889**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **13889**	RunNo: **19489**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564375** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	55	2.0	80.00	0	68.9	41	76.8			
1-Methylnaphthalene	54	2.0	80.20	0	66.9	24.7	81			
2-Methylnaphthalene	51	2.0	80.00	0	63.9	17.4	81.9			
Acenaphthylene	61	2.5	80.20	0	76.6	50.3	77.5			
Acenaphthene	58	5.0	80.00	0	72.8	27.7	81.1			
Fluorene	6.0	0.80	8.020	0	75.1	34.2	75.1			
Phenanthrene	3.2	0.60	4.020	0	79.1	44.6	88.3			
Anthracene	3.2	0.60	4.020	0	79.9	41.9	85.3			
Fluoranthene	6.0	0.30	8.020	0	74.2	40.6	88			
Pyrene	6.6	0.30	8.020	0	81.7	41	86.6			
Benz(a)anthracene	0.67	0.070	0.8020	0	83.5	43.8	86.7			
Chrysene	3.2	0.20	4.020	0	78.4	44.5	80.7			
Benzo(b)fluoranthene	0.74	0.10	1.002	0	73.9	44.3	87.1			
Benzo(k)fluoranthene	0.43	0.070	0.5000	0	86.0	39.9	94.3			

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **LCS-13889**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **13889**	RunNo: **19489**
Prep Date: **6/25/2014**	Analysis Date: **6/25/2014**	SeqNo: **564375** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.43	0.070	0.5020	0	85.7	44	86.5			
Dibenz(a,h)anthracene	0.82	0.12	1.002	0	81.8	48.8	83.6			
Benzo(g,h,i)perylene	0.78	0.12	1.000	0	78.0	43.6	84.5			
Indeno(1,2,3-cd)pyrene	1.5	0.25	2.004	0	73.9	49.2	91.1			
Surr: Benzo(e)pyrene	24		20.00		119	32.1	134			

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.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1406A71**

30-Jun-14

Client: Holly Energy Partners

Project: Beeson Station

Sample ID **MB-13892**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **13892**	RunNo: **19542**
Prep Date: **6/25/2014**	Analysis Date: **6/26/2014**	SeqNo: **565885** 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-13892**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **13892**	RunNo: **19542**
Prep Date: **6/25/2014**	Analysis Date: **6/26/2014**	SeqNo: **565886** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	974	20.0	1000	0	97.4	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.
- 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: Holly Energy Partners Work Order Number: 1406A71 RcptNo: 1

Received by/date: CS 06/24/14

Logged By: Anne Thorne 6/24/2014 8:42:00 AM Anne Thorne

Completed By: Anne Thorne 6/24/2014 Anne Thorne

Reviewed By: AT 06/24/14

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?	FedEx		

Log In

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

# of preserved bottles checked for pH: 4 (1)
(<2 or >12 unless noted)
Adjusted?
Checked by: AT 06/24/14

Special Handling (if applicable)

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

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

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

06/24/14 AT

Client: Holly Energy Partners

Mailing Address: 1602 W. Main
Artesia, NM 88240

Phone #: 575-748-8973

email or Fax#: clem.vasquez@hollyenergy.com

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

Accreditation
☒ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush 6/25/14

Project Name: Beeson Station

Project #:

Project Manager: Cindy Crain
2626 SBS Pkwy. Ste. B102
Odessa, TX 79761

Sampler: Cindy Crain

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0°

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. 1406A71
6/23/14	1210	W	Beeson Station Water Tank		HCl, $Na_2S_2O_3$, H_2SO_4, HNO_3, NaOH	-001

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 Dissolved Mercury, Uranium	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides/8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Phenols (Method 9067)	TDS	pH		Air Bubbles (Y or N)
				X	X	X	X	X	X		X	X	X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/23/14	1458	Cindy Crain	Clem Sanchez	06/24/14	08:42
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: See Attached list W/ Methods & Analyses
cindy.crain@urs.com
clem.vasquez@hollyenergy.com

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: Jones, Brad A., EMNRD
Sent: Monday, July 07, 2014 3:20 PM
To: 'Glass, Teal'
Cc: clemente.vasquez@hollyenergy.com; Boer, Adrienne
Subject: RE: Beeson Tank Discharge

Teal,

HEP will not have a permit on Sunday, July 13, 2014 to consider a discharge. The public notice demonstration submitted to OCD indicates that the last notice was published in the newspaper on June 13, 2014. The notice requirements of 20.6.2.3108 require a 30 day comment period during the public notice. This 30 day comment period will end Monday, July 14, 2014. At this point if there has been no expressed concern, OCD will consider the approval and issuance of the permit. Only after the permit is approved can the discharge be considered and the conditions followed. Currently Condition #5 of the draft permit states "HEP shall submit the test results via email or fax to the OCD for review and subsequent approval or disapproval for the test wastewater to be discharged." Since this is a permit condition it can only be complied with once the permit has been issued.

In regards to the water data, OCD did not find any results or see it requested on the laboratory chain-of custody for Combined Radium-226 and Radium -228. The laboratory results demonstrate that EDB (1,2-dibromoethane or ethylene dibromide) was assessed at a reporting limit of 1.0 ug/l (or 0.001 mg/l) which is above the WQCC regulatory limit of 0.0001 mg/l. Vinyl chloride and PCBs were both assessed at their WQCC regulatory limit of 0.001 mg/l, instead of below the regulatory limit. Due to these outstanding issues, OCD would not be able accept the data to consider a discharge on Monday, July 14, 2014.

Please contact me if you have any questions regarding this matter.

Brad

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: Glass, Teal [mailto:TGlass@trcsolutions.com]
Sent: Monday, July 07, 2014 1:04 PM
To: Jones, Brad A., EMNRD
Cc: clemente.vasquez@hollyenergy.com; Boer, Adrienne
Subject: Beeson Tank Discharge

Hi Brad,

Attached are the analytical results from the Beeson Tank hydrostatic testing. All results are below the limitations. Per the 30 day notice requirements, HEP will wait to discharge until July 13th. Please let me know if you have any questions.
Thanks,
Teal

Teal Glass
Project Coordinator

505 East Huntland Drive, Suite 250, Austin, TX 78752
T: 512.684.3182| F: 512.329.8750| C: 512.348.9058

tglass@trcsolutions.com | www.trcsolutions.com

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

Jami Bailey, Division Director
Oil Conservation Division

CERTIFIED MAIL RECEIPT # 7002 3150 0004 4924 1622

May 29, 2014

Ms. Allison Stockweather
Holly Energy Partners Operating LP
PO Box 1260
Artesia, New Mexico 88210

Re: Hydrostatic Test Discharge Permit HIP-134
Holly Energy Partners Operating LP
Beeson Station Above Ground Storage Tank Project
Locations: Unit D of Section 3, Township 18 South, Range 30 East, NMPM,
Eddy County, New Mexico

Dear Ms. Stockweather:

Pursuant to the Water Quality Control Commission (WQCC) Regulations 20.6.2.3104 – 20.6.2.3114 NMAC, the Oil Conservation Division (OCD) hereby proposes to approve Holly Energy Partners Operating LP's hydrostatic test discharge permit for the above referenced event contingent upon the conditions specified in the attached draft discharge permit. Please review and provide comments to OCD on the draft discharge permit within 30 days of receipt of this letter.

If you have any questions, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

Attachment: Draft Permit HIP-134

BAJ/baj

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

Jami Bailey, Division Director
Oil Conservation Division

May 29, 2014

Ms. Allison Stockweather
Holly Energy Partners Operating LP
PO Box 1260
Artesia, New Mexico 88210

Re: Hydrostatic Test Discharge Permit HIP-134 DRAFT
Holly Energy Partners Operating LP
Beeson Station Above Ground Storage Tank Project
Locations: Unit D of Section 3, Township 18 South, Range 30 East, NMPM,
Eddy County, New Mexico

Dear Ms. Stockweather:

The Oil Conservation Division (OCD) has received Holly Energy Partners Operating LP's (HEP) notice of intent, dated May 28, 2014 and received May 29, 2014, for authorization to discharge approximately 1,912,498 gallons of wastewater generated from a hydrostatic test of a 86 foot diameter above ground storage tank which is part of a crude oil gathering pipeline system, located approximately 2.8 miles southeast of the Village of Loco Hills, New Mexico. The proposed discharge/retention/ collection location is within HEP's Beeson Crude Oil Pump Station easement in Unit D of Section 3, Township 18 South, Range 30 East, NMPM, Eddy County, New Mexico. OCD acknowledges the receipt of the filing fee ($100.00) for the permit from a submittal dated May 28, 2014.

Based on the information provided in the request, the hydrostatic test water discharge is hereby approved with the following understandings and conditions:

1. HEP will be testing a 86 foot diameter above ground storage tank which is part of a crude oil gathering pipeline system, located approximately 2.8 miles southeast of the Village of Loco Hills, New Mexico;

2. HEP will acquire the hydrostatic test water from a private source, the Maljamar Water System (aka Yates Petroleum) in Loco Hills, New Mexico;

3. HEP will generate approximately 1,912,498 gallons of hydrostatic test wastewater from the test event. The hydrostatic wastewater will remain in the above ground storage tank while being sampled and awaiting test results from a certified laboratory;

4. HEP shall analyze all samples of wastewater generated from the hydrostatic test to demonstrate the results do not exceed the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC;

5. HEP shall submit the test results via email or fax to the OCD for review and subsequent approval or disapproval for the test wastewater to be discharged;

6. If the final discharge of the wastewater is approved by the OCD, HEP will discharge the wastewater into a dewatering structure, constructed of non-woven geotextile and hay bales, to control erosion and contain the discharge within the southeast end of HEP's Beeson Crude Oil Pump Station easement in Unit D of Section 3, Township 18 South, Range 30 East, NMPM, Eddy County, New Mexico;

7. If final discharge of the wastewater is approved, no hydrostatic wastewater generated will be discharged to groundwater or be allowed to exit the easement right-of-way;

8. If final discharge of the wastewater is approved, no discharge shall occur:
    a. where ground water is less than 10 feet below ground surface.
    b. within 200 feet of a watercourse, lakebed, sinkhole or playa lake;
    c. within an existing wellhead protection area;
    d. within, or within 500 feet of a wetland; or
    e. within 500 feet from the nearest permanent residence, school, hospital, institution or church;

9. If the final discharge of the wastewater is not approved by the OCD, HEP will transfer the wastewater, via a system of flexible hoses and pump, from the above ground storage tank into water trucks and hauled by an OCD approved C-133 water hauler to Basic Energy Services, LP's Class II injection well, Shugart State #2 SWD (API 30-015-32438/Order SWD 1340-0), for injection and disposal;

10. HEP will have personnel on-site to oversee and control the transfer and utilize collection pans placed below the collection points to prevent an unauthorized release;

11. HEP will not be analyzing the hydrostatic test wastewater prior to disposal because of the following: the wastewater has been demonstrated to be RCRA exempt waste and the proposal is to transfer the wastewater to Basic Energy Services, LP's Class II injection well for injection and disposal;

12. HEP will ensure the transfer the hydrostatic test wastewater via an OCD approved C-133 water hauler to Basic Energy Services, LP's Class II injection well, Shugart State #2 SWD (API 30-015-32438/Order SWD 1340-0), for injection and disposal;

13. HEP shall remove all hydrostatic test wastewater from the collection/retention location within ten (10) calendar days of the completion of the hydrostatic test;

14. HEP shall restore any surface area impacted or disturb from the approved activities;

15. HEP shall implement best management practices to prevent unauthorized releases during the transfer/collection activities;

16. HEP shall ensure that the discharge/transfer/collection activities do not cause any fresh water supplies to be degraded or to exceed 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);

17. HEP must properly notify the landowner(s) of the proposed discharge/collection location of the approved activities prior to the hydrostatic test event; and

18. HEP shall report all unauthorized discharges, spills, leaks and releases of hydrostatic test water and conduct corrective action pursuant to OCD Rule 29 (19.15.29 NMAC).

It is understood that the hydrostatic test discharge will begin approximately July 16, 2014. This permit will expire within 120 calendar days of its issue date. This permit may be revoked or suspended for violation of any applicable provisions and/or conditions.

Please be advised that approval of this request does not relieve HEP of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve HEP of its responsibility to comply with any other applicable governmental authority's rules and regulations.

