HIP - __133__

GENERAL CORRESPONDENCE

YEAR(S): 2014 to Present

Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Wednesday, August 06, 2014 9:28 AM
To: 'Glass, Teal'
Cc: Boer, Adrienne; 'clemente.vasquez@hollyenergy.com'; Crain, Cindy (cindy.crain@urs.com)
Subject: RE: Artesia to Beeson Pipeline Analytical

Teal,

OCD hereby approves the discharge in accordance with the conditions of Permit HIP-133 and based upon the laboratory analytical results provided to OCD in the email below from TRC, dated August 6, 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: Wednesday, August 06, 2014 9:06 AM
To: Jones, Brad A., EMNRD
Cc: Boer, Adrienne; 'clemente.vasquez@hollyenergy.com'; Crain, Cindy (cindy.crain@urs.com)
Subject: Artesia to Beeson Pipeline Analytical

Hi Brad,
Please see the attached analytical. The water from the Beeson Tank which was approved for discharge (analytical attached) was used to perform the hydrostatic test on the N. Artesia to Beeson pipeline. Samples were collected on 7/24/14 from the HEP 8" N. Artesia pipeline and analyzed for all WQCC constituents except Radium 226/228 (analytical attached). A water sample was collected from the Beeson tank on 6/23/14, and analyzed for all WQCC constituents including Radium 226/228. As water from the tank was obtained from 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], and water in a new steel pipeline would not affect the Radium concentration, Radium samples were not collected from the pipeline on 7/24/14. As all constituents are below the approved Discharge Limits, HEP requests approval for discharge from the 8" N. Artesia pipeline.
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

Jones, Brad A., EMNRD

From: Glass, Teal <TGlass@trcsolutions.com>
Sent: Wednesday, August 06, 2014 9:06 AM
To: Jones, Brad A., EMNRD
Cc: Boer, Adrienne; 'clemente.vasquez@hollyenergy.com'; Crain, Cindy (cindy.crain@urs.com)
Subject: Artesia to Beeson Pipeline Analytical
Attachments: Beeson Tank Radiation.pdf; Beeson Tank Analytical_Final_v2.pdf; Artesia to Beeson Analytical Final.pdf

Hi Brad,
Please see the attached analytical. The water from the Beeson Tank which was approved for discharge (analytical attached) was used to perform the hydrostatic test on the N. Artesia to Beeson pipeline. Samples were collected on 7/24/14 from the HEP 8" N. Artesia pipeline and analyzed for all WQCC constituents except Radium 226/228 (analytical attached). A water sample was collected from the Beeson tank on 6/23/14, and analyzed for all WQCC constituents including Radium 226/228. As water from the tank was obtained from 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], and water in a new steel pipeline would not affect the Radium concentration, Radium samples were not collected from the pipeline on 7/24/14. As all constituents are below the approved Discharge Limits, HEP requests approval for discharge from the 8" N. Artesia pipeline.
Thanks,
Teal

Teal Glass
Project Coordinator

TRC
Results you can rely on

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 05, 2014

CLEM VASQUEZ

HOLLY ENERGY PARTNERS-OPERATING, L.P.

1602 W MAIN STREET

ARTESIA, NM 88210

RE: BEESON STATION WATER PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 07/24/14 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BEESON STATION 8" N ARTESIA	H402273-01	Water	24-Jul-14 13:32	24-Jul-14 14:50

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

BEESON STATION 8" N ARTESIA

H402273-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride*	**56.0**		4.00	mg/L	1	4072908	AP	29-Jul-14	4500-Cl-B	
Nitrate as N	**1.20**		0.100	mg/L	1	4072804	AP	25-Jul-14	353.3	
pH*	**6.78**		0.100	pH Units	1	4072906	AP	29-Jul-14	150.1	
Sulfate*	**35.8**		10.0	mg/L	1	4072806	AP	28-Jul-14	375.4	
TDS*	**214**		5.00	mg/L	1	4072913	AP	30-Jul-14	160.1	
PCBs BY GC/ECD										**SUB-SS**
PCB 1016	ND	0.130	2.00	ug/L	1	4080405	CK	30-Jul-14	8082	
PCB 1221	ND	0.150	2.00	ug/L	1	4080405	CK	30-Jul-14	8082	
PCB 1232	ND	0.150	2.00	ug/L	1	4080405	CK	30-Jul-14	8082	
PCB 1242	ND	0.150	2.00	ug/L	1	4080405	CK	30-Jul-14	8082	
PCB 1248	ND	0.150	2.00	ug/L	1	4080405	CK	30-Jul-14	8082	
PCB 1254	ND	0.150	2.00	ug/L	1	4080405	CK	30-Jul-14	8082	
PCB 1260	ND	0.150	2.00	ug/L	1	4080405	CK	30-Jul-14	8082	
Surrogate: Tetrachloro-meta-xylene			*63.8 %*	*35-140*		*4080405*	CK	*30-Jul-14*	*8082*	
Volatile Organic Compounds by EPA Method 8260B										
Vinyl chloride*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
1,1-Dichloroethene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Methylene chloride*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
1,1-Dichloroethane*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Chloroform*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Carbon tetrachloride*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
1,1,1-Trichloroethane*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Benzene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
1,2-Dichloroethane*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Trichloroethene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Toluene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Tetrachloroethene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

BEESON STATION 8" N ARTESIA

H402273-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Volatile Organic Compounds by EPA Method 8260B										
1,1,2-Trichloroethane*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
1,2-Dibromoethane*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Ethylbenzene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
m-p Xylenes*	ND		0.001	mg/L	1	4072805	MS	28-Jul-14	8260	
o-Xylene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Total Xylenes*	ND		0.002	mg/L	1	4072805	MS	28-Jul-14	8260	
1,1,2,2-Tetrachloroethane*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Naphthalene*	ND		0.0005	mg/L	1	4072805	MS	28-Jul-14	8260	
Surrogate: Dibromofluoromethane			*95.4 %*	*87.3-113*		*4072805*	MS	*28-Jul-14*	*8260*	
Surrogate: Toluene-d8			*107 %*	*89.6-110*		*4072805*	MS	*28-Jul-14*	*8260*	
Surrogate: 4-Bromofluorobenzene			*104 %*	*82.3-119*		*4072805*	MS	*28-Jul-14*	*8260*	
Semivolatile Organic Compounds by GCMS										
Naphthalene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
2-Methylnaphthalene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
1-Methylnaphthalene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Acenaphthylene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Acenaphthene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Fluorene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Phenanthrene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Anthracene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Carbazole	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Fluoranthene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Pyrene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Benzo[a]anthracene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Chrysene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Benzo[b]flouranthene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Benzo[k]flouranthene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Benzo[a]pyrene	ND		0.0002	mg/L	1.03	4080108	MS	05-Aug-14	8270C	

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

BEESON STATION 8" N ARTESIA

H402273-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Semivolatile Organic Compounds by GCMS										
Indeno[1,2,3-cd]pyrene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Dibenz[a,h]anthracene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Benzo[g,h,i]perylene	ND		0.001	mg/L	1.03	4080108	MS	05-Aug-14	8270C	
Surrogate: Nitrobenzene-d5			*43.5 %*	*35-114*		*4080108*	MS	*05-Aug-14*	*8270C*	
Surrogate: 2-Fluorobiphenyl			*37.5 %*	*43-116*		*4080108*	MS	*05-Aug-14*	*8270C*	
Surrogate: Terphenyl-dl4			*72.8 %*	*33-141*		*4080108*	MS	*05-Aug-14*	*8270C*	
Green Analytical Laboratories										
General Chemistry										
Cyanide, Total*	ND		0.0100	mg/L	1	B407303	KLJ	31-Jul-14	EPA335.4	
Fluoride*	**0.577**		0.200	mg/L	1	B407291	ABP	30-Jul-14	4500-F- C	
Phenolics*	ND		0.00500	mg/L	1	B407299	KLJ	30-Jul-14	EPA420.4	
Dissolved Metals by ICP										
Aluminum*	ND		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Arsenic*	ND		0.100	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Barium*	**0.131**		0.010	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Boron	ND		0.200	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Chromium*	ND		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Cobalt*	ND		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Copper*	ND		0.020	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Iron*	**0.075**		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Manganese*	**0.160**		0.005	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Molybdenum*	ND		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Nickel*	ND		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Silver*	ND		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	
Zinc*	ND		0.050	mg/L	1	B407276	JGS	30-Jul-14	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

BEESON STATION 8" N ARTESIA

H402273-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Green Analytical Laboratories										
Dissolved Metals by ICPMS										
Cadmium*	ND		0.0001	mg/L	1	B407263	JGS	29-Jul-14	EPA200.8	
Lead*	ND		0.0005	mg/L	1	B407263	JGS	29-Jul-14	EPA200.8	
Selenium*	**0.0014**		0.0010	mg/L	1	B407263	JGS	29-Jul-14	EPA200.8	
Uranium	ND		0.0001	mg/L	1	B407263	JGS	29-Jul-14	EPA200.8	
Total Mercury by CVAA										
Mercury*	ND		0.0002	mg/L	1	B407267	JGS	29-Jul-14	245.1	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4072804 - General Prep - Wet Chem										
Blank (4072804-BLK1)				Prepared & Analyzed: 25-Jul-14						
Nitrate as N	ND	0.100	mg/L							
LCS (4072804-BS1)				Prepared & Analyzed: 25-Jul-14						
Nitrate as N	5.00	0.100	mg/L	5.00		100	80-120			
Duplicate (4072804-DUP1)		**Source: H402272-01**		Prepared & Analyzed: 25-Jul-14						
Nitrate as N	1.90	0.100	mg/L		1.70			11.1	20	
Batch 4072806 - General Prep - Wet Chem										
Blank (4072806-BLK1)				Prepared & Analyzed: 28-Jul-14						
Sulfate	ND	10.0	mg/L							
LCS (4072806-BS1)				Prepared & Analyzed: 28-Jul-14						
Sulfate	19.1	10.0	mg/L	20.0		95.7	80-120			
LCS Dup (4072806-BSD1)				Prepared & Analyzed: 28-Jul-14						
Sulfate	18.2	10.0	mg/L	20.0		90.8	80-120	5.20	20	
Batch 4072906 - NO PREP										
LCS (4072906-BS1)				Prepared & Analyzed: 29-Jul-14						
pH	7.04		pH Units	7.00		101	90-110			
Duplicate (4072906-DUP1)		**Source: H402318-01**		Prepared & Analyzed: 29-Jul-14						
pH	8.04	0.100	pH Units		8.03			0.124	20	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4072908 - General Prep - Wet Chem										
Blank (4072908-BLK1)				Prepared & Analyzed: 29-Jul-14						
Chloride	ND	4.00	mg/L							
LCS (4072908-BS1)				Prepared & Analyzed: 29-Jul-14						
Chloride	104	4.00	mg/L	100		104	80-120			
LCS Dup (4072908-BSD1)				Prepared & Analyzed: 29-Jul-14						
Chloride	104	4.00	mg/L	100		104	80-120	0.00	20	
Batch 4072913 - Filtration										
Blank (4072913-BLK1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
TDS	ND	5.00	mg/L							
LCS (4072913-BS1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
TDS	512	5.00	mg/L	527		97.2	80-120			
Duplicate (4072913-DUP1)	**Source: H402272-01**			Prepared: 29-Jul-14 Analyzed: 01-Aug-14						
TDS	203	5.00	mg/L		216			6.21	20	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

PCBs BY GC/ECD - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4080405 - EPA 3510C										
Blank (4080405-BLK1)				Prepared: 25-Jul-14 Analyzed: 30-Jul-14						
PCB 1016	ND	2.00	ug/L							
PCB 1221	ND	2.00	ug/L							
PCB 1232	ND	2.00	ug/L							
PCB 1242	ND	2.00	ug/L							
PCB 1248	ND	2.00	ug/L							
PCB 1254	ND	2.00	ug/L							
PCB 1260	ND	2.00	ug/L							
Surrogate: Tetrachloro-meta-xylene	*3.68*		ug/L	*10.0*		*36.8*	*35-140*			
LCS (4080405-BS1)				Prepared: 25-Jul-14 Analyzed: 30-Jul-14						
PCB 1016	9.31		ug/L	10.0		93.1	40-130			
PCB 1260	6.38		ug/L	10.0		63.8	40-130			
Surrogate: Tetrachloro-meta-xylene	*10.5*		ug/L	*10.0*		*105*	*35-140*			
LCS Dup (4080405-BSD1)				Prepared: 25-Jul-14 Analyzed: 30-Jul-14						
PCB 1016	8.30		ug/L	10.0		83.0	40-130	11.5	30	
PCB 1260	5.58		ug/L	10.0		55.8	40-130	13.4	30	
Surrogate: Tetrachloro-meta-xylene	*8.75*		ug/L	*10.0*		*87.5*	*35-140*			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4072805 - Volatiles										
Blank (4072805-BLK1)				Prepared & Analyzed: 28-Jul-14						
Vinyl chloride	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
Methylene chloride	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
Chloroform	ND	0.0005	mg/L							
Carbon tetrachloride	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
Benzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
m-p Xylenes	ND	0.001	mg/L							
o-Xylene	ND	0.0005	mg/L							
Total Xylenes	ND	0.002	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	*0.0101*		mg/L	*0.0100*		*101*	*87.3-113*			
Surrogate: Toluene-d8	*0.0106*		mg/L	*0.0100*		*106*	*89.6-110*			
Surrogate: 4-Bromofluorobenzene	*0.0103*		mg/L	*0.0100*		*103*	*82.3-119*			
LCS (4072805-BS1)				Prepared & Analyzed: 28-Jul-14						
Vinyl chloride	0.021	0.0005	mg/L	0.0200		107	75-138			
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		100	65-139			
Methylene chloride	0.020	0.0005	mg/L	0.0200		99.3	69-128			
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		99.4	80-126			
Chloroform	0.020	0.0005	mg/L	0.0200		99.0	81-123			
Carbon tetrachloride	0.020	0.0005	mg/L	0.0200		98.8	81-132			
1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		104	81-132			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4072805 - Volatiles										
LCS (4072805-BS1)				Prepared & Analyzed: 28-Jul-14						
Benzene	0.019	0.0005	mg/L	0.0200		96.6	86-119			
1,2-Dichloroethane	0.019	0.0005	mg/L	0.0200		96.9	82-124			
Trichloroethene	0.019	0.0005	mg/L	0.0200		97.4	82-126			
Toluene	0.020	0.0005	mg/L	0.0200		98.8	84-118			
Tetrachloroethene	0.027	0.0005	mg/L	0.0200		136	79-126			BS1
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		101	88-116			
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		104	83-122			
Ethylbenzene	0.019	0.0005	mg/L	0.0200		96.6	83-119			
m-p Xylenes	0.041	0.001	mg/L	0.0400		102	80-120			
o-Xylene	0.021	0.0005	mg/L	0.0200		104	82-121			
Total Xylenes	0.061	0.002	mg/L	0.0600		102	82-122			
1,1,2,2-Tetrachloroethane	0.018	0.0005	mg/L	0.0200		91.2	84-119			
Naphthalene	0.019	0.0005	mg/L	0.0200		94.1	77-133			
Surrogate: Dibromofluoromethane	*0.00970*		mg/L	*0.0100*		*97.0*	*87.3-113*			
Surrogate: Toluene-d8	*0.0100*		mg/L	*0.0100*		*100*	*89.6-110*			
Surrogate: 4-Bromofluorobenzene	*0.00974*		mg/L	*0.0100*		*97.4*	*82.3-119*			
LCS Dup (4072805-BSD1)				Prepared & Analyzed: 28-Jul-14						
Vinyl chloride	0.020	0.0005	mg/L	0.0200		101	75-138	5.88	30	
1,1-Dichloroethene	0.021	0.0005	mg/L	0.0200		107	65-139	7.19	27	
Methylene chloride	0.019	0.0005	mg/L	0.0200		94.8	69-128	4.59	27	
1,1-Dichloroethane	0.019	0.0005	mg/L	0.0200		96.7	80-126	2.70	25	
Chloroform	0.019	0.0005	mg/L	0.0200		96.6	81-123	2.51	26	
Carbon tetrachloride	0.019	0.0005	mg/L	0.0200		95.0	81-132	3.82	28	
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		98.6	81-132	5.18	25	
Benzene	0.019	0.0005	mg/L	0.0200		95.6	86-119	1.04	24	
1,2-Dichloroethane	0.019	0.0005	mg/L	0.0200		93.9	82-124	3.09	25	
Trichloroethene	0.020	0.0005	mg/L	0.0200		99.2	82-126	1.88	26	
Toluene	0.020	0.0005	mg/L	0.0200		102	84-118	3.63	24	
Tetrachloroethene	0.028	0.0005	mg/L	0.0200		141	79-126	3.86	26	BS1
1,1,2-Trichloroethane	0.020	0.0005	mg/L	0.0200		99.8	88-116	1.10	22	
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		102	83-122	2.38	24	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4072805 - Volatiles										
LCS Dup (4072805-BSD1)				Prepared & Analyzed: 28-Jul-14						
Ethylbenzene	0.019	0.0005	mg/L	0.0200		96.0	83-119	0.571	25	
m-p Xylenes	0.041	0.001	mg/L	0.0400		102	80-120	0.931	20	
o-Xylene	0.020	0.0005	mg/L	0.0200		101	82-121	2.44	25	
Total Xylenes	0.061	0.002	mg/L	0.0600		102	82-122	0.196	25	
1,1,2,2-Tetrachloroethane	0.019	0.0005	mg/L	0.0200		94.3	84-119	3.40	24	
Naphthalene	0.019	0.0005	mg/L	0.0200		95.5	77-133	1.48	27	
Surrogate: Dibromofluoromethane	*0.00962*		mg/L	*0.0100*		*96.2*	*87.3-113*			
Surrogate: Toluene-d8	*0.0103*		mg/L	*0.0100*		*103*	*89.6-110*			
Surrogate: 4-Bromofluorobenzene	*0.0103*		mg/L	*0.0100*		*103*	*82.3-119*			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Semivolatile Organic Compounds by GCMS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4080108 - SW846-3510										
Blank (4080108-BLK1)				Prepared: 01-Aug-14 Analyzed: 04-Aug-14						
Naphthalene	ND	0.001	mg/L							
2-Methylnaphthalene	ND	0.001	mg/L							
1-Methylnaphthalene	ND	0.001	mg/L							
Acenaphthylene	ND	0.001	mg/L							
Acenaphthene	ND	0.001	mg/L							
Fluorene	ND	0.001	mg/L							
Phenanthrene	ND	0.001	mg/L							
Anthracene	ND	0.001	mg/L							
Carbazole	ND	0.001	mg/L							
Fluoranthene	ND	0.001	mg/L							
Pyrene	ND	0.001	mg/L							
Benzo[a]anthracene	ND	0.001	mg/L							
Chrysene	ND	0.001	mg/L							
Benzo[b]flouranthene	ND	0.001	mg/L							
Benzo[k]flouranthene	ND	0.001	mg/L							
Benzo[a]pyrene	ND	0.0002	mg/L							
Indeno[1,2,3-cd]pyrene	ND	0.001	mg/L							
Dibenz[a,h]anthracene	ND	0.001	mg/L							
Benzo[g,h,i]perylene	ND	0.001	mg/L							
Surrogate: Nitrobenzene-d5	*0.0465*		mg/L	*0.0500*		*93.0*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*0.0421*		mg/L	*0.0500*		*84.2*	*43-116*			
Surrogate: Terphenyl-dl4	*0.0498*		mg/L	*0.0500*		*99.7*	*33-141*			
LCS (4080108-BS1)				Prepared: 01-Aug-14 Analyzed: 04-Aug-14						
Naphthalene	0.006	0.001	mg/L	0.0100		61.9	21-133			
2-Methylnaphthalene	0.007	0.001	mg/L	0.0100		67.3	21-133			
Acenaphthylene	0.007	0.001	mg/L	0.0100		69.8	33-145			
Acenaphthene	0.007	0.001	mg/L	0.0100		72.7	47-145			
Fluorene	0.008	0.001	mg/L	0.0100		79.7	59-121			
Phenanthrene	0.009	0.001	mg/L	0.0100		94.6	54-120			
Anthracene	0.008	0.001	mg/L	0.0100		80.7	27-133			
Carbazole	0.009	0.001	mg/L	0.0100		88.5	70-130			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Semivolatile Organic Compounds by GCMS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4080108 - SW846-3510										
LCS (4080108-BS1)				Prepared: 01-Aug-14 Analyzed: 04-Aug-14						
Fluoranthene	0.009	0.001	mg/L	0.0100		90.4	26-137			
Pyrene	0.009	0.001	mg/L	0.0100		90.3	52-115			
Benzo[a]anthracene	0.009	0.001	mg/L	0.0100		89.6	33-143			
Chrysene	0.009	0.001	mg/L	0.0100		86.7	17-168			
Benzo[b]flouranthene	0.010	0.001	mg/L	0.0100		102	24-159			
Benzo[k]flouranthene	0.007	0.001	mg/L	0.0100		68.8	11-162			
Benzo[a]pyrene	0.009	0.0002	mg/L	0.0100		86.5	17-163			
Indeno[1,2,3-cd]pyrene	0.008	0.001	mg/L	0.0100		84.3	0-171			
Dibenz[a,h]anthracene	0.009	0.001	mg/L	0.0100		87.6	0-227			
Benzo[g,h,i]perylene	0.010	0.001	mg/L	0.0100		98.9	0-219			
Surrogate: Nitrobenzene-d5	*0.0279*		mg/L	*0.0500*		*55.8*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*0.0218*		mg/L	*0.0500*		*43.5*	*43-116*			
Surrogate: Terphenyl-dl4	*0.0393*		mg/L	*0.0500*		*78.7*	*33-141*			
LCS Dup (4080108-BSD1)				Prepared: 01-Aug-14 Analyzed: 04-Aug-14						
Naphthalene	0.006	0.001	mg/L	0.0100		61.5	21-133	0.648	20	
2-Methylnaphthalene	0.007	0.001	mg/L	0.0100		67.9	21-133	0.888	20	
Acenaphthylene	0.007	0.001	mg/L	0.0100		70.2	33-145	0.571	20	
Acenaphthene	0.007	0.001	mg/L	0.0100		71.3	47-145	1.94	20	
Fluorene	0.008	0.001	mg/L	0.0100		80.8	59-121	1.37	20	
Phenanthrene	0.009	0.001	mg/L	0.0100		88.6	54-120	6.55	20	
Anthracene	0.007	0.001	mg/L	0.0100		72.4	27-133	10.8	20	
Carbazole	0.009	0.001	mg/L	0.0100		86.6	70-130	2.17	20	
Fluoranthene	0.009	0.001	mg/L	0.0100		90.3	26-137	0.111	20	
Pyrene	0.009	0.001	mg/L	0.0100		90.0	52-115	0.333	20	
Benzo[a]anthracene	0.009	0.001	mg/L	0.0100		90.6	33-143	1.11	20	
Chrysene	0.009	0.001	mg/L	0.0100		86.9	17-168	0.230	20	
Benzo[b]flouranthene	0.010	0.001	mg/L	0.0100		102	24-159	0.489	20	
Benzo[k]flouranthene	0.006	0.001	mg/L	0.0100		65.0	11-162	5.68	20	
Benzo[a]pyrene	0.009	0.0002	mg/L	0.0100		87.5	17-163	1.15	20	
Indeno[1,2,3-cd]pyrene	0.008	0.001	mg/L	0.0100		84.8	0-171	0.591	20	
Dibenz[a,h]anthracene	0.009	0.001	mg/L	0.0100		88.9	0-227	1.47	20	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Semivolatile Organic Compounds by GCMS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4080108 - SW846-3510										
LCS Dup (4080108-BSD1)				Prepared: 01-Aug-14 Analyzed: 04-Aug-14						
Benzo[g,h,i]perylene	0.010	0.001	mg/L	0.0100		99.4	0-219	0.504	20	
Surrogate: Nitrobenzene-d5	*0.0276*		mg/L	*0.0500*		*55.2*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*0.0221*		mg/L	*0.0500*		*44.1*	*43-116*			
Surrogate: Terphenyl-dl4	*0.0390*		mg/L	*0.0500*		*77.9*	*33-141*			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