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

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

Cc: OCD District II Office, Artesia
Mr. Clem Vasquez, Holly Energy Partners Operating LP, Artesia, NM 88210
Ms. Adrienne Boer, TRC Environmental Corp., Austin, TX 78752

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of Check No. 1020058 dated 5/9/14

or cash received on 5/29/14 in the amount of $ 100.00

from TRC

for HIP-134

Submitted by: BRAD JONES Date: 5/30/14

Submitted to ASD by: LUPE SHERMAN Date: 5/30/14

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility: _____ Renewal: _____

Modification _____ Other _____

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:
5/29/14		✓	TRC	5/9/14	1020058		$100.00		
TOTAL							$100.00		

REVENUE TRANSMITTAL SHEET

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Jami Bailey, Division Director
Oil Conservation Division

May 29, 2014

Ms. Allison Stockweather
Holly Energy Partners Operating LP
PO Box 1260
Artesia, New Mexico 88210

Re: Hydrostatic Test Discharge Permit HIP-134
Holly Energy Partners Operating LP
Beeson Station Above Ground Storage Tank Project
Locations: Unit D of Section 3, Township 18 South, Range 30 East, NMPM,
Eddy County, New Mexico

Dear Ms. Stockweather:

The Oil Conservation Division (OCD) has received Holly Energy Partners Operating LP's (HEP) notice of intent, dated May 28, 2014 and received May 29, 2014, for authorization to discharge approximately 1,912,498 gallons of wastewater generated from a hydrostatic test of a 86 foot diameter above ground storage tank which is part of a crude oil gathering pipeline system, located approximately 2.8 miles southeast of the Village of Loco Hills, New Mexico. The proposed discharge/retention/collection location is within HEP's Beeson Crude Oil Pump Station easement in Unit D of Section 3, Township 18 South, Range 30 East, NMPM, Eddy County, New Mexico. The submittal provided the required information in order to deem the application "administratively" complete. OCD approves the Artesia Daily Press as the newspaper of general circulation for the published notice and the discharge and/or collection location (within the Beeson Station lease area) and the post office in Loco Hills, 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 HEP's and OCD's notice periods pass, the permit is issued, and the additional permit fee is paid.

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

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District II Office, Artesia
Ms. Adrienne Boer, TRC Environmental Corp., 505 E. Huntland Drive, Suite 250, Austin, TX 78752

505 East Huntland Drive
Suite 250
Austin, TX 78752

512.329.6080
512.329.8750

www.TRCsolutions.com

May 28, 2014

Mr. Brad Jones, Environmental Engineer
Oil Conservation Division
1220 St. Francis Drive
Santa Fe, New Mexico 87505

Re: **Submittal of Notice of Intent for the Discharge of Hydrostatic Test Wastewater, Holly Energy Partners Beeson Station Above Ground Storage Tank Project, Eddy County, New Mexico**

Dear Mr. Jones:

On behalf of Holly Energy Partners, Operating L.P. (HEP), TRC Environmental Corporation (TRC) is submitting this Notice of Intent (NOI) for a hydrostatic test to be conducted on the Beeson Station Above Ground Storage Tank (AST). TRC 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;
- Hydrostatic Test Wastewater Discharge Notice of Intent Plan;
- Figure 1 – Beeson Station AST
- Figure 2 – AST Discharge Locations;
- Figure 3 – Dissipation and Discharge System;
- Appendix A – Certification of Siting Criteria;
- Appendix B – Water Feature, Water Well Information and Floodplain Information;
- Appendix C – Area Mine Information;
- Appendix D - Geology;
- Appendix E – Area Landownership;
- Appendix F – Public Notice; and
- Appendix G – Lease Information

A check in the amount of $100.00 is attached for the filing fee.

TRC appreciates the opportunity to present this application for NOI. If you have any questions or comments, please contact either Adrienne Boer at 512-684-3184, or Allison Stockweather with HEP at (575) 746-5475.

Sincerely,

Adrienne Boer

Adrienne Boer
Program Manager

cc: Allison Stockweather, HEP

TRC

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, newly installed pipelines, and aboveground storage tanks (ASTs). The new AST is a part of a gathering system that stores crude oil before refinement. Waste water generated during hydrostatic testing of the new AST is classified as RCRA-exempt waste water and does not require management as a RCRA waste or disposal at a RCRA-approved facility.

- The new 86 feet in diameter AST (Tank ID T-977) (1,912,497.7 gallons) will supplement existing ASTs currently at the Beeson Station (see Figure 1);

- The new AST will be part of a gathering system that will store crude oil before refinement;

- The source of the hydrostatic test water is Maljamar Water System, LLC (aka Yates Petroleum) P.O. Box 330, Loco Hills, New Mexico 88211, (575) 748-4120, which is a privately owned water supply source that sells water to the industry. The point of diversion (POD) numbers for the wells that supply the water are listed as: L03599, L03599S4, L03599S2, L03599S3;

- The water will be placed into the AST at approximately latitude 32.78294° longitude -103.960954° on or about July 9, 2014. After the testing, the water will be discharged via hosing into a 200,000 square foot easement/right-of-way (ROW) on or about July 16, 2014 (Figure 2). A ROW is the legal right to pass along a specific route through grounds or property belonging to another. Holly Energy Partners, Operating L.P. (HEP) has ROW access with the Bureau of Land Management (BLM) per lease agreement;

- Per 20.6.2.3108 NMAC, a sample of the public notice is included in Appendix F; and,

- Per 20.6.2.3108 NMAC, 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 Loco Hills, New Mexico post office;

    3. Written notice of the discharge by mail to owners of record of all properties within 1/3 mile distance from 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,

5. A synopsis of the notice will be published once in display ad at least three inches by four inches in size in the Artesia Daily Press newspaper. Public notice is published every day, and the paper requires the information four to five days prior to publication.

Notice of Intent Plan

On behalf of HEP, TRC 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 (Mail Permit to Legally Responsible Party listed below)

Holly Energy Partners, Operating L.P.
Attn: Allison Stockweather/ Sr. Manager – Environmental, Health, and Safety
P.O. Box 1260 / 1602 W. Main
Artesia, New Mexico 88210

Local Representative

Holly Energy Partners, Operating L.P.
Attn: Clem Vasquez, EIT/ Project Engineer
P.O. Box 1260 / 1602 W. Main
Artesia, New Mexico 88210

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

The water will be transferred via hosing across the Beeson Station, and then discharged into an area which consists of approximately 200,000 square feet (SF) (see Figure 2). The proposed discharge area is in Eddy County NM, and is located approximately 2.8 miles southeast of the village of Loco Hills, NM, or approximately 26 miles east-southeast of Artesia, NM. Driving directions are as follows: From the intersection of State Highway 82 and First Street in Artesia, go east on State Highway 82 (also known as the Lovington Highway) for 24.7 miles (mile marker is not currently known), then go south on County Road 217 (also known as Hagerman Cutoff Road) for approximately 0.42 miles (mile marker is not currently known) until intersection with the second unpaved and unnamed east-trending road. Turn southeast on unnamed road and go approximately 2.7 miles. Road dead-ends at the Beeson Station, to the north of the proposed discharge area.

Item c. ***Legal description of the discharge location.***

The proposed discharge area is located in Eddy County in NW/4, NW/4, Section 3, T18S, R30E, with coordinates centering at approximately latitude 32.781940°, longitude -103.959967°.

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

Figure 2 is an Aerial Map which features the discharge area. Figure 3 demonstrates the best management practices to be used in the discharge area.

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

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

As demonstrated by a site inspection conducted on January 16, 2014 (see Appendix A), the 1983 7.5' USGS Topographic Quadrangles of Loco Hills, Eddy County, New Mexico and National Wetlands Inventory and National Hydrography Databases no watercourse, lakebed, sinkhole, or playa lake was observed within 200 feet of the proposed discharge area (see Appendix B-1). According to the National Wetlands Inventory and National Hydrography Databases, the nearest surface water bodies are two intermittent streams located approximately 4,432 feet to the Southeast and Cedar Lake located approximately 9,254 feet to the Northeast. A watercourse is defined in 19.15.2.7.W(4) NMAC:

"Watercourse" means a river, creek, arroyo, canyon, draw or wash or other channel having definite banks and bed with visible evidence of the occasional flow of water.

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

The proposed discharge area is not within an existing wellhead protection area as defined by Title 19, Chapter 15, Part 2,7.W(8) NMAC. Under the most conservative interpretation of this rule, the site would need to be positioned within 1,000 feet of a water supply well and spring to be considered within the wellhead protection area. As demonstrated by a site inspection conducted on January 16, 2014, no water supply wells or springs were observed within 1,000 feet of the proposed discharge area.

The 1983 edition of the Loco Hills, New Mexico 7.5-minute USGS Topographic Quadrangle map were reviewed for springs within 1,000 feet of the proposed discharge area (See Appendix B-1). No springs were identified on this map.

The proposed discharge area is positioned within NW/4, NW/4, Section 3, T18S, R30E, near the southern boundary of Section 34, T17S, R30E. A search radius of 1,000 feet is

contained within sections including Section 3, T18S, R30E, and Section 34, T17S, R30E. The New Mexico Office of the State Engineer ("NMOSE") Waters Database lists the closest well to the discharge as within Section 20, T17S, R30E (approximately three miles to the northeast), as follows:

RA11914 POD1 (NAD 1983 in UTM Meters) X-594801, Y-3632002

Depth to Groundwater 80 feet

The well listed above was intended for use as a monitoring well, and is not intended for domestic or agricultural purposes. With the exception of oil and gas wells, all wells lie outside a search radius of 1,000 feet from the discharge area

Additionally, there is a group of three exploratory wells listed as owned by the State of New Mexico under POD number RA11590 with suffixes POD1, POD 3, and POD4 that are situated approximately four miles to the east of the discharge area (See Appendix B-2). Depth to groundwater was not provided.

The proposed discharge area is not situated within a mapped 100-year floodplain (see Appendix B-3).

The Federal Emergency Management Agency (FEMA) posts a website providing access to GIS mapping of flood zones (http://www.fema.gov). This website was examined for the proposed discharge area which was determined to be situated within Map 35015C0425D. The panel exhibits mapped flood zones, if any. The FEMA map indicates an area in the southern edge of the proposed discharge area depicted as Zone "A" as bordering a 100 year flood zone. FEMA defines Zone "A" as follows:

> No base flood elevations determined. Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas, no depths or base flood elevations are shown within these zones.

A site inspection was performed on January 16, 2014. The area adjacent to the south side of the property was observed to have been leveled from past site work.

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

The proposed discharge area is not within, or within 500 feet of a wetland.

The U.S. Fish and Wildlife Service, National Wetlands Inventory mapping system website and National Hydrography Database website were accessed for the proposed discharge

area. No wetland was mapped at or within 500 feet of the proposed discharge area (see Appendix B-1).

Also, the U.S. Department of Agriculture publication Soil Survey of Eddy County, New Mexico (date) was reviewed. The soil mapping unit containing the proposed discharge area is designated "KM". The soil identified by the mapping symbol "KM" is the Kermit-Berino fine sands, 0 to 3 percent slopes. The soil designation applies to the uppermost 60 inches of soil. The Kermit-Berino fine sands soil is not listed as a hydric soil in Eddy County. A soil must be listed as hydric to support classification as a jurisdictional wetland. This further supports the determination that the discharge area is not within a wetland or within 500 feet of a wetland.

The 1983 edition of the Loco Hills, New Mexico 7.5-minute USGS Topographic Quadrangle maps was reviewed for waters of the U.S. These maps indicate no water features in the vicinity of the proposed discharge area.

iv. Within the area overlying a subsurface mine.

The 1983 edition of the Loco Hills, New Mexico 7.5 minute USGS Topographic Quadrangle Map map was reviewed. No surface and/or subsurface mine was indicated in the general area of the proposed discharge area (see Appendix C-1).

Staff from the New Mexico Mining and Minerals Division's (MMD) Abandoned Mine Land Program were contacted to query the location for the proposed discharge area regarding abandoned mines. The resulting search indicated no abandoned mines within the area. The Active Mines Program GIS database was queried for active mines in the area. The nearest active mines are aggregate mines located several miles to the north and west from Loco Hills. The database search depicted no mines within the general area of the proposed discharge area. Correspondence from MMD is included in Appendix C.

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

As demonstrated by a site inspection conducted on January 16, 2014, there are no permanent residences, schools, hospitals, institutions, or churches within 500 feet of the proposed discharge area (see Appendix A).

Item f. Brief description of the activities that produce the discharge

Pressure testing with water, also known as hydrostatic testing, is one of the tools operators use to verify AST integrity. The purpose of hydrostatic testing of an AST is to determine the extent to which potential defects might threaten the AST's ability to sustain maximum allowable holding capacity. Because this is a new AST, previous contents of the AST do not need to be cleared.

Potable water will be introduced into the AST to capacity. If leaks or breaks occur, the AST is repaired or the affected AST is replaced, and then re-tested. Once the test is complete, the water will be discharged from the AST into the dissipation and discharge system (see Figure 3).

Item g. Method and location for collection and retention of fluids and solids.

Because the AST is new, solids are not anticipated to be produced as a result of the hydrostatic testing. Once hydrostatic testing has been completed, water will be tested for water quality, as described in item j. Water will then be held in the AST until test results are received and approved. Once approval to discharge has been received, the test water will be allowed to flow from the AST into the 200,000 square foot easement/ROW (NM06130. Lease information is included in Appendix G.