General Chemistry - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B407291 - General Prep - Wet Chem										
Blank (B407291-BLK1)				Prepared & Analyzed: 30-Jul-14						
Fluoride	ND	0.200	mg/L							
LCS (B407291-BS1)				Prepared & Analyzed: 30-Jul-14						
Fluoride	1.01	0.200	mg/L	1.00		101	85-115			
LCS Dup (B407291-BSD1)				Prepared & Analyzed: 30-Jul-14						
Fluoride	1.03	0.200	mg/L	1.00		103	85-115	2.45	20	
Batch B407299 - General Prep - Wet Chem										
Blank (B407299-BLK1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
Phenolics	ND	0.00500	mg/L							
LCS (B407299-BS1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
Phenolics	0.0481	0.00500	mg/L	0.0500		96.2	90-110			
LCS Dup (B407299-BSD1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
Phenolics	0.0451	0.00500	mg/L	0.0500		90.2	90-110	6.44	20	
Batch B407303 - General Prep - Wet Chem										
Blank (B407303-BLK1)				Prepared: 30-Jul-14 Analyzed: 31-Jul-14						
Cyanide, Total	ND	0.0100	mg/L							
LCS (B407303-BS1)				Prepared: 30-Jul-14 Analyzed: 31-Jul-14						
Cyanide, Total	0.0513	0.0100	mg/L	0.0500		103	90-110			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

General Chemistry - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B407303 - General Prep - Wet Chem										
LCS Dup (B407303-BSD1)				Prepared: 30-Jul-14 Analyzed: 31-Jul-14						
Cyanide, Total	0.0464	0.0100	mg/L	0.0500		92.8	90-110	10.0	20	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Dissolved Metals by ICP - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B407276 - Dissolved Metals, E200.7/E200.8										
Blank (B407276-BLK1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
Aluminum	ND	0.050	mg/L							
Molybdenum	ND	0.050	mg/L							
Nickel	ND	0.050	mg/L							
Chromium	ND	0.050	mg/L							
Zinc	ND	0.050	mg/L							
Barium	ND	0.010	mg/L							
Arsenic	ND	0.100	mg/L							
Boron	ND	0.200	mg/L							
Iron	ND	0.050	mg/L							
Cobalt	ND	0.050	mg/L							
Copper	ND	0.020	mg/L							
Manganese	ND	0.005	mg/L							
Silver	ND	0.050	mg/L							
LCS (B407276-BS1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
Molybdenum	4.44	0.050	mg/L	5.00		88.8	85-115			
Barium	2.23	0.010	mg/L	2.50		89.0	85-115			
Iron	4.43	0.050	mg/L	5.00		88.6	85-115			
Zinc	2.24	0.050	mg/L	2.50		89.5	85-115			
Manganese	2.31	0.005	mg/L	2.50		92.2	85-115			
Silver	0.110	0.050	mg/L	0.125		88.3	85-115			
Nickel	2.14	0.050	mg/L	2.50		85.7	85-115			
Cobalt	2.23	0.050	mg/L	2.50		89.0	85-115			
Aluminum	4.56	0.050	mg/L	5.00		91.3	85-115			
Copper	4.47	0.020	mg/L	5.00		89.4	85-115			
Chromium	2.31	0.050	mg/L	2.50		92.3	85-115			
Boron	4.28	0.200	mg/L	5.00		85.7	85-115			
Arsenic	4.70	0.100	mg/L	5.00		93.9	85-115			

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Dissolved Metals by ICP - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B407276 - Dissolved Metals, E200.7/E200.8										
LCS Dup (B407276-BSD1)				Prepared: 29-Jul-14 Analyzed: 30-Jul-14						
Nickel	2.13	0.050	mg/L	2.50		85.3	85-115	0.530	20	
Molybdenum	4.43	0.050	mg/L	5.00		88.6	85-115	0.231	20	
Zinc	2.23	0.050	mg/L	2.50		89.2	85-115	0.235	20	
Iron	4.42	0.050	mg/L	5.00		88.3	85-115	0.308	20	
Aluminum	4.55	0.050	mg/L	5.00		91.0	85-115	0.278	20	
Manganese	2.29	0.005	mg/L	2.50		91.6	85-115	0.733	20	
Chromium	2.30	0.050	mg/L	2.50		91.8	85-115	0.572	20	
Boron	4.30	0.200	mg/L	5.00		86.0	85-115	0.359	20	
Barium	2.21	0.010	mg/L	2.50		88.6	85-115	0.545	20	
Cobalt	2.23	0.050	mg/L	2.50		89.1	85-115	0.100	20	
Silver	0.107	0.050	mg/L	0.125		85.7	85-115	3.07	20	
Copper	4.43	0.020	mg/L	5.00		88.6	85-115	0.911	20	
Arsenic	4.66	0.100	mg/L	5.00		93.2	85-115	0.823	20	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Dissolved Metals by ICPMS - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B407263 - Dissolved Metals, E200.7/E200.8										
Blank (B407263-BLK1)				Prepared & Analyzed: 29-Jul-14						
Selenium	ND	0.0010	mg/L							
Lead	ND	0.0005	mg/L							
Uranium	ND	0.0001	mg/L							
Cadmium	ND	0.0001	mg/L							
LCS (B407263-BS1)				Prepared & Analyzed: 29-Jul-14						
Cadmium	0.0480	0.0001	mg/L	0.0500		96.0	85-115			
Uranium	0.0489	0.0001	mg/L	0.0500		97.9	85-115			
Selenium	0.250	0.0010	mg/L	0.250		99.8	85-115			
Lead	0.0490	0.0005	mg/L	0.0500		98.0	85-115			
LCS Dup (B407263-BSD1)				Prepared & Analyzed: 29-Jul-14						
Uranium	0.0502	0.0001	mg/L	0.0500		100	85-115	2.49	20	
Lead	0.0503	0.0005	mg/L	0.0500		101	85-115	2.51	20	
Cadmium	0.0518	0.0001	mg/L	0.0500		104	85-115	7.63	20	
Selenium	0.254	0.0010	mg/L	0.250		101	85-115	1.54	20	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

HOLLY ENERGY PARTNERS-OPERATING, L.P. 1602 W MAIN STREET ARTESIA NM, 88210	Project: BEESON STATION WATER PIPELIN Project Number: NOT GIVEN Project Manager: CLEM VASQUEZ Fax To: N/A	Reported: 05-Aug-14 09:30

Total Mercury by CVAA - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B407267 - EPA 245.1/7470										
Blank (B407267-BLK1)				Prepared & Analyzed: 29-Jul-14						
Mercury	ND	0.0002	mg/L							
LCS (B407267-BS1)				Prepared & Analyzed: 29-Jul-14						
Mercury	0.0022	0.0002	mg/L	0.00200		112	85-115			
LCS Dup (B407267-BSD1)				Prepared & Analyzed: 29-Jul-14						
Mercury	0.0023	0.0002	mg/L	0.00200		113	85-115	0.976	20	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

SUB-SS	Analysis subcontracted to SunStar Laboratories, Inc.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Holly Energy Partners	BILL TO	
Project Manager:	Cindy Crain	P.O. #:	
Address:	1602 W. Main	Company:	
City:	Artesia State: NM Zip: 88240	Attn:	Holly Energy
Phone #:	575-441-7244 Fax #:	Address:	
Project #:	Project Owner: Holly Energy	City:	
Project Name:	Beeson Station 8" N. Artesia	State: Zip:	
Project Location:	Eddy Co., NM	Phone #:	
Sampler Name:	Cindy Crain	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	WQCC ABC Metals (Dissolved)	CN, F, NO3, Cl, SO4	Total Hg	WQCC VOA 8260	PCB 8082	PAH	Phenols	TDS, PH				Ra 226/228 (HOLD)
H4D2273																										
1	Beeson Station 8" N. Artesia	G		X							X		7/24/14	1332	X	X	X	X	X	X	X	X				

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Cindy Crain	Date: 7/24/14 Time: 1450	Received By: Joni Henson
Relinquished By:		Date: Time:	Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 5.7°C

Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials)

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:

REMARKS: ★ RUSH ★

Results to:
clem.vasquez@hollyenergy.com
cindy.crain@urs.com

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#54

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
www.pacelabs.com

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

Date: 07/08/2014 10:36 AM

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

Date: 07/08/2014 10:36 AM

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

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

Client: Holly Energy Partners

Project Name: Beeson Station

Mailing Address: 1602 W. Main
Artesia, NM 88240

Project #:

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 _____

Sampler:

☐ EDD (Type) _____

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				

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/25/14	1400			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
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 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
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 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
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**	
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.
- 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

QC SUMMARY REPORT

WO#: **1406A71**

Hall Environmental Analysis Laboratory, Inc.

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.
- 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

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
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

WO#: **1406A71**

Hall Environmental Analysis Laboratory, Inc.

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			
Sum: 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

Completed By: Anne Thorne 6/24/2014

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

06/24/14 A

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

Client: Holly Energy Partners

Project Name: Beeson Station

Mailing Address: 1602 W. Main, Artesia, NM 88240

Project #:

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)

Sampler: Cindy Crain

Accreditation: ☒ NELAP ☐ Other

On Ice: ☒ Yes ☐ No

☐ EDD (Type)

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	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)
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 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.

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 14, 2014

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

Re: Hydrostatic Test Discharge Permit HIP-133
Holly Energy Partners Operating LP
North Artesia to Beeson Station Pipeline 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 12, 2014 and received May 13, 2014, for authorization to discharge approximately 164,305 gallons of wastewater generated from a hydrostatic test of approximately 11.5 miles (60,720 feet) of a new 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 Enterprise'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

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 1608

May 14, 2014

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

Re: Hydrostatic Test Discharge Permit HIP-133
Holly Energy Partners Operating LP
North Artesia to Beeson Station Pipeline 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-133

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

May 14, 2014

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

Re: Hydrostatic Test Discharge Permit HIP-133 DRAFT
Holly Energy Partners Operating LP
North Artesia to Beeson Station Pipeline 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 12, 2014 and received May 13, 2014, for authorization to discharge approximately 164,305 gallons of wastewater generated from a hydrostatic test of approximately 11.5 miles (60,720 feet) of a new 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) and the permit fee ($600.00) for the permit from a submittal dated May 12, 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 approximately 11.5 miles (60,720 feet) of a new 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 164,305 gallons of hydrostatic test wastewater from the test event. The hydrostatic wastewater will remain in the pipeline 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 pipeline 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 June 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

505 East Huntland Drive
Suite 250
Austin, TX 78752

512.329.6080 PHONE
512.329.8750 FAX

www.TRCsolutions.com

May 12, 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 North Artesia to Beeson Station Pipeline 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 North Artesia to Beeson Station Pipeline. 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 – North Artesia to Beeson Pipeline
- Figure 2 – North Artesia to Beeson Pipeline Discharge Location;
- Figure 3 – Dissipation and Discharge System;
- Appendix A – Certification of Siting Criteria;
- Appendix B – Water Feature, Water Well Information and Floodplain Information;
- Appendix C – Area Mine Information;
- Appendix D - Geology;
- Appendix E – Area Landownership;
- Appendix F – Public Notice; and
- Appendix G – Lease Information

A check in the amount of $100.00 is attached for the filing fee, and another $600.00 check is attached for the permit 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
Program Manager

cc: Allison Stockweather, HEP
Adrienne Boer, TRC

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 and newly installed pipelines. The new pipeline will be a part of a crude oil gathering system. Waste water generated during hydrostatic testing of the new pipeline is classified as RCRA-exempt waste water and does not require management as a RCRA waste or disposal at a RCRA-approved facility.

- The North Artesia to Beeson Station Pipeline is a new, welded, steel 8-inch diameter by 60,720 feet (11.5 miles) pipeline (see Figure 1);

- The new pipeline will be part of a gathering system that transports crude oil before refinement from the North Artesia Station to the Beeson Station;

- 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 pipeline at approximately MP 11.5 (Figure 1) on or about June 9, 2014. After the testing, the water will be discharged via hosing at MP 0 into a 16,100 square foot easement/right-of-way (ROW) on or about June 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 western most point of the pipeline is located at latitude 32.761400°, longitude -104.156913°, while the eastern most point is located at latitude 32.782287°, longitude -103.961319°. The water will be discharged at the eastern point of the pipeline, transferred via hosing across the Beeson Station, and then discharged into an area which consists of approximately 16,100 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 west 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 pipeline operators use to verify pipeline integrity. The purpose of hydrostatic testing of a pipeline is to determine the

extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure/holding capacity. Because this is new piping, previous contents of the pipe do not need to be cleared. Potable water will be introduced into the pipeline and then the pipeline will be pressurized to a pressure greater than maximum operating pressure for approximately eight hours. If leaks or breaks occur, the pipeline is repaired or the affected piping is replaced, and then re-tested. Once the test is complete, the water will be discharged from the pipeline into the dissipation and discharge system consecutively (see Figure 3).

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

Because the piping is new, solids are not anticipated to be produced as a result of the hydrostatic testing. Once hydrostatic testing has been completed, water will be tested for water quality, as described in item j. Water will then be held in the pipe until test results are received and approved. Once approval to discharge has been received, the test water will be allowed to flow from the pipeline into the 16,100 square foot easement/ROW (NM06130) consecutively. 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 pipeline 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. Pipeline 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 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 pipeline, HEP will collect and analyze a sample of the water used in the hydrostatic testing. The sample will be collected from the discharge location (MP 0) 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 pipeline 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 164,305.27 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.

New piping 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 easement.