Item h. Brief description of the Best Management Practices to be implemented to contain the discharge 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 hosing connected to the AST at a rate of approximately 210 gallons per minute (gpm) into the hydrostatic waste water dissipation system. A connector pipe is attached to the end of the hosing and to a baffle "T" located with the dissipation structure. To control spills, spill trays will be placed at either end of the hose connection. AST water will gradually be released and allowed to flow onto the discharge area. The dissipation and discharge structure will be built to maintain the proper flow rate to avoid scouring the landscape. A two foot berm will be placed along the southern boundary of the discharge area to prevent discharge outside of the permitted area (Figure 2). A diagram of the hydrostatic waste water dissipation and discharge system is shown in Figure 3.

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

No other alternate use or discharge location is proposed. Should the water exceed the discharge limitations, it will be handled as described in item k below.

Item j. Proposed hydrostatic test wastewater sampling plan.

Prior to discharge from the AST, HEP will collect and analyze a sample of the water used in the hydrostatic testing. The sample will be collected from the discharge location and analyzed using the following methods:

Sampling Plan for Compliance with 20.6.2.3103 (A), (B), (C) NMAC		
Analytes	Method	Bottle Type/Preservative
Volatile Organics	8260B	3 x 40 ml VOAs/HCL
Ethylene Dibromide	504.1	2 x 40 ml VOAs/$Na_2S_2O_3$
Polychlorinated Biphenols	8082	2 x liter amber/unpreserved
Polynuclear Aromatic Hydrocarbons	8310	1 x liter amber/unpreserved
Phenols	9067	1 x liter amber/H_2SO_4
Anions, TDS, pH	300.0 SM 2540C SM 4500 H+B	1 x 500 ml plastic/unpreserved 1 x 125 ml plastic/H_2SO_4
Mercury	245.1	1 x 500ml plastic/HNO_3
Dissolved Metals	200.7/200.8	1 x 125 ml plastic + filter & syringe/HNO_3
Total Cyanide	335.4	1 x 500 ml plastic amber/NaOH

Once the results have been received, they will be forwarded to the NMOCD for approval. Once approval is received, the water will be discharged in accordance with the approved discharge permit.

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

If hydrostatic test water analytical results exceed the standards of 20.6.2.3103 NMAC for discharge, it will be transferred by vacuum pump or gravity feed directly from the AST into tanker trucks for transport off-site. HEP will contract Basic Energy Services, LP to haul (NMOCD Order No. C133-401), and dispose of the test wastewater at the Shugart State #2 SWD (API #: 3001532438), Order Number SWD-1340-0, located at latitude 32.7453657522°, longitude -103.877740458°, and operated by Basic Energy Services, LP. C-138. Manifest forms will be prepared and provided with all liquid waste that is hauled for disposal.

Item l. ***Brief description of the quality and volume of the discharge.***

- The volume of the hydrostatic test water that is expected to be discharged is approximately 1,912,497.3 gallons. The source of water used for the hydrostatic test will be from two different taps which sources water from four different wells: L03599, L03599S4, L03599S2, and L03599S3.

A new AST will be tested which is not expected to impact the quality of the water used for the testing.

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

The New Mexico Bureau of Mines and Mineral Resources Ground-Water Report 3, *Geology and Ground-Water Resources of Eddy County, New Mexico*, 1952, was referenced. The area is described in general terms, and based on this report the principal aquifers are the Permian Chalk Bluff formation and Rustler formation, and the Triassic Dockum group. Strata dip gently to the east and southeast. The report states that water for stock and domestic use is generally obtained from limestone, gypsum, and redbeds of the Chalk Bluff formation or Whitehorse group from depths of approximately 200 feet (See Appendix D-1).

New Mexico geology and USGS karst information was reviewed. Karst geology features appear to have not been mapped for the general area of the Beeson Station and data does not exist in that area; however, the nearest USGS-mapped karst is approximately 2.5 miles to the southwest and is described as, "Fissures, tubes, and caves over 1,000 feet long, 50 to over 250 feet vertical extent, in gently dipping to flat lying beds of gypsum". The surficial geology in the area of the Beeson Station is defined as "Qe/Qp" Quaternary-Eolian Piedmont Deposits (see Appendix D-2).

As stated previously, the U.S. Department of Agriculture publication Soil Survey of Eddy County, New Mexico identifies the soils at the Beeson Station and surrounding area as the Kermit-Berino fine sands "KM". This is an association of nearly level and gently sloping (0-3%), well-drained soils with fine sandy loam subsoil. These soils occur in a broad area of Eddy County. The soils are generally regarded as excessively or well drained with low water holding capacity and a high capacity to transmit water.

Item n. ***The depth to and total dissolved solids concentration of the groundwater most likely to be affected by the discharge.***

The NMOSE website point of diversion summary (PODS) and water rights summary database was accessed to obtain the reports shown in Appendix B. Based on the nearest existing water well data (RA 11914 POD1), the depth to groundwater is approximately 80 feet below ground surface (bgs) (see section ii). Based on the elevation data provided on the topographic map, the ground surface elevation at this well location is approximately 3,658 feet above mean sea level (amsl). The ground elevation at the discharge location is approximately 3,510 feet. Based on this topographical

difference, exact depth to groundwater could not be determined. Water quality information was not available for the well.

As site specific information could not be determined, regional information was obtained. According to the New Mexico Bureau of Mines and Mineral Resources Ground-Water Report 3, *Geology and Ground-Water Resources of Eddy County, New Mexico*, 1952, the availability of groundwater is described (Groundwater Report 3 Plate 4) in an area designated as Area 5c: East of the Pecos River, "Stock and domestic supplies available at depths less than 300 feet in Triassic redbeds; quality generally fair but locally impotable." Furthermore, water available in the area east of the Pecos River is described as, "...obtained from wells in limestone, gypsum, and redbeds of the Chalk Bluff or Whitehorse group at depths as great as 200 feet" (Page 79, Ground Water Report 3). Total dissolved solids values in the region range from as low as 478 parts per million (ppm) to 3,920 ppm.

Item o. Identification of landowners at and adjacent to the discharge site and collection/retention site. Landowners within 1/3-mile of the boundary of the discharge point within the North Artesia to Beeson Pipeline and AST easement.

As described previously, all dewatering of the AST will be conducted at the proposed discharge area (Figure 2). The proposed discharge area is in a ROW held in leasehold by HEP. All property surrounding and including the proposed discharge area is owned by the BLM.

ASSUMPTIONS AND LIMITATIONS

The information presented in this permit application is based on best available information obtained from multiple sources through the New Mexico Office of the State Engineer, the New Mexico Mines and Mineral Resources Division, New Mexico Institute of Mining and Technology, The United States Fish and Wildlife Service, United States Department of Agriculture Natural Resources Conservation Service, and also based on information provided by HEP. TRC has made a reasonable attempt to verify and cross reference the information.

FIGURE 1

BEESON STATION AST

Document Path: J:\Holly_Energy_Partners\Beeson_Hydrostatic_Testing\Beeson_Tank\216228_1.mxd

Legend

- Two-Foot Berm
- Temporary Hose
- New Beeson Tank
- Right-of-Way
- Overflow Pipe
- Discharge Location

0 75 150 300

Feet

SCALE IN FEET

1 " = 150 '

N

Service Layer Credits: Google Imagery, 02/13/2014

BEESON STATION AST LOCATION

HOLLY ENERGY PARTNERS
EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_1
AUTHOR: MLOVELACE	DATE: 5/8/2014

TRC
505 E. HUNTLAND DR.
SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FIGURE
1

FIGURE 2

AST PROPOSED DISCHARGE AREA

Document Path: J:\Holly_Energy_Partners\Beeson_Hydrostatic_Testing\Beeson_TankK216228_2.mxd

Legend

- Two-Foot Berm
- Temporary Hose
- New Beeson Tank
- Right-of-Way
- Overflow Pipe
- Discharge Location
- Discharge Area

Service Layer Credits: Google Imagery, 02/13/2014

0 75 150 300

Feet

SCALE IN FEET

1 " = 150 '

N

BEESON TANK & PROPOSED DISCHARGE AREA

HOLLY ENERGY PARTNERS
EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_2
AUTHOR: MLOVELACE	DATE: 5/8/2014

TRC
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SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FIGURE 2

FIGURE 3

DISSIPATION AND DISCHARGE SYSTEM

DISSIPATION AND DISCHARGE SYSTEM

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
LOCO HILLS, EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_3
AUTHOR: MLOVELACE	DATE: 5/8/2014

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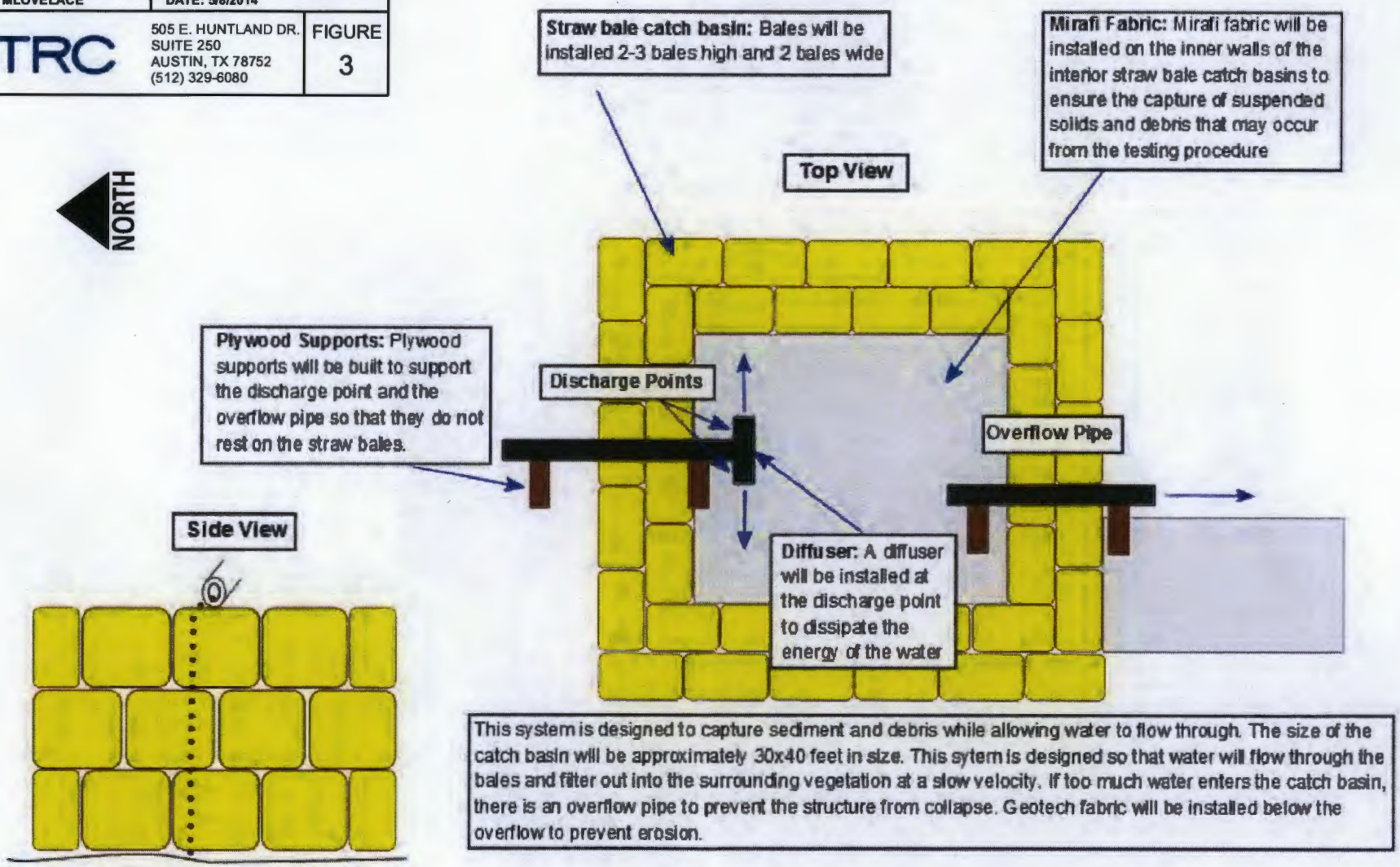
AUSTIN, TX 78752
(512) 329-6080

FIGURE 3



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 sytem 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.