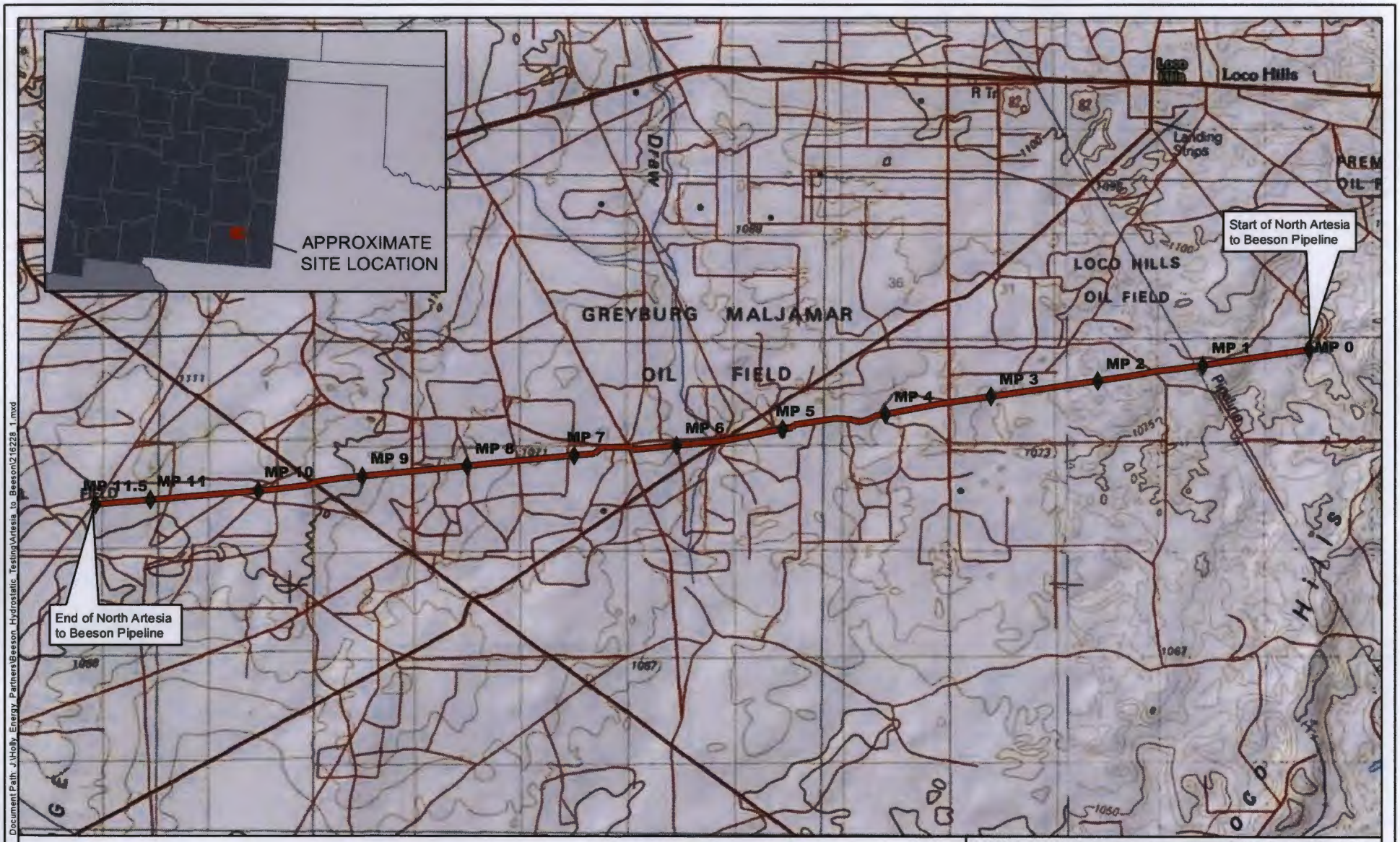
As described previously, all dewatering of the North Artesia to Beeson Pipeline will be conducted at the proposed discharge area (Figure 2). The proposed discharge area is in a ROW held in leasehold by HEP. All property surrounding and including the proposed discharge area is owned by the BLM.

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

NORTH ARTESIA TO BEESON PIPELINE



Legend

- Mile Posts
- Approximate Segment of Pipeline to be Hydrostatically Tested

0 0.5 1 2

Miles

SCALE IN MILES

1 " = 1.25 miles

Source: USGS 100K topographical maps, Artesia (1983), Hobbs (1982) , New Mexico.

N

NORTH ARTESIA TO BEESON PIPELINE

HOLLY ENERGY PARTNERS
EDDY AND LEA COUNTIES, NEW MEXICO

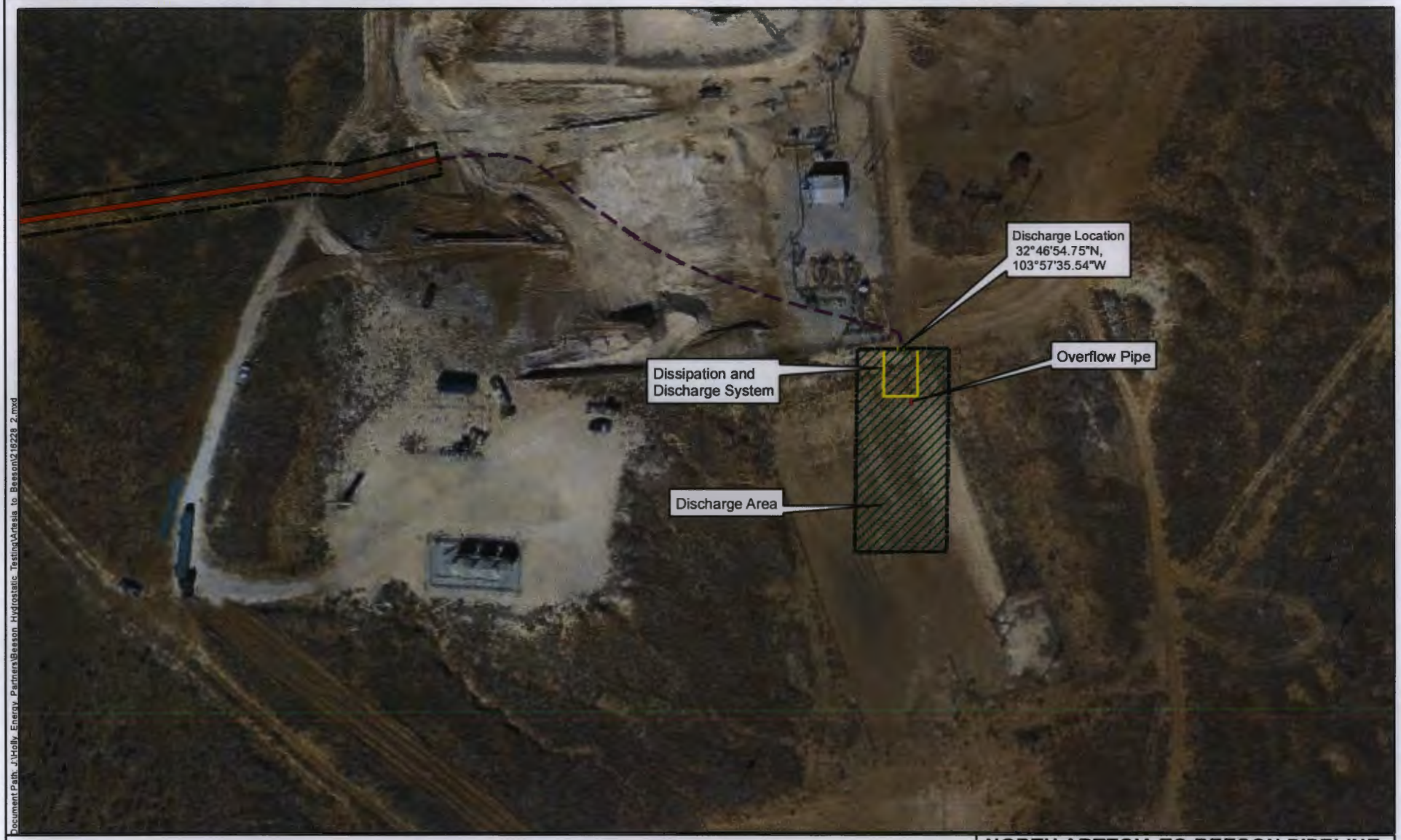
PROJECT NUMBER: 216228	FILE NAME: 216228_1
AUTHOR: MLOVELACE	DATE: 5/8/2014

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

FIGURE 1

FIGURE 2

NORTH ARTESIA TO BEESON PIPELINE PROPOSED DISCHARGE AREA



Document Path: J:\Holly Energy Partners\Beeson Hydrostatic Testing\Artesia to Beeson\216228_2.mxd

Legend

- Temporary Hose
- North Artesia to Beeson Pipeline
- Right-of-Way
- Overflow Pipe
- Discharge Location
- Discharge Area

0 62.5 125 250

Feet

SCALE IN FEET

1 " = 125 '