Document Path: J:\Holly_Energy_Partners\Beeson_Hydrostatic_Testing\Artesia_to_Beeson\216228_3.mxd

APPENDIX A

CERTIFICATION OF SITING CRITERIA

Certification of Siting Criteria

Hydrostatic Test Wastewater at Beeson Station, Eddy County, New Mexico

I, Tom Vasquez, of Holly Energy, have performed a site visit and visual inspection on January 16, 2014 to look for the presence of watercourses, lakebeds, playa lakes, residences, schools, churches, evidence of water wells, mines, and institutions within the specified distances (listed below) of the Beeson Station vicinity of latitude 32.781940, longitude -103.959967 (NE1/4 of NW ¼ of Section 3, Township 18 S, Range 30 E), in Eddy County New Mexico. The following criteria were used as a primary guideline for inspection of the Beeson Station discharge location. Based on visual observations, the discharge location is not:

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

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

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

iv. Within the area overlying a subsurface mine; or

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

To the best of my ability and judgment the observations made at the site are true and accurate. I did not observe evidence of any of the above listed features within the above specified distances, or in surrounding areas. The area immediately to the south of the station pad appears to have been graded and leveled. There was no evidence of any feature that would be negatively affected by the discharge.

Signature: _____

Name: Tom Vasquez

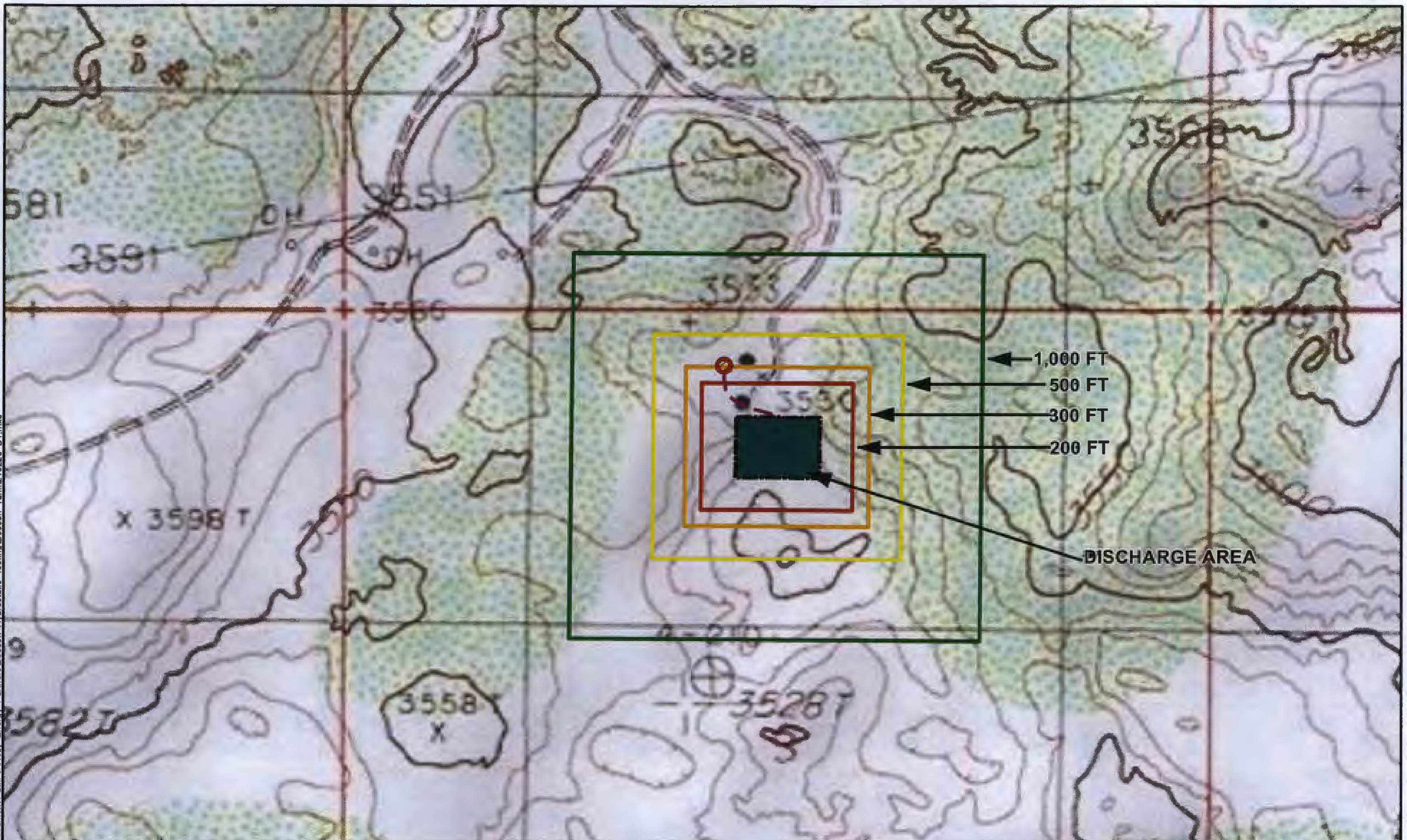
Title: Project Engineer

Date: 3-19-14

APPENDIX B

WATER FEATURE, WATER WELL INFORMATION, AND FLOODPLAIN INFORMATION

Document Path: J:\Holly Energy Partners\Beeson Hydrostatic Testing\Beeson Tank\216228_B1.mxd



Legend

Surface Water
- Estuary
- Lake/Pond
- Playa
- Reservoir
- Swamp/Marsh
- Arroyo

Wetlands
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

- Discharge Area
- New Beeson Tank
- Right-of-Way
- Streams or Rivers
- Springs
- Temporary Hose

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 '

Service Layer Credits: National Wetlands Inventory, National Hydrography Database, USGS 7.5' Topographic Quadrangles - Loco Hills, Eddy County, New Mexico

N

SURFACE WATER AND WETLANDS NEAR THE DISCHARGE AREA

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
LOCO HILLS, EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_B1
AUTHOR: MLOVELACE	DATE: 5/8/2014

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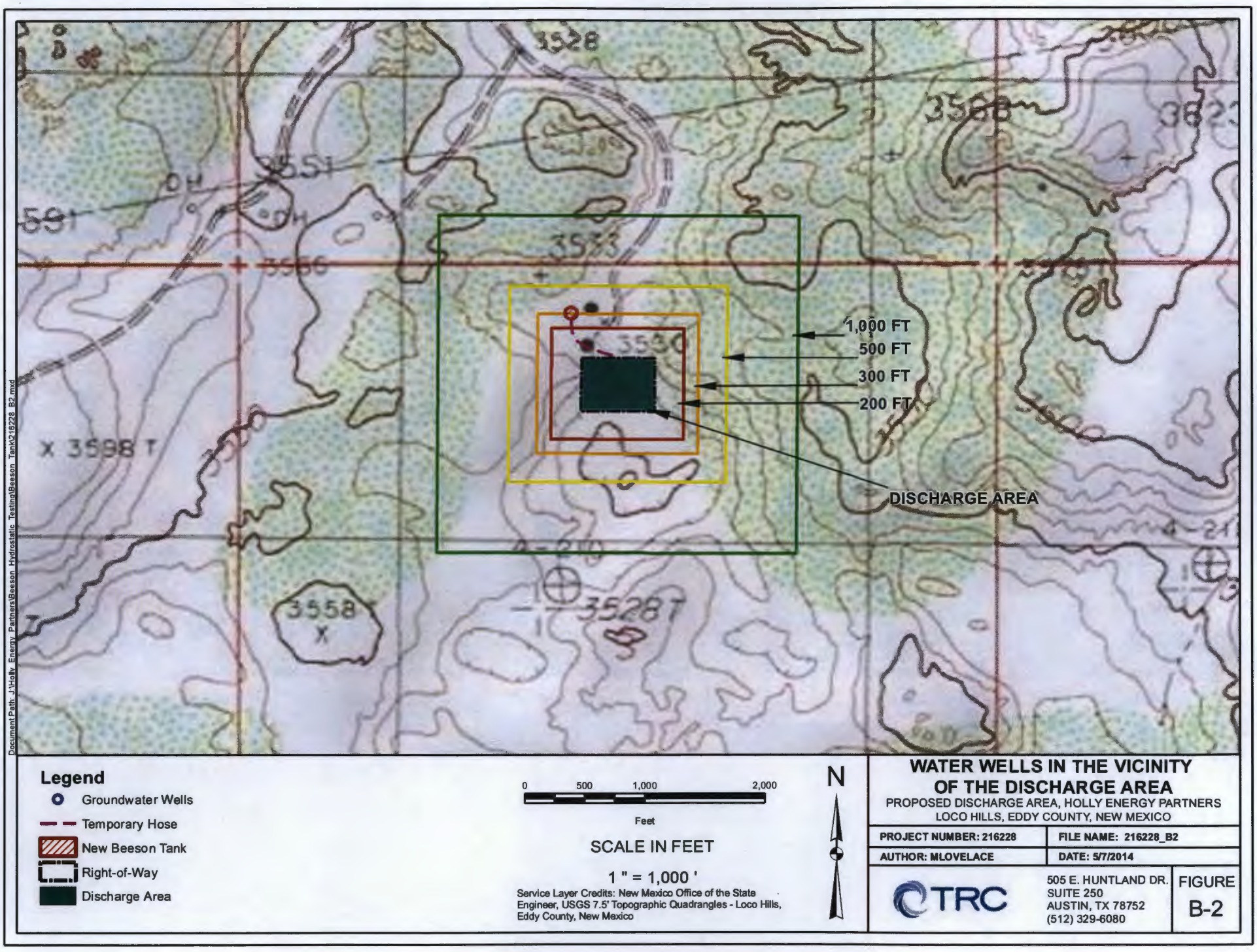
(512) 329-6080

FIGURE B-1



Legend

- Groundwater Wells
- Temporary Hose
- New Beeson Tank
- Right-of-Way
- Discharge Area

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 '

Service Layer Credits: New Mexico Office of the State Engineer, USGS 7.5' Topographic Quadrangles - Loco Hills, Eddy County, New Mexico

N

WATER WELLS IN THE VICINITY OF THE DISCHARGE AREA

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
LOCO HILLS, EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_B2
AUTHOR: MLOVELACE	DATE: 5/7/2014

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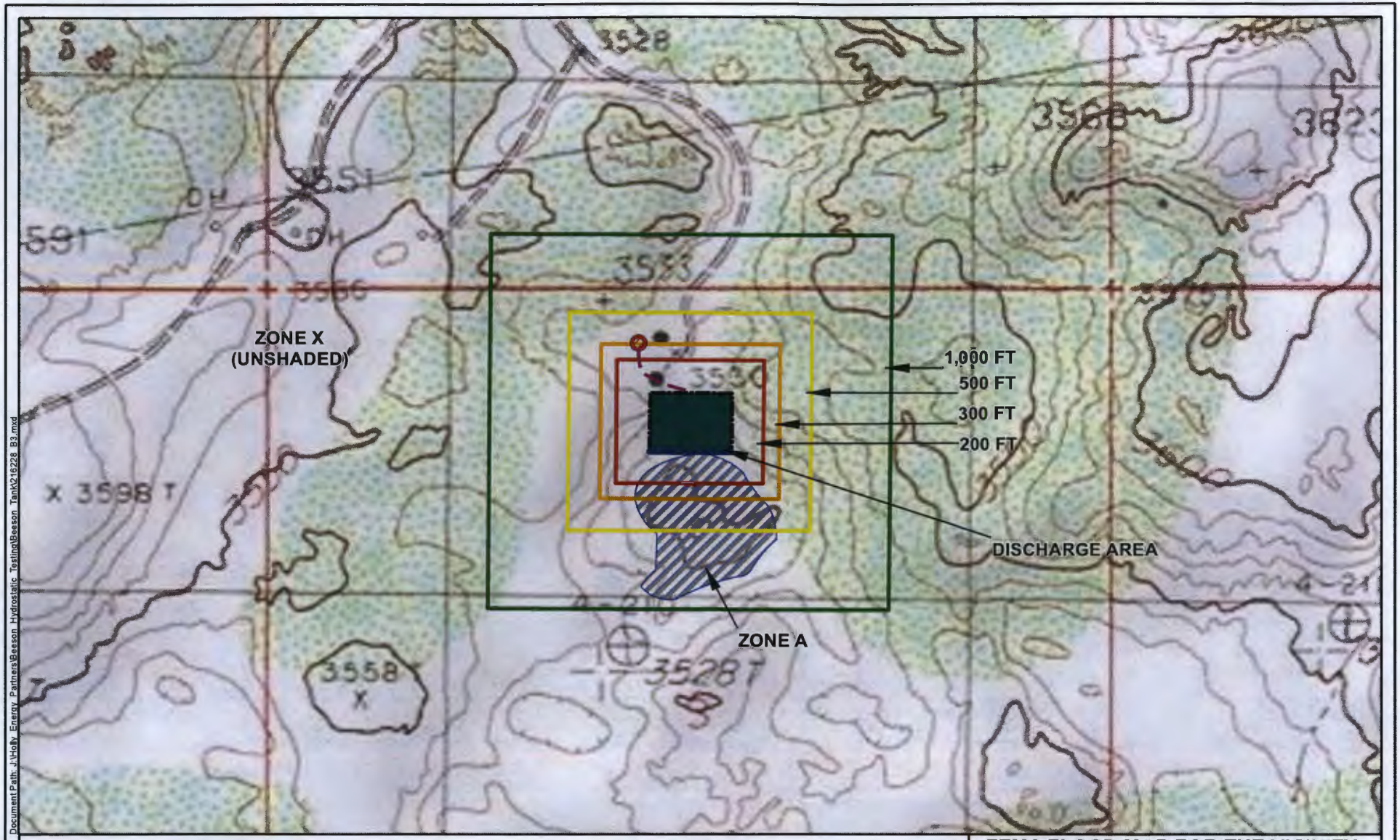
AUSTIN, TX 78752
(512) 329-6080

FIGURE B-2



Document Path: J:\Holly Energy Partners\Beeson Hydrostatic Testing\Beeson Tank\216228 B3.mxd

Legend

- Temporary Hose
- Two-Foot Berm
- New Beeson Tank
- Right-of-Way
- Discharge Area
- FEMA 100 Year Flood Zone

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 '

Service Layer Credits: New Mexico Office of the State Engineer, USGS 7.5' Topographic Quadrangles - Loco Hills, Eddy County, New Mexico

N

FEMA FLOOD MAP FOR THE VICINITY OF THE DISCHARGE AREA

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
LOCO HILLS, EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_B3
AUTHOR: MLOVELACE	DATE: 5/8/2014

TRC
505 E. HUNTLAND DR.
SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FIGURE
B-3

New Mexico Office of the State Engineer
Wells with Well Log Information

No wells found.

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 597337.95 **Northing (Y):** 3627313.98 **Radius:** 305

New Mexico Office of the State Engineer
Wells Without Well Log Information

No wells found.

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 597337.95 **Northing (Y):** 3627313.98 **Radius:** 305

New Mexico Office of the State Engineer
Wells with Well Log Information

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-basin Code	County	Source	q 6416	q 4	q 2	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
RA 11914 POD1		ED	Shallow	2	4	2	20	17S	30E	594801	3632002	5330	03/19/2013	03/19/2013	04/09/2013	85	80	JOHN NORRIS	1682
RA 11590 POD1		ED		2	1	3	32	17S	31E	603315	3628545	6102	01/20/2010	01/26/2010	04/23/2010	158			225
RA 11590 POD4		ED		4	1	1	32	17S	31E	603308	3629253	6276	01/21/2010	01/22/2010	04/23/2010	55			225
RA 11590 POD3		ED		3	1	2	32	17S	31E	603932	3629260	6875	01/22/2010	01/22/2010	04/23/2010	60			225

Record Count: 4

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 597337.95 **Northing (Y):** 3627313.98 **Radius:** 10000

New Mexico Office of the State Engineer
Point of Diversion Summary

POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
RA 11914 POD1	2	4	2	20	17S	30E	594801	3632002

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)
(NAD83 UTM in meters)

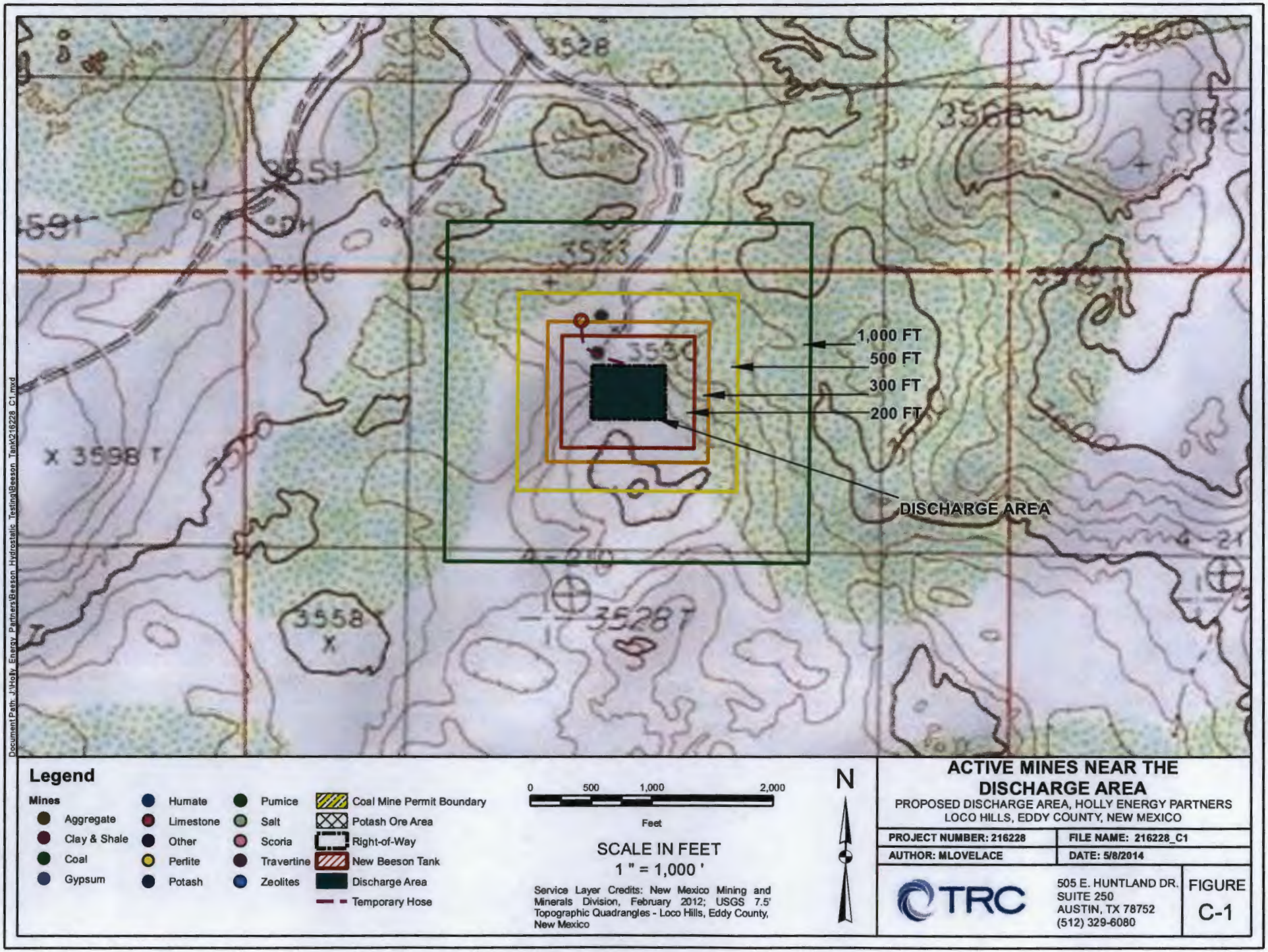
Driller License: 1682
Driller Name: JOHN NORRIS

Drill Start Date:	03/19/2013	**Drill Finish Date:**	03/19/2013	**Plug Date:**	
Log File Date:	04/09/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	85 feet	**Depth Water:**	80 feet

Water Bearing Stratifications:	Top	Bottom	Description
	11	85	Sandstone/Gravel/Conglomerate

APPENDIX C

AREA MINE INFORMATION



Legend

Mines

- Aggregate
- Clay & Shale
- Coal
- Gypsum
- Humate
- Limestone
- Other
- Perlite
- Potash
- Pumice
- Salt
- Scoria
- Travertine
- Zeolites
- Coal Mine Permit Boundary
- Potash Ore Area
- Right-of-Way
- New Beeson Tank
- Discharge Area
- Temporary Hose

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 '

Service Layer Credits: New Mexico Mining and Minerals Division, February 2012; USGS 7.5' Topographic Quadrangles - Loco Hills, Eddy County, New Mexico

N

ACTIVE MINES NEAR THE DISCHARGE AREA

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
LOCO HILLS, EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_C1
AUTHOR: MLOVELACE	DATE: 5/8/2014

TRC
505 E. HUNTLAND DR.
SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FIGURE C-1

Glass, Teal

From: Tompson, Mike, EMNRD <Mike.Tompson@state.nm.us>
Sent: Monday, March 17, 2014 11:44 AM
To: Glass, Teal
Subject: RE: Mine Inquiry

Teal,

The information is still correct. As of today, we have no knowledge of any abandoned mines in those three locations.

Please let me know if you need anything else.

Mike

From: Glass, Teal [mailto:TGlass@trcsolutions.com]
Sent: Monday, March 17, 2014 10:15 AM
To: Tompson, Mike, EMNRD
Cc: Boer, Adrienne
Subject: Mine Inquiry

Hi Mike,
My name is Teal Glass and I'm completing a permit for discharge at latitude 32.781940, longitude -103.959967. I know (per attached) you had previously communicated with Jubal regarding mines within a ½ mile radius of this point. I just wanted to confirm that the attached information is still correct. Let me know if there is someone else I should speak with.
Thanks!
Teal

Grubb, Jubal

From: Tompson, Mike, EMNRD <Mike.Tompson@state.nm.us>
Sent: Thursday, June 20, 2013 3:24 PM
To: Grubb, Jubal
Cc: Kretzmann, John, EMNRD
Subject: RE: Mine querry

JGG,

The New Mexico Abandoned Mine Land Program has no record of any abandoned mines within a ½-mile radius of these three points.

We do not have a geospatial portal available to the public at this time but I would be happy to look up any other inquiries for you in the future.

Please let me know if you have any other questions.

Mike Tompson
(505) 476-3427

From: Grubb, Jubal [mailto:JGrubb@trcsolutions.com]
Sent: Wednesday, June 19, 2013 4:34 PM
To: Tompson, Mike, EMNRD
Subject: Mine querry

Mr. Thompson,

Good Afternoon. Mr. Kretzmann recommended that I contact you regarding a querry for abandoned surface/subsurface mines in particular locations that I am working.
There is a client that is proposing pipelines in Eddy County. One of the information requirements through the New Mexico Oil Conservation District is a search for mines.

I have three locations from our client that I am requesting information for:

1. 32.781940, -103.959967
2. 32.833497, -103.997489
3. 32.830708, -104.022467

Could you let me know if there is a mapping portal that I could query, or would you need to do it?

Thanks Much,
-JGG

Jubal Grubb, P.G. (TX 1058)
Geologist
505 E. Huntland Dr., Suite 250, Austin, TX 78752
T: 512.684.3170| F: 512.329.8750| C: 512.589.2556

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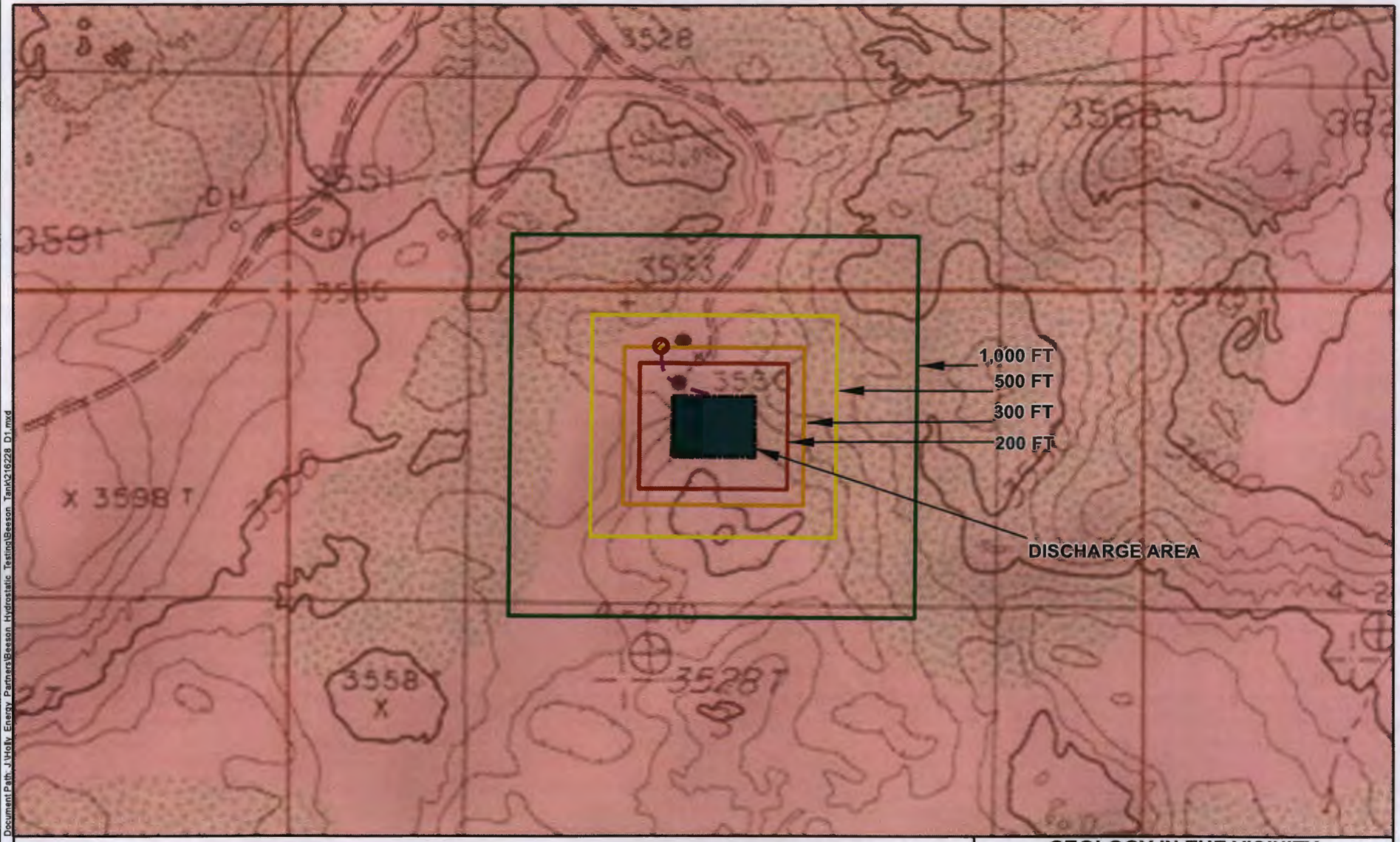
This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit http://www.symanteccloud.com