N

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

NORTH ARTESIA TO BEESON PIPELINE
PROPOSED DISCHARGE AREA

HOLLY ENERGY PARTNERS
EDDY COUNTY, NEW MEXICO

PROJECT NUMBER: 216228	FILE NAME: 216228_2
AUTHOR: MLOVELACE	DATE: 5/7/2014

TRC
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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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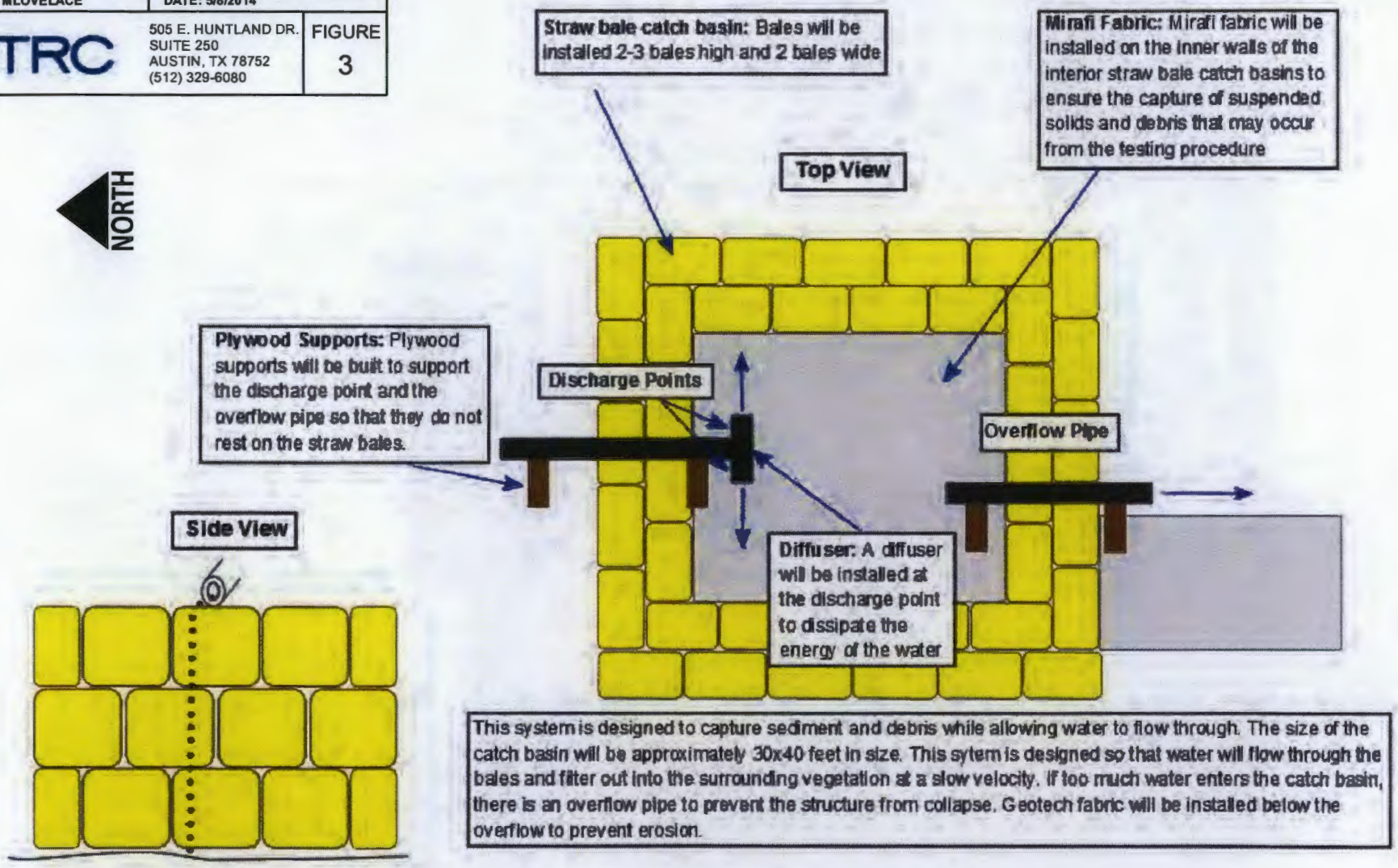
AUSTIN, TX 78752
(512) 329-6080

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\Artesia to Beeson\216228_B1.mxd

Legend

Surface Water	Wetlands	
Estuary	Freshwater Emergent Wetland	Right-Of-Way
Lake/Pond	Freshwater Forested/Shrub Wetland	Discharge Area
Playa	Freshwater Pond	North Artesia to Beeson Pipeline
Reservoir	Lake	Streams or Rivers
Swamp/Marsh	Other	Springs
Arroyo	Riverine	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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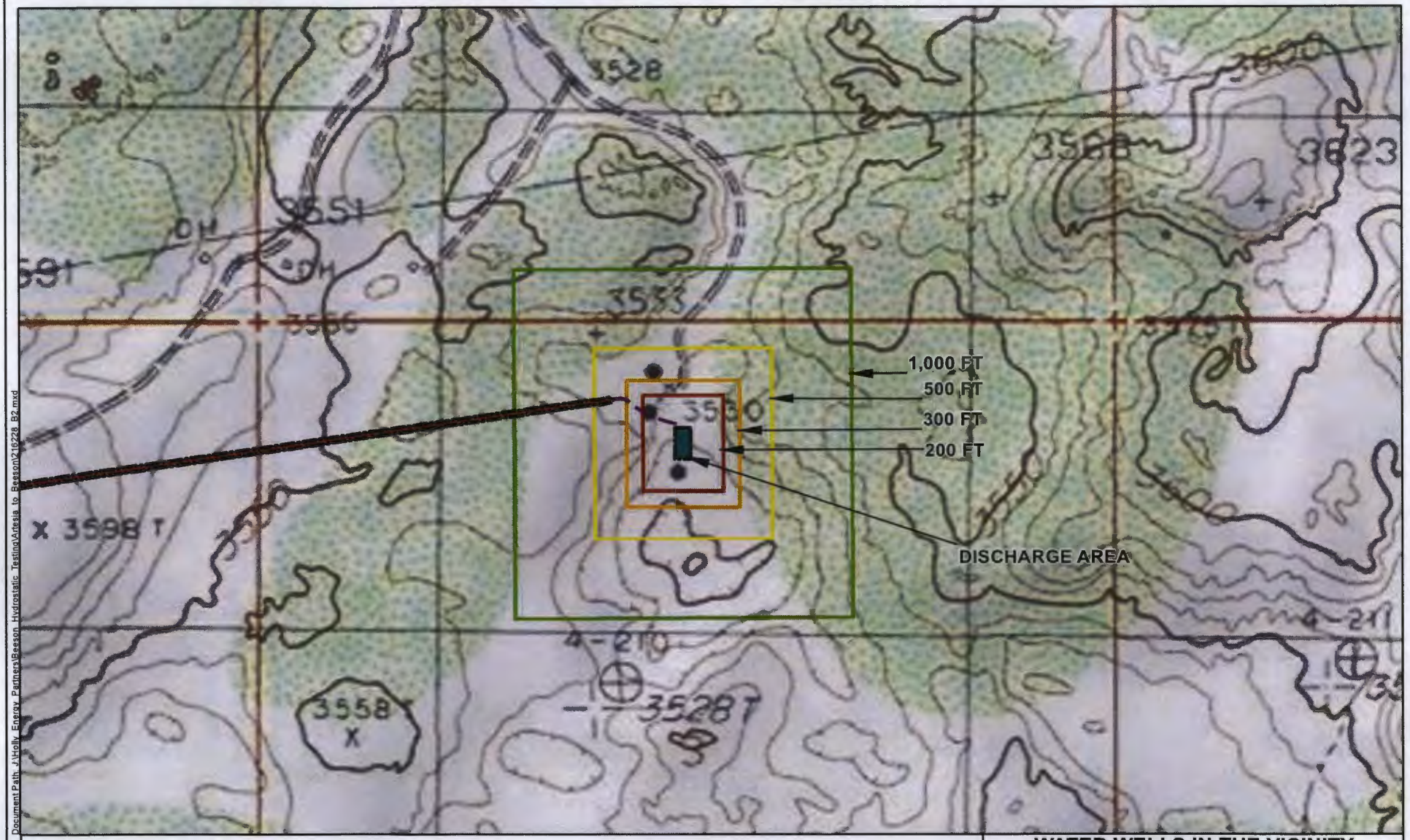
(512) 329-6080

FIGURE B-1



Document Path: J:\Holly Energy Partners\Beeson Hydrostatic Testing\Artesia to Beeson\216228_B2.mxd

Legend

- Groundwater Wells
- Temporary Hose
- North Artesia to Beeson Pipeline
- 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: 5/8/2014

TRC
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FIGURE
B-2

Legend

- North Artesia to Beeson Pipeline
- Temporary Hose
- FEMA 100 Year Flood Zone
- Right-of-Way
- Discharge Area

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 '

Service Layer Credits: FEMA FIRM 35015C0425D dated 6/4/2010; 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
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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-Code	basin	County	Source	q q q 6416	4	Sec	Twn	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	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
RA 11914 POD1	2	4	2	20	17S	30E	594801	3632002

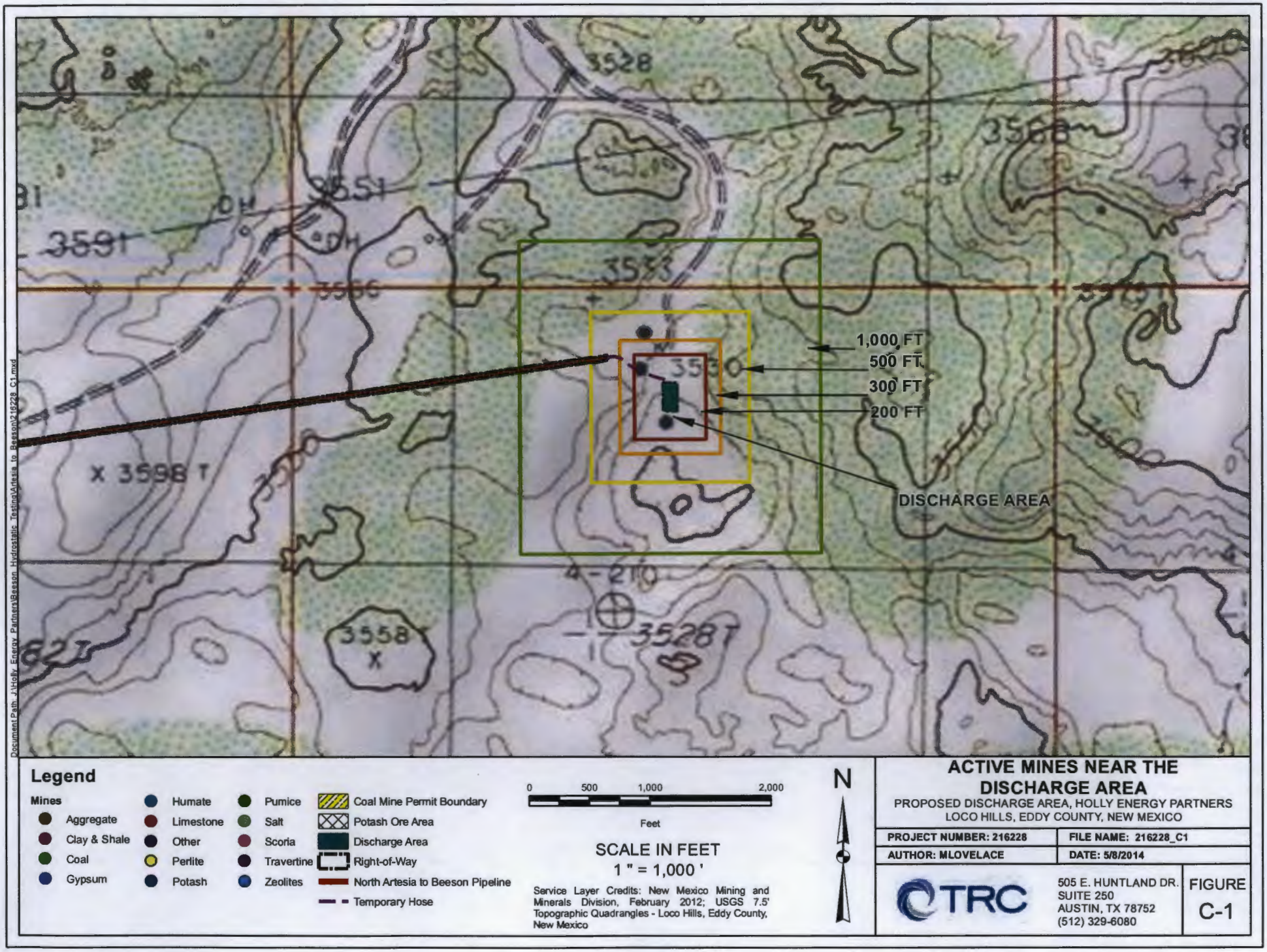
Driller License: 1682
Driller Name: JOHN NORRIS

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



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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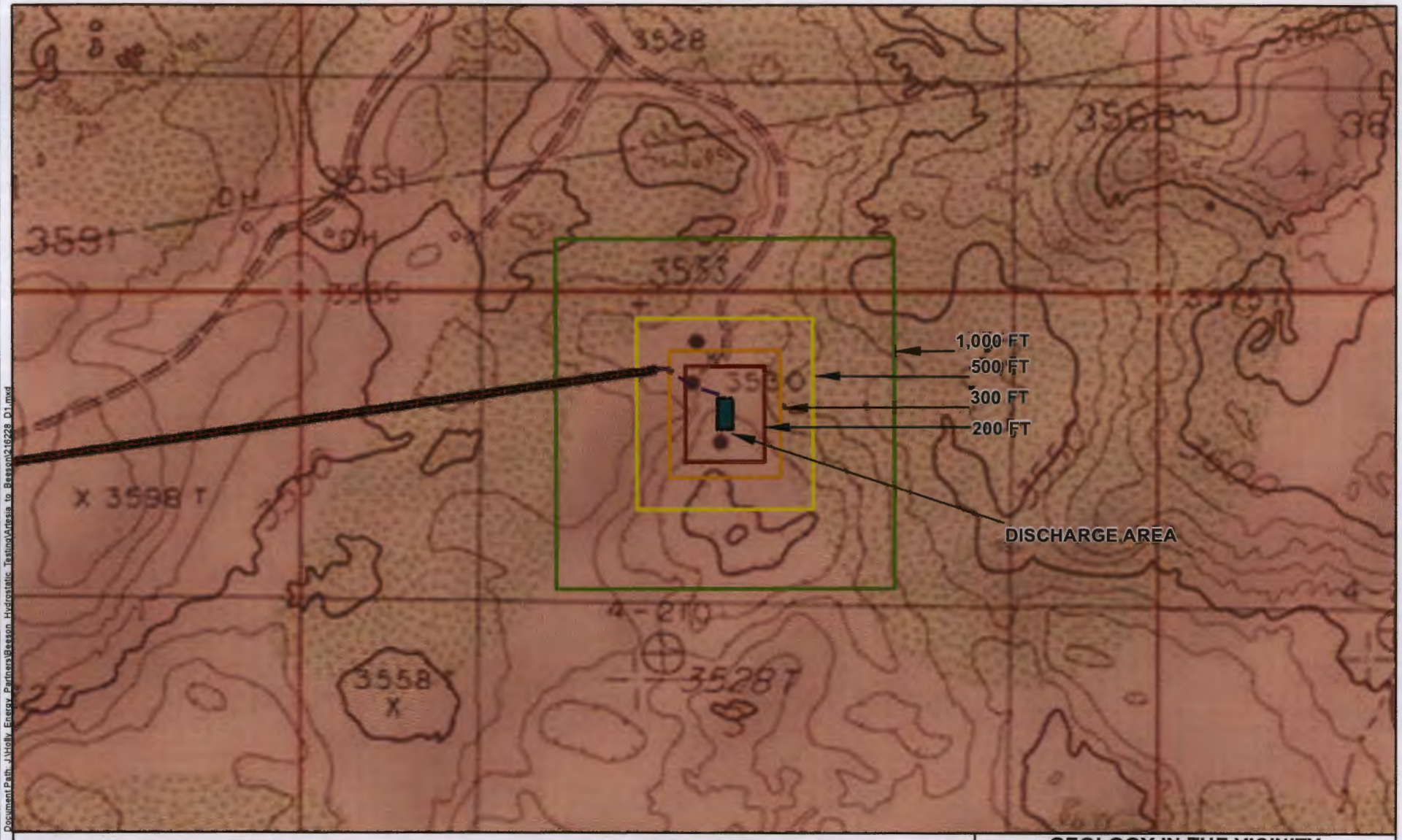
APPENDIX D

GEOLOGY



Document Path: J:\Holly Energy Partners\Watson Hydrostatic Testing\Artesia to Beeson\216228_D1.mxd

Legend

- Temporary Hose
- North Artesia to Beeson Pipeline
- 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: 4/25/2014

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

FIGURE
D-1

Document Path: J:\Holly Energy Partners\Beeson Hydrostatic Testing\Artesia to Beeson\216228_D2.mxd

Legend

- Temporary Hose
- North Artesia to Beeson Pipeline
- Karst Potential
- Mapped Karst
- Right-of-Way
- Discharge Area

0 500 1,000 2,000

Feet

SCALE IN FEET

1 " = 1,000 '

Service Layer Credits: USGS OFR 2004-1352; New Mexico BLM GIS Basemap, USGS 7.5' Topographic Quadrangles - Loco Hills, Eddy County, New Mexico

N

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: 5/8/2014

TRC
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AUSTIN, TX 78752
(512) 329-6080

FIGURE
D-2

APPENDIX E

AREA LANDOWNERSHIP

Legend

- Temporary Hose
- North Artesia to Beeson Pipeline
- 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: 5/8/2014

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

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 June 9, 2014 with discharge of the test water scheduled on or about June 16, 2014.

The new piping, called the North Artesia to Beeson Pipeline will be hydrostatically tested. The volume of the hydrostatic test water that is expected to be discharged is approximately 164,305.27 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 pipeline. Once the test has been completed, and prior to discharge, HEP will collect and analyze a sample of the water obtained from the end section of the pipeline. The sample will be analyzed for water quality. Once the results have been received, the results will be forwarded to the NMOCD. Upon NMOCD concurrence that the discharge water meets the water quality standards of NMAC 20.6.2.3103, 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 pipeline 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 Beeson Station pipeline 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 pipeline 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) es determiner el gradual que los defectos potenciales podrían amenazar la capacidad de la tubería para el máximo presión de operación. La tubería será lleno de agua y luego presurizada a una presión mayor a la presión de operación estándar 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 Junio de 2014 con la descarga del agua prueba programada alrededor del 16 de Junio de 2014.

La nueva tubería, llamado el North Artesia a Beeson Pipeline será probado hidrostáticamente. El volumen de las aguas de prueba hidrostática que se esperan que sea dado de alta es de aproximadamente 164,305.27 galones. 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 el tubo. 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 tubería. 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 una tubería 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 tubería Beeson Station 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 tubería.

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: Bruce R Shaw

Name: Bruce R. Shaw

Title: Vice President and Chief Financial Officer

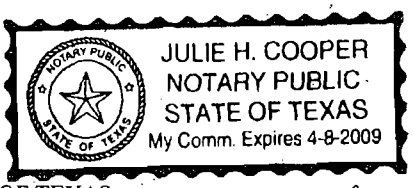
ASSIGNEE:

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 §

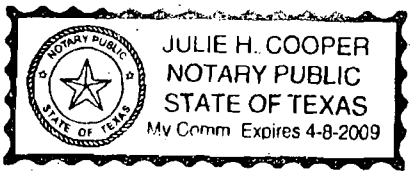
This instrument was acknowledged before me on February 28, 2008 by Bruce R. Shaw, Vice President and Chief Financial Officer of Navajo Refining Company, L.L.C., a Delaware limited liability company, on behalf of said limited liability company.



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.



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 009-388	1/1/1952	--	NM-06130

BOOK 730 PAGE 0112

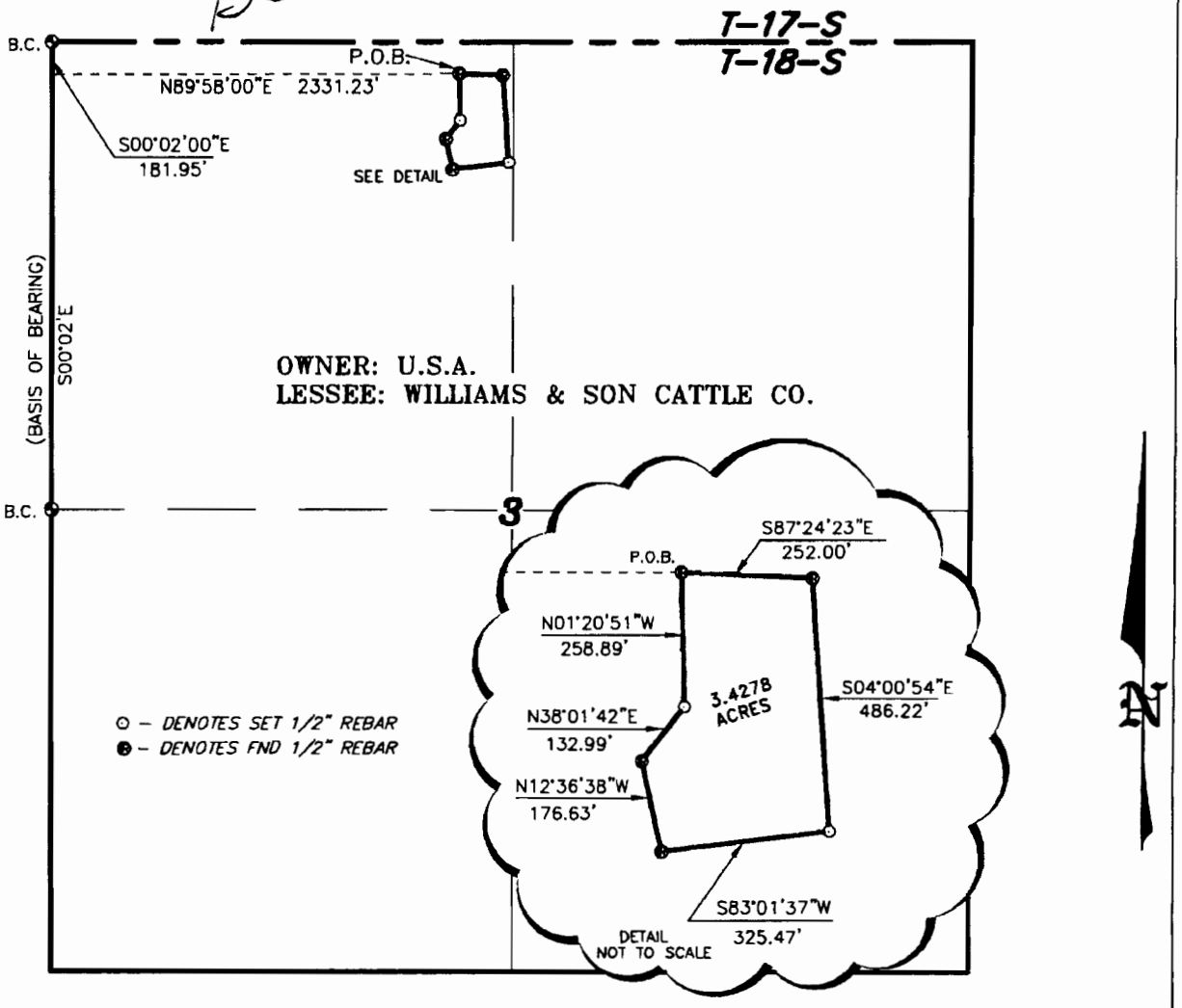
Henshaw Station

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 DRosprim
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

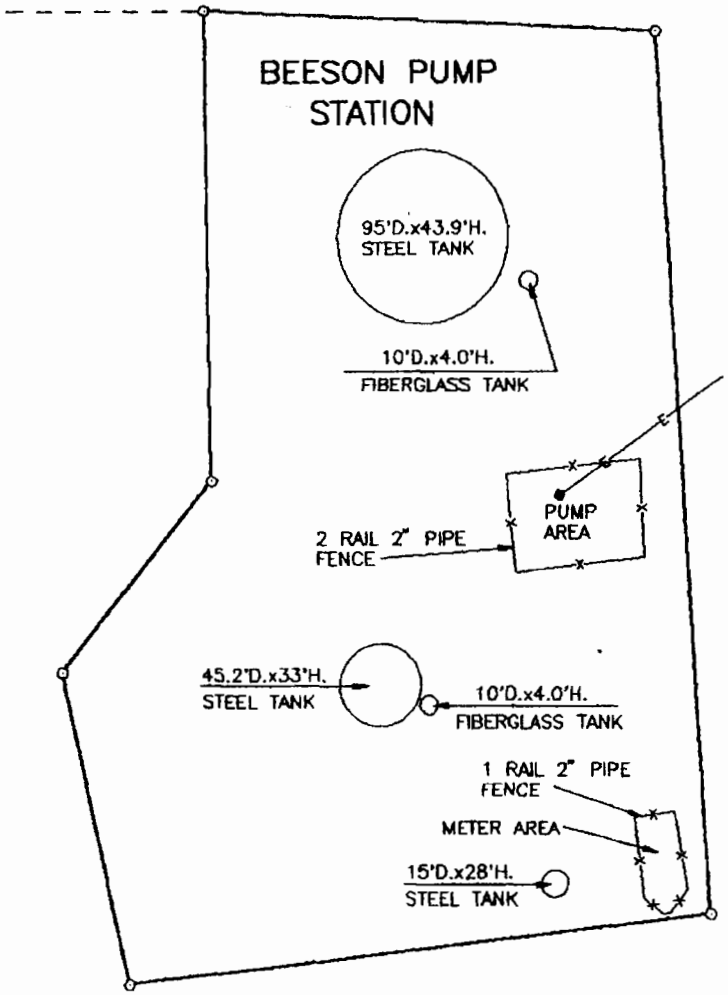
Navajo Refining Company

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



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. 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

NAVAJO REFINING COMPANY

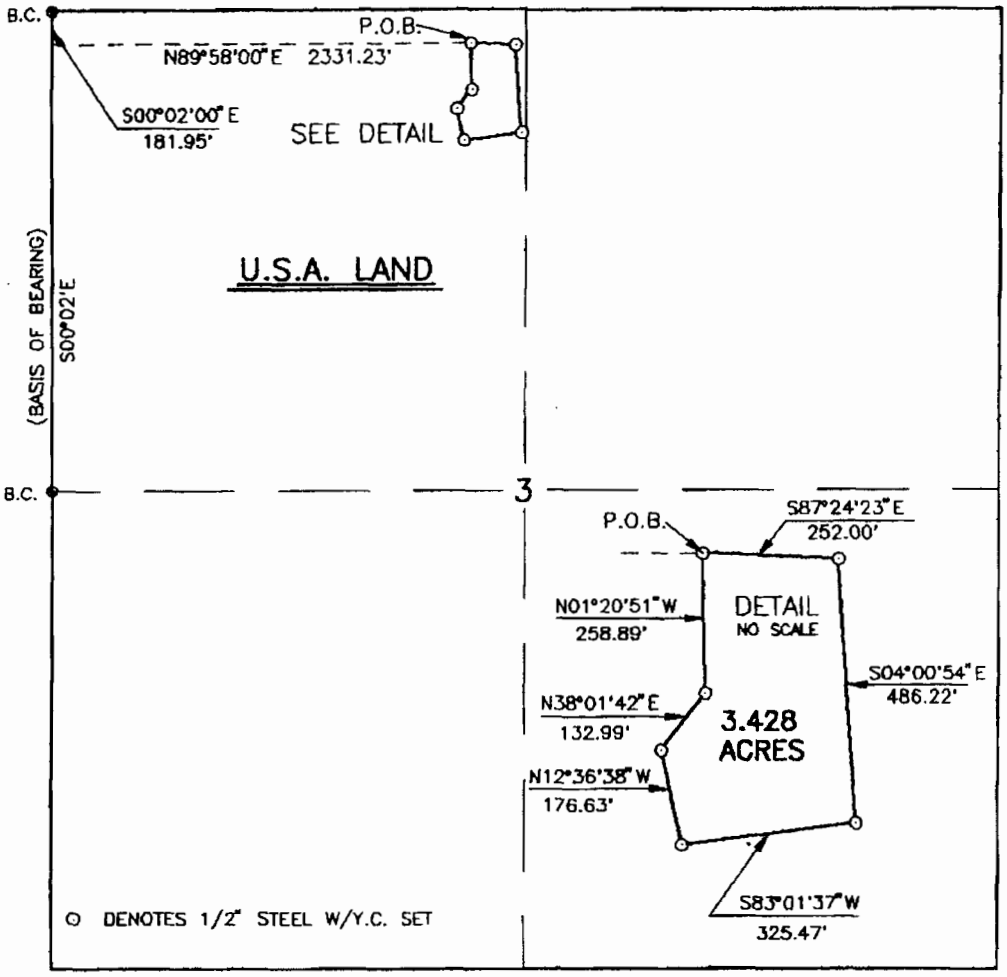
TOPO OF BEESON PUMP STATION LOCATED IN SECTION 3, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

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:

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of Check No. 1016579 dated 4/2/14

or cash received on 5/14/14 in the amount of $ 700.00

from TRC

for HIP - 133

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

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

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility: _____ Renewal: _____

Modification _____ Other ✓ PERMIT FEE

Organization Code 521.07 Applicable FY 14

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

TRC

21 Griffin Road North
Windsor, CT 06095

Citizens Bank
CONNECTICUT
51-7011/2111

1016579
CHECK DATE

April 2, 2014

PAY

AMOUNT

Seven Hundred and 00/100 Dollars

TO

New Mexico Water Quality Management Fund
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

700.00

By _____ MP
VOID AFTER 90 DAYS AUTHORIZED SIGNATURE

Security Check features included Details on back

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:
5/14/14		✓	TRC	4/2/14	1016579		$700.00		
TOTAL							$700.00		

REVENUE TRANSMITTAL SHEET

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