APPENDIX D

GEOLOGY



Document Path: J:\Holly Energy Partners\Beeson Hydrostatic Testing\Beeson Tank\216228_D1.mxd

Legend

- Temporary Hose
- New Beeson Tank
- Right-of-Way
- Discharge Area

Geology

- Qe/Qp - Eolian

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 '

Service Layer Credits: USGS OFR 2005-21351; USGS 7.5' Topographic Quadrangles - Loco Hills, Eddy County, New Mexico

N

GEOLOGY IN THE VICINITY OF THE DISCHARGE AREA

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
LOCO HILLS, EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_D1
AUTHOR: MLOVELACE	DATE: 5/8/2014

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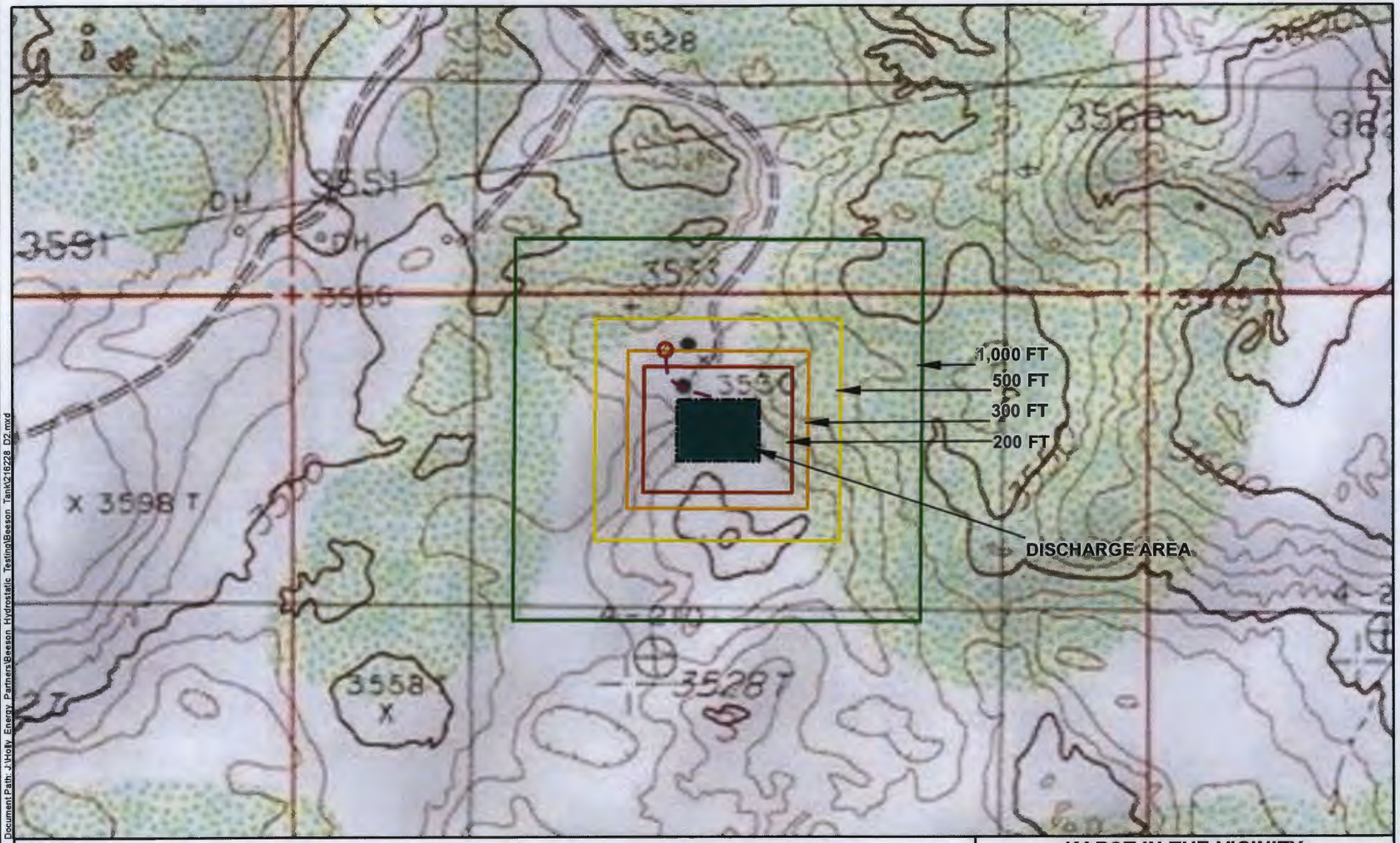
SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FIGURE
D-1



KARST IN THE VICINITY OF THE DISCHARGE AREA

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_D2
AUTHOR: MLOVELACE	DATE: 5/7/2014

TRC
505 E. HUNTLAND DR.
SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FIGURE D-2

APPENDIX E

AREA LANDOWNERSHIP

Document Path: J:\Holly Energy Partners\Bessie Hydrostatic Testing\Bessie Task\216228_E1.mxd

Legend

- Temporary Hose
- New Beeson Tank
- Right-of-Way
- Discharge Area

Land Ownership

- U.S. Bureau of Land Management
- State of New Mexico

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 feet

Service Layer Credits: New Mexico BLM GIS dataset, USGS 7.5' Topographic Quadrangles - Loco Hills, Eddy County, New Mexico

N

LAND OWNERSHIP IN THE VICINITY OF THE DISCHARGE AREA

PROPOSED DISCHARGE AREA, HOLLY ENERGY PARTNERS
EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_E1
AUTHOR: MLOVELACE	DATE: 5/7/2014

TRC
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SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FIGURE
E-1

APPENDIX F

PUBLIC NOTICE

PUBLIC NOTICE

The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines. Holly Energy Partners, Operating L.P. (HEP) 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 20.6.2.3103 New Mexico Administrative Code. The local HEP mailing address is: Holly Energy Partners, Operating L.P. 1602 W. Main Street, Artesia, NM 88210.

The purpose of hydrostatic (testing with water) above ground storage tank (AST) testing is to determine the extent to which potential defects might threaten the tank's ability to maintain maximum holding capacity. The AST will be filled with water to capacity for a specified duration of time.

HEP has submitted an application for hydrostatic test water discharge that will occur on the right-of-way at latitude 32.781940°, longitude -103.959967° in Eddy County, New Mexico. The location of the discharge is approximately 26 miles east-southeast of Artesia New Mexico and is located approximately 2.8 miles southeast of the village of Loco Hills, New Mexico. To reach the discharge location from Artesia go east on State Highway 82 from the intersection of State Highway 82 and First Street (also known as the Lovington Highway) for 24.7 miles (mile marker is not currently known), then go south on County Road 217 (also known as Hagerman Cutoff Road) for approximately 0.42 miles (mile marker is not currently known) until intersection with the second unpaved and unnamed east-trending road. Turn southeast on unnamed road and go approximately 2.7 miles. Road dead-ends at Beeson Station pad site. The hydrostatic test is scheduled on or about July 9, 2014 with discharge of the test water scheduled on or about July 16, 2014.

The new AST will be hydrostatically tested. The volume of the hydrostatic test water that is expected to be discharged is approximately 1,912,497.3 gallons. Clean water will be obtained from two different taps which source water from 4 different wells. The water will be hauled to the site and pumped via hose into the AST. Once the test has been completed, and prior to discharge, HEP will collect and analyze a sample of the water obtained from the AST. 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, HEP 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 the AST and the test water will be discharged to the dissipation and discharge system and allowed to flow onto ground surface within the ROW.

If hydrostatic test water analytical results exceed the greater of the standards of NMAC 20.6.2.3103 for discharge, it will be transferred directly from the AST into tanker trucks for transport off-site. HEP will contract Basic Energy Services, LP to haul (NMOCD Order No. C133-401), and dispose of the test wastewater at the Shugart State #2 SWD (API #: 3001532438), Order Number SWD-1340-0, located at latitude 32.7453657522°, longitude -103.877740458°, and operated by Basic Energy Services, LP. C-138 manifest forms will be prepared and provided with all liquid waste that is hauled for disposal.

Limited data on shallow groundwater conditions was available from wells located near the discharge site. As site specific information could not be determined, regional information was obtained. Stock and domestic supplies are available at depths of less than 300 feet in Triassic redbeds; and quality is generally fair but locally impotable. Water available in the area east of the Pecos River is at depths as great as 200 feet. Total dissolved solids values in the region range from 478 to 3,920 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, you can request 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 AST upon request.

AVISO PÚBLICO

El Departamento de Transporte de Estados Unidos (United States Department of Transportation [USDOT]) requiere pruebas periódicas de presión en todas las tuberías USDOT regulada. Holly Energy Partners, L.P. de funcionamiento (HEP) da aviso que ha presentado la solicitud de permiso de descarga siguiente a la New México Oil Conservation Division (NMOCD) conformidad con el Subsección B, C, E y F de 20.6.2.3103 del Código Administrativo de Nuevo México. La dirección de correo local de HEP es: Holly Energy Partners, Operating L.P. 1602 W. Main Street, Artesia, NM 88210.

El propósito del gasoducto hidrostática (prueba con agua) del tanque (above ground storage tank [AST]) es determiner los defectos potenciales que presasegian la abilidad del tanque a mantener su capacidad maxima. La AST será lleno de agua completamente por un período de tiempo especificado.

HEP ha presentado una solicitud de descarga del agua de prueba hidrostática que ocurrirá en el derecho de paso del gasoducto en latitud 32,781940°, longitud-103.959967° en el Condado de Eddy Nuevo México. La ubicación de la descarga es aproximadamente 26 millas este-sudeste de Artesia, Nuevo México y está ubicado a aproximadamente 2.8 millas al sureste de las aldea de Loco Hills, Nuevo México. Para alcanzar la descarga ubicación de Artesia vamos oriente en el State Highway 82 desde la intersección de State Highway 82 y First Street (también conocido como el Lovington Highway) 24.7 millas (la milla actualmente no se conocido), entonces vamos sur al County Road 217 (también conocido como camino de Hagerman Cutoff) para aproximadamente 0.42 milla (la milla actualmente no se conocido) hasta el cruce con la segunda sin asfaltar y sin nombre oriental-tendencias calle. Gire al sureste en camino sin nombre y aproximadamente 2.7 millas. Camino acaba en Beeson Station sitio de almohadilla. La prueba hidrostática está prevista alrededor del 9 de Julio de 2014 con la descarga del agua prueba programada alrededor del 16 de Julio de 2014.

La AST será probado hidrostáticamente. El volumen de las aguas de prueba hidrostática que se esperan que sea dado de alta es de aproximadamente 1,912,497.3 galones que se desprenderán consecutivamente. Agua limpia se obtendrán dos grifos diferentes de que fuentes de agua de 4 pozos diferentes. El agua será llevado al sitio y bombeado a través de manguera en la AST. Una vez concluida la prueba y antes de la descarga, HEP a recopilar y analizar una muestra del agua obtenida de la sección del extremo de la AST. La muestras serán analizada por la calidad del agua. Una vez que han recibido los resultados, los resultados se enviarán a la NMOCD. Sobre la concurrencia de NMOCD que el agua de descarga cumple con los estándares de calidad de agua de NMAC 20.6.2.3103, HEP descargará el agua de acuerdo con el permiso de descarga homologadas. Si se aprueba la descarga a la superficie del suelo, el agua será liberado de la AST y el agua de prueba será dado de alta en el sistema de disipación y descarga y permite que fluya hacia la superficie de la tierra dentro de derecho de paso.

Si prueba hidrostática resultados analíticos de agua de exceder el mayor de los estándares de NMAC 20.6.2.3103 para la descarga, se lo transfiere directamente en la AST en camiones cisterna para el transporte fuera del sitio. HEP contratará Basic Energy Services, LP que acarrea (NMOCD número de pedido C133-401) y disponer de la prueba de las aguas residuales en el Shugart State #2 SWD (API #: 3001532438), número de pedido SWD-1340-0, ubicado en latitud

32.7453657522°, longitud-103.877740458° y es operado por Basic Energy Services, LP. Formas manifiestas C-138 sera preparará y proporcionadas de todos los residuos líquidos y sólidos que acarrea para disponer.

Los datos limitados sobre las condiciones de aguas subterráneas poco profundas estaba disponibles desde pozos ubicados cerca del sitio de descarga. El pozo más cercano, situado a 4 miles hacia el noroeste, tiene una profundidad divulgada a las aguas subterráneas de 80 pies por debajo de la superficie de la tierra. Basado en los datos de elevación proporcionados en el mapa topográfico, la elevación de la superficie terreno en este lugar pues es aproximadamente 3.658 pies sobre el nivel del mar (mean sea level [msl]). La elevación del suelo en el lugar de descarga es aproximadamente de 3.510 pies msl. Basado en la diferencia de elevación (148 pies) entre estos dos pozos, profundidad exacta a las aguas subterráneas no podría ser determinado. Información sobre concentraciones sólidas disueltas totales (total dissolved solid [TDS]) no estaba disponible en este pozo. Por lo tanto, se obtuvo información de la región. Concentraciones de TDS en una región de tan bajo como 478 partes por millón (parts per million [ppm]) a 3.920 ppm.

El aviso de intención y descarga el plan describe cómo produce agua y los residuos se gestionarán correctamente, incluyendo manipulación, almacenamiento y disposición final. El plan también incluye procedimientos para el adecuado manejo de las fugas, vertidos accidentales y derrames para proteger las aguas del Estado de Nuevo México. Para obtener información adicional, puede solicitar que sea colocado en una lista de correo de instalaciones específicas para futuras notificaciones, o para enviar comentarios, por favor póngase en contacto con:

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 NM Energy, Minerals and Natural Resources Department aceptará comentarios y las declaraciones de interés con respecto a esta prueba hidrostática y voluntad esto preven futuros avisos a petición de la AST.

APPENDIX G

LEASE INFORMATION

Recording Requested by and
When Recorded Return to:
Vinson & Elkins L.L.P.
2001 Ross Avenue
Suite 3700
Dallas, Texas 75201
Attention: Russell W. Oshman

STATE: New Mexico

COUNTIES: Eddy and Lea

CONVEYANCE, ASSIGNMENT AND BILL OF SALE
(Artesia Crude Oil Pipeline Tankage – Eddy County, NM)

Navajo Refining Company, L.L.C.
to
HEP Pipeline, L.L.C.

This Conveyance, Assignment and Bill of Sale (Artesia Crude Oil Pipeline Tankage – Eddy County, NM) ("*Assignment*"), dated effective for all purposes as of 12:01 a.m. Dallas, Texas time on February 29, 2008 (the "*Effective Time*"), is made and entered into by and between Navajo Refining Company, L.L.C., a Delaware limited liability company, whose address is 501 East Main, P.O. Drawer 159, Artesia, New Mexico 88210 ("*Assignor*"), and HEP Pipeline, L.L.C., a Delaware limited liability company whose address is 100 Crescent Court, Suite 1600, Dallas, Texas 75201 ("*Assignee*").

WITNESSETH:

For and in consideration of the amounts paid by Assignee to Assignor and other good and valuable consideration, the receipt and sufficiency of which Assignor hereby acknowledges, Assignor, as to its respective rights, title and interest in the property conveyed and assigned hereby, has transferred, bargained, conveyed, and assigned, and does hereby transfer, bargain, convey, and assign, to Assignee, effective for all purposes as of the Effective Time, the following properties and assets, whether real, personal or mixed, which are owned or held for use by Assignor in connection with the ownership and operation of Assignor's crude oil pipelines, products pipeline and tanks located in New Mexico and described in greater detail in the narrative description contained in Exhibit A (herein referred to as the "*Pipelines*," such properties and assets being hereinafter called the "*Pipeline Assets*"):

(a) Assignor's interest in the lease or leases as listed and designated as such in Exhibit B (such lease or leases, whether one or more, shall collectively be referred to as the "*Leases*");

(b) The fee acreage described and designated as such in Exhibit B hereto, if any (such fee acreage shall be collectively referred to as the "*Fee Acreage*") together with all improvements owned by Assignor and located on the Fee Acreage;

(c) The right of way easements, permits, property use agreements, and licenses associated with or used in connection with the Pipeline Assets, as listed and designated as such in Exhibit B (such right of way easements, permits, property use agreements, and licenses shall collectively be referred to hereinafter as the "*Easements*");

(d) All rights of Assignor that relate to the foregoing properties and assets and which consist of rights to occupy real property, whether by adverse possession, prescriptive rights or otherwise.

TO HAVE AND TO HOLD the Pipeline Assets, subject to the terms, exceptions and other provisions herein stated and to the Permitted Encumbrances (as defined below), together with all and singular the rights and appurtenances thereunto and in anywise belonging, unto Assignee; Assignor does hereby bind itself, and its successors and assigns, as to its respective interest in the Pipeline Assets as described on Exhibit B hereto, to warrant and defend title to the Pipeline Assets subject only to the Permitted Encumbrances, unto Assignee, against every person or entity whomsoever or whatsoever, as the case may be, lawfully claiming or to claim the same or any part thereof, by, through or under the Assignor specified in Exhibit B hereto, but not otherwise.

As used herein, the term *"Permitted Encumbrances"* shall mean:

(i) All legal requirements that govern or apply to the ownership, operation or transfer of such property;

(ii) Any lien for taxes that are not yet due and payable;

(iii) Materialmen's, mechanic's, repairmen's, employees', contractors', tax and other similar liens or charges arising in the ordinary course of business for obligations that are not delinquent or that will be paid and discharged in the ordinary course of business or, if delinquent, that are being contested in good faith by appropriate action;

(iv) Preferential rights to purchase and required third-party consents to assignments and similar agreements with respect to which waivers or consents are obtained from the appropriate parties;

(v) All rights reserved to or vested in any governmental, statutorial or public authority to control or regulate any of the real property interests constituting a part of the Pipeline Assets;

(vi) All easements, restrictions, reservations and covenants now of record affecting the Pipeline Assets;

(vii) Any matters that are waived without reservation in writing by Assignee or otherwise released or satisfied by Assignor on or prior to the Effective Time; and

(viii) Any encumbrances that do not materially impair the continued use and operation of the Pipeline Assets to which they relate and do not materially affect the value of the Pipeline Assets to which they relate.

Effective as of the Effective Time and in consideration of the conveyances made by Assignor hereunder, Assignee hereby agrees to be bound by the terms, conditions, and covenants of the Leases and the Easements. Assignee assumes all of the obligations and duties of Assignor under or in respect of the Leases and the Easements that arise from and after the Effective Time.

Assignor and Assignee agree to execute, acknowledge and deliver to each other such additional instruments, notices and documents, and to do all such other and further acts and things, as

may be reasonably necessary or useful to more fully and effectively evidence and effect the sale, conveyance, assignment, transfer and delivery by Assignor to Assignee of the Pipeline Assets conveyed hereunder or intended to be so conveyed.

This Assignment shall bind and inure to the benefit of Assignor and Assignee and, except as otherwise provided herein, their respective successors and assigns. This Assignment shall be governed by and interpreted in accordance with the laws of the State of Texas without regard to any conflicts of law rule that would direct application of the laws of another jurisdiction, except to the extent that it is mandatory that the law of some other jurisdiction, wherein the Pipeline Assets are located, shall apply. All Exhibits attached hereto are hereby made a part hereof and incorporated herein by this reference. References in such Exhibits to instruments on file in the public records are made for all purposes. Unless provided otherwise, all recording references in such Exhibits are to the appropriate records of the counties in which the Pipeline Assets are located. This Assignment may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Separate assignments of certain parts of the Pipeline Assets may be executed on officially approved forms by Assignor to Assignee in sufficient counterparts to satisfy applicable statutory and regulatory requirements. In addition, to facilitate recording or filing of this Assignment in the appropriate real property records, the counterpart to be recorded in a specific county may contain only those portions of the Exhibits that describe real property located in such county. Any such separate assignments or counterparts shall be deemed to contain all of the exceptions, reservations, rights, titles, powers and privileges set forth herein as fully as though they were set forth in each such assignment or counterpart. The interests conveyed by such separate assignments or counterparts are the same, and not in addition to, the Pipeline Assets conveyed herein.

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EXECUTED effective for all purposes as of the Effective Time.

ASSIGNOR:

NAVAJO REFINING COMPANY, L.L.C., a Delaware limited liability company

By: _____

Name: Bruce R. Shaw

Title: Vice President and Chief Financial Officer

ASSIGNEE:

HEP PIPELINE, L.L.C., a Delaware limited liability company

By: Holly Energy Partners – Operating, L.P., a Delaware limited partnership, its sole member

By: _____

Name: David G. Blair

Title: Senior Vice President

STATE OF TEXAS §
§
COUNTY OF DALLAS §

This instrument was acknowledged before me on February 28, 2008 by Bruce R. Shaw, Vice President and Chief Financial Officer of Navajo Refining Company, L.L.C., a Delaware limited liability company, on behalf of said limited liability company.

JULIE H. COOPER
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Expires 4-8-2009

Julie H. Cooper
Notary Public, State of Texas

STATE OF TEXAS §
§
COUNTY OF DALLAS §

This instrument was acknowledged before me on February 28, 2008 by David G. Blair, Senior Vice President of Holly Energy Partners – Operating, L.P., a Delaware limited partnership and sole member of HEP Pipeline, L.L.C., a Delaware limited liability company, on behalf of said limited liability company and limited partnership.

JULIE H. COOPER
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Expires 4-8-2009

Julie H. Cooper
Notary Public, State of Texas

List Of Exhibits:

Exhibit A –Pipelines
Exhibit B –Leases, Fee Acreage, and Easements

Exhibit A

Narrative Description

- **Artesia Crude Oil Pipeline Tankage.** Those crude oil tanks located in Eddy and Lea Counties, New Mexico, more particularly described as follows:
    - Abo Station, including all tanks, pump stations and other associated equipment, including without limitation Tank 1007, Eddy County, New Mexico;
    - Artesia Station including all tanks, pump stations and other associated equipment, including without limitation Tank 970, Eddy County, New Mexico;
    - Barnsdall Station including all tanks, pump stations and other associated equipment, including without limitation Tank 1028, Eddy County, New Mexico;
    - Beeson Station including all tanks, pump stations and other associated equipment, including without limitation Tanks 972 and 973, Eddy County, New Mexico;
    - Maljamar Park Station including all tanks, pump stations and other associated equipment, including without limitation Tanks 46, 47 and 48, Lea County, New Mexico; and
    - Henshaw Station including all tanks, pump stations and other associated equipment, including without limitation Tanks 1048 and 1049, Eddy County, New Mexico.

EXHIBIT B

Station Sites (Tankage) — Eddy County, New Mexico

State	County	Original Grantor	Original Grantee	Document Type	Document Date	Recording Date	Book / Page
Abo Station							
New Mexico	Eddy	Bureau of Land Management	Navajo Refining Company	Truck Unloading & Tanks Facility 009-075	6/7/1988	--	NM-72671 w/ amendment
Artesia Station							
New Mexico	Eddy	State of New Mexico	New Mexico Pipeline Company	Deed ROW 009-059, 009-377	5/21/1926	--	RW Deed No. 314
Barnsdall Station							
New Mexico	Eddy	Bureau of Land Management	Navajo Pipeline Co.	ROW/ Temp. Use Permit 009-047	10/4/1996	--	NM-96607
Beeson Station							
New Mexico	Eddy	Bureau of Land Management	Malco Refineries, Inc.	ROW + Plant 009-386	1/1/1952	--	NM-06130

BOOK 730 PAGE 0112

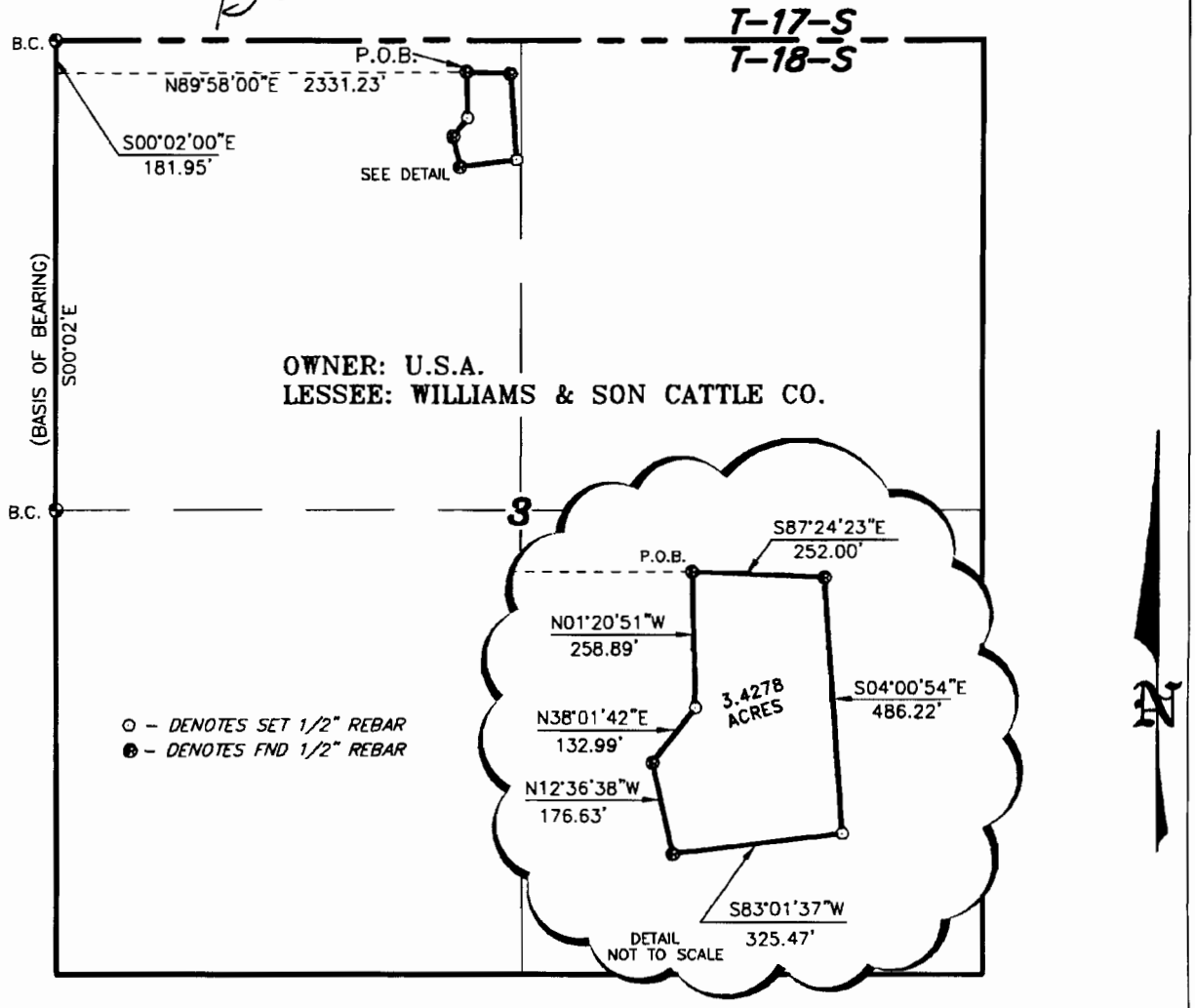
Henshaw Station

New Mexico	Eddy	Bureau of Land Management	Navajo Refining Co.	Pipeline & Station Grant	2/27/2001	--	NM-105028

089-273 B BLM-105028

RECEPTION NO: 0802630 STATE OF NEW MEXICO, COUNTY OF EDDY
RECORDED 03/07/2008 12:24 PM
BOOK 0730 PAGE 0103
DARLENE ROSPRIM, COUNTY CLERK

SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, **NEW MEXICO.**



LEGAL DESCRITION

A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT THAT LIES S00°02'00"E, 181.95 FEET AND N89°58'00"E, 2331.23 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 3; THENCE S87°24'23"E, 252.00 FEET; THENCE S04°00'54"E, 486.22 FEET; THENCE S83°01'37"W, 325.47 FEET; THENCE N12°36'38"W, 176.63 FEET; THENCE N38°01'42"E, 132.99 FEET; THENCE N01°20'51"W, 258.89 FEET TO THE POINT OF BEGINNING CONTAINING 3.428 ACRES, MORE OR LESS:

1000 0 1000 2000 FEET

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES N.M. P.S. No. 7977
TEXAS P.L.S. No. 5074

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

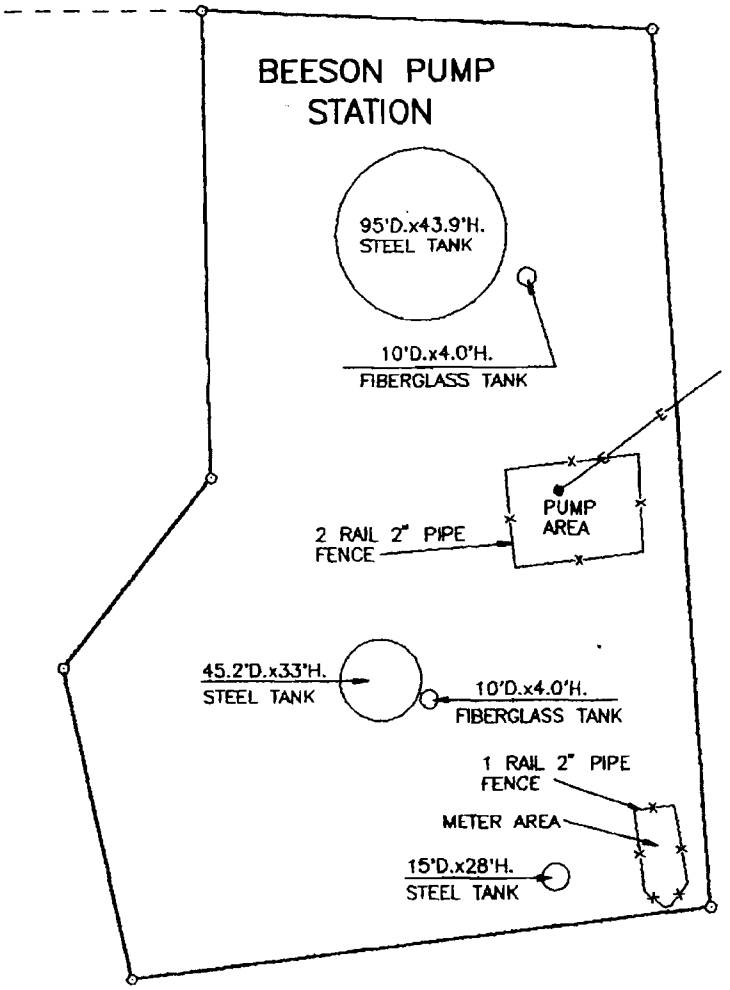
Navajo Refining Company

REF: BEESON PUMP STATION

A TRACT OF LAND LOCATED IN
SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

W.O. Number: 2775	Drawn By: K. GOAD		
Date: 10-04-2002	Disk: KJG CD#7 - NAV2775A.DWG	Survey Date: 10-03-2002	Sheet 1 of 1 Sheets

SECTION ~~15~~, TOWNSHIP ~~19~~ SOUTH, RANGE ~~38~~ EAST, N.M.P.M.,
EDDY COUNTY, 18 30 NEW MEXICO
3



100 0 100 200 FEET
SCALE: 1"=100'

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

JOHN W. WEST, N.M. R.E. & P.S. No. 676
TEXAS P.L.S. No. 1138
RONALD J. EIDSON, N.M. L.S. No. 3239
TEXAS P.L.S. No. 1883
GARY L. JONES N.M. P.S. No. 7977

NAVAJO REFINING COMPANY

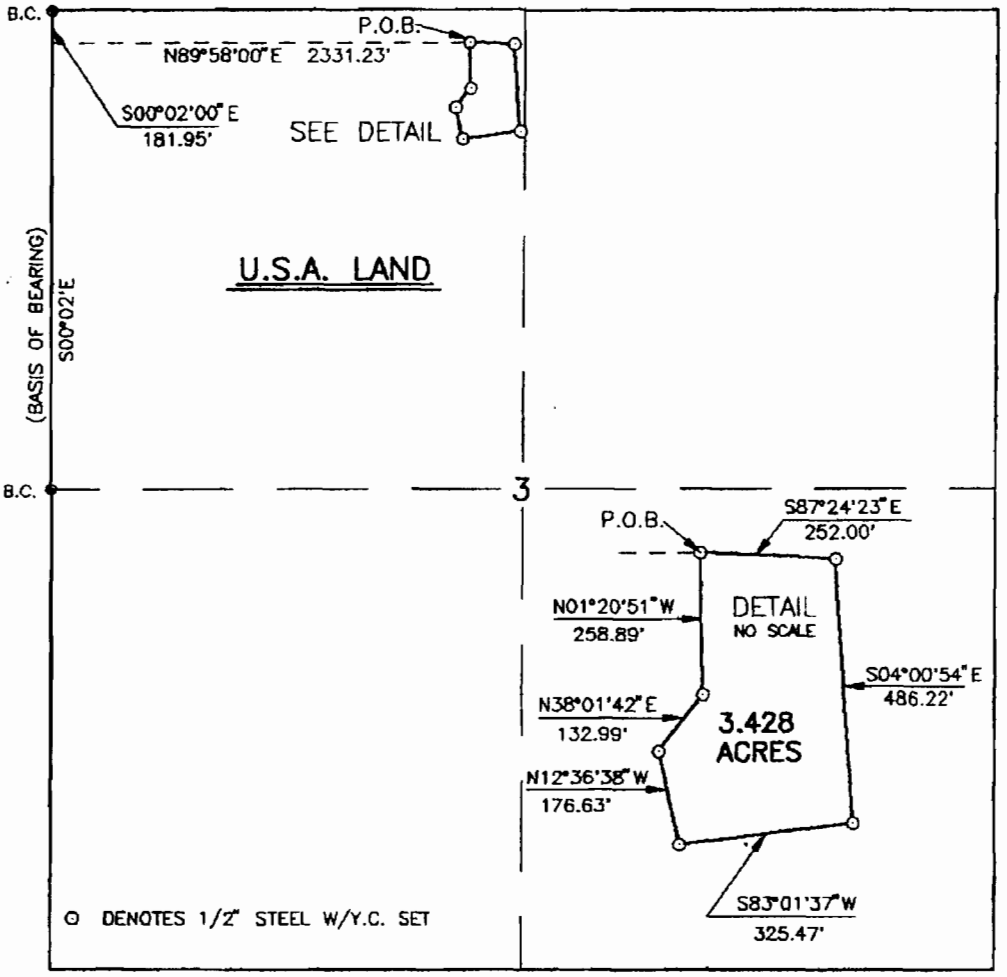
TOPO OF BEESON PUMP STATION LOCATED IN SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS & SURVEYORS – HOBBS, NEW MEXICO

Survey Date: 6/14/93		Sheet 1 of 1 Sheets	
W.O. Number: 94-11-1033		Drawn By: JAMES L. PRESLEY	
Date: 6/21/94	DISK: JLP#112	NAV1033C	Rev:

SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M.,

EDDY COUNTY, NEW MEXICO



LEGAL DESCRITION

A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT THAT LIES S00°02'00"E, 181.95 FEET AND N89°58'00"E, 2331.23 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 3; THENCE S87°24'23"E, 252.00 FEET; THENCE S04°00'54"E, 486.22 FEET; THENCE S83°01'37"W, 325.47 FEET; THENCE N12°36'38"W, 176.63 FEET; THENCE N38°01'42"E, 132.99 FEET; THENCE N01°20'51"W, 258.89 FEET TO THE POINT OF BEGINNING CONTAINING 3.428 ACRES, MORE OR LESS:

1000 0 1000 2000

SCALE: 1"=1000'

BEESON

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

JOHN W. WEST	N.M. P.E. & P.S.	No. 676
	TEXAS P.L.S.	No. 1138
RONALD J. EIDSON,	N.M. L.S.	No. 3239
	TEXAS P.L.S.	No. 1883
GARY L. JONES	N.M. P.S.	No. 7977
	TEXAS P.L.S.	No. 5074
GARY G. EIDSON	TEXAS P.L.S.	No. 4735

NAVAJO REFINING COMPANY

A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

JOHN W. WEST ENGINEERING COMPANY

CONSULTING ENGINEERS & SURVEYORS – HOBBS, NEW MEXICO

Survey Date: 6/21/94		Sheet 1 of 1 Sheets	
W.O. Number: 94-11-1033		Drawn By: JAMES L. PRESLEY	
Date: 6/21/94	DISK: JLP#112	NAV1033A	Rev: