PROJECT SUMMARY AND NO FURTHER ACTION REQUEST

BE-7-4 Loop Eddy County, New Mexico RP# - 2RP-4003

Prepared for:



370 17th St., Suite 2500 Denver, CO 80202

Prepared by:



6899 Pecos Street, Unit C Denver, Colorado 80221

February 6, 2017



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1. INTRODUCTION

Tasman Geosciences, Inc. (Tasman) has prepared this Project Summary and No Further Action (NFA) Request on behalf of DCP Midstream, LP (DCP) to document the results of field activities that were conducted at the BE-7-4 Loop (Site) with associated RP# 2RP-4003 located in Eddy County, New Mexico (Figure 1). These activities were performed in accordance with the Site Characterization and Remediation Work Plan (SCRWP) that was submitted to the New Mexico Oil Conservation Division (NMOCD) on December 21, 2016. The field remediation activities discussed herein were completed between January 16 and 20, 2017, and an NFA request for Site closure is also provided.

2. SITE REMEDIATION ACTIVITIES

In accordance with the SCRWP, Site remediation activities were initiated on January 16, 2017. Hydrovacuum potholing was conducted to daylight the buried DCP flowline utilities illustrated on Figure 2 in anticipation of mechanical excavation of impacted soil. Approximately 10 yards of material was removed through hydrovacuum excavation activities and transported and disposed of at the R360 disposal facility under manifesting procedures. Impacted soil excavation activities were initiated on January 17, 2017 and completed on January 19, 2017. A total of approximately 350 cubic yards of soil was removed from the Site and transported and disposed of at the Lea Land Inc. landfill disposal facility under manifesting procedures.

Impacted soil excavation activities were guided using a photoionization detector (PID) and by filling a one quart zip-lock bag with an aliquot of soil from discreet sample locations collected at the base and sidewalls of the excavation. The samples were analyzed in the field for volatile organic compound (VOC) concentrations using traditional headspace sampling techniques. Soil samples from the extents of the excavation were submitted under chain of custody procedures to Cardinal Laboratories in Hobbs, New Mexico for analysis of BTEX using USEPA Method 8021B and total petroleum hydrocarbons gasoline range organics (TPH-GRO) and TPH diesel range organics (DRO) using USEPA Method 8015. Additionally, the sample that was observed to have the highest PID reading was collected for chloride analysis using USEPA Method SM4500Cl-B. The soil sample locations and analytical data are illustrated on Figure 2, the laboratory analytical data is summarized on Table 1, and the laboratory analytical reports are included in Appendix A.

3. CONCLUSIONS AND NFA REQUEST

Based on the laboratory analytical results, petroleum hydrocarbon impacts exceeding one or more of the NMOCD Action Levels for the Site were confirmed in the vicinity of soil samples SS05@7' and BS01@14' that were collected on January 18, 2017. Therefore, on January 19, 2017, approximately 120 cubic yards of soil was removed from the base of the excavation and the sidewall where those samples were collected yielding a total project volume of approximately 350 cubic yards of excavated soil.



Subsequent to excavation activities on January 19, 2017, confirmation soil samples were collected from the base and the sidewall of the excavation to verify that all impacted soil was removed. The results of confirmation sampling, as illustrated on Figure 2 and summarized in Table 1, indicate that all impacted soil above NMOCD Action Levels was removed from the Site. Additionally, the chloride sample analytical results from BS01@14' was below the NMOCD guideline of 250 milligrams per kilogram (mg/kg) with a detected concentration of 96.0 mg/kg.

On January 19, 2017, Tasman on behalf of DCP notified the NMOCD via email of the soil sample laboratory analytical results from the final extents of the excavation. Approval for backfilling activities was received from the NMOCD on January 19th and backfilling and compaction activities were completed at the Site on January 20th. The January 19, 2017 email from the NMOCD granting approval to proceed with backfilling activities is included in Appendix B. The excavation area totaling approximately 710 square feet was subsequently recontoured to as near the original topography as possible.

Based on the field activities described herein, Tasman on behalf of DCP is requesting a NFA determination and Site Closure status for the project.

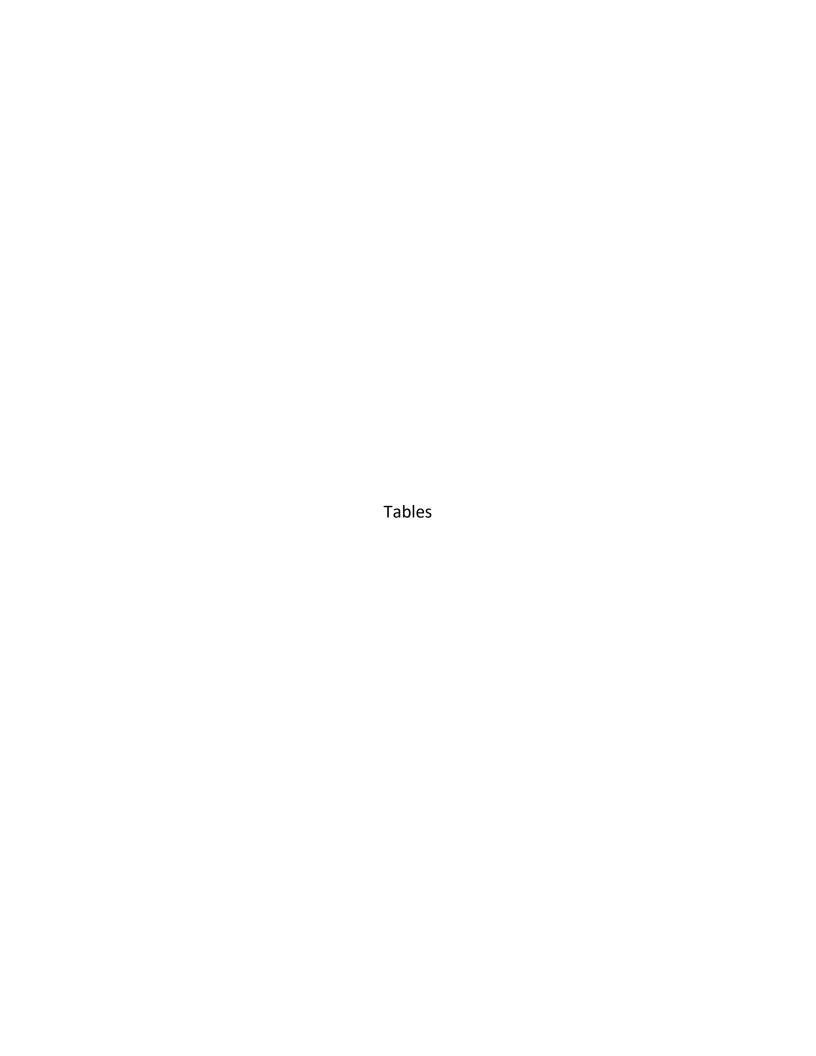


TABLE 1 DCP - BE-7-4 LOOP SOIL ANALYTICAL RESULTS SUMMARY TABLE

Sample ID	Date Sampled	Depth (Feet bgs)	PID Readings (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH (2) GRO/DRO (mg/kg)	Chlorides (mg/kg)
SS01 @ 7'	1/18/2017	7	2.7	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	12.2	12.2	NA
SS02 @ 7'	1/18/2017	7	4.0	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
SS03 @ 7'	1/18/2017	7	7.5	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
SS04 @ 7'	1/18/2017	7	198.1	0.055	0.304	0.103	0.710	1.17	<10.0	<10.0	<10.0	NA
SS05 @ 7'	1/18/2017	7	207.4	61.1	285	65.6	300	712	11,000	529	11,529	NA
SS06 @ 7'	1/18/2017	7	19.0	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	22.8	<10.0	22.8	NA
SS07 @ 7'	1/19/2017	7	58.5	< 0.050	< 0.050	< 0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	NA
BS01 @ 14'	1/18/2017	14	314.0	15.2	76.1	19.0	85.7	196	1,920	104	2,024	96.0
BS02 @ 14'	1/18/2017	14	60.8	0.121	0.221	< 0.050	< 0.150	0.342	14.1	<10.0	14.1	NA
BS03 @ 17'	1/19/2017	17	20.7	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
NMOCD Action Levels - Soil (mg/kg) (1)				10	NA	NA	NA	50	NA	NA	100	250

Notes:

1). Standards for Soil are taken from NMOCD Guidelines for Remediation of Leaks, Spills and Releases, 1993, total ranking >19

Bold indicates concentration exceeds NMOCD Action Levels.

GRO - Gasoline range organics.

mg/kg= Milligrams per kilogram.

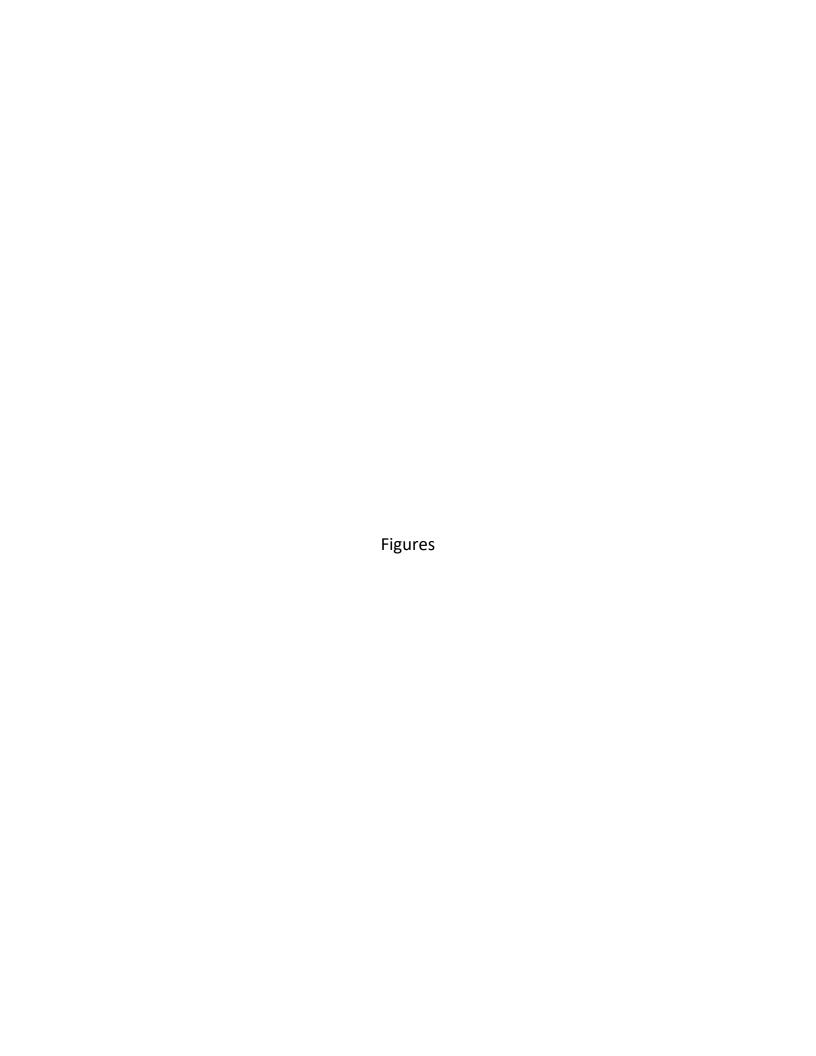
ppm - Parts per million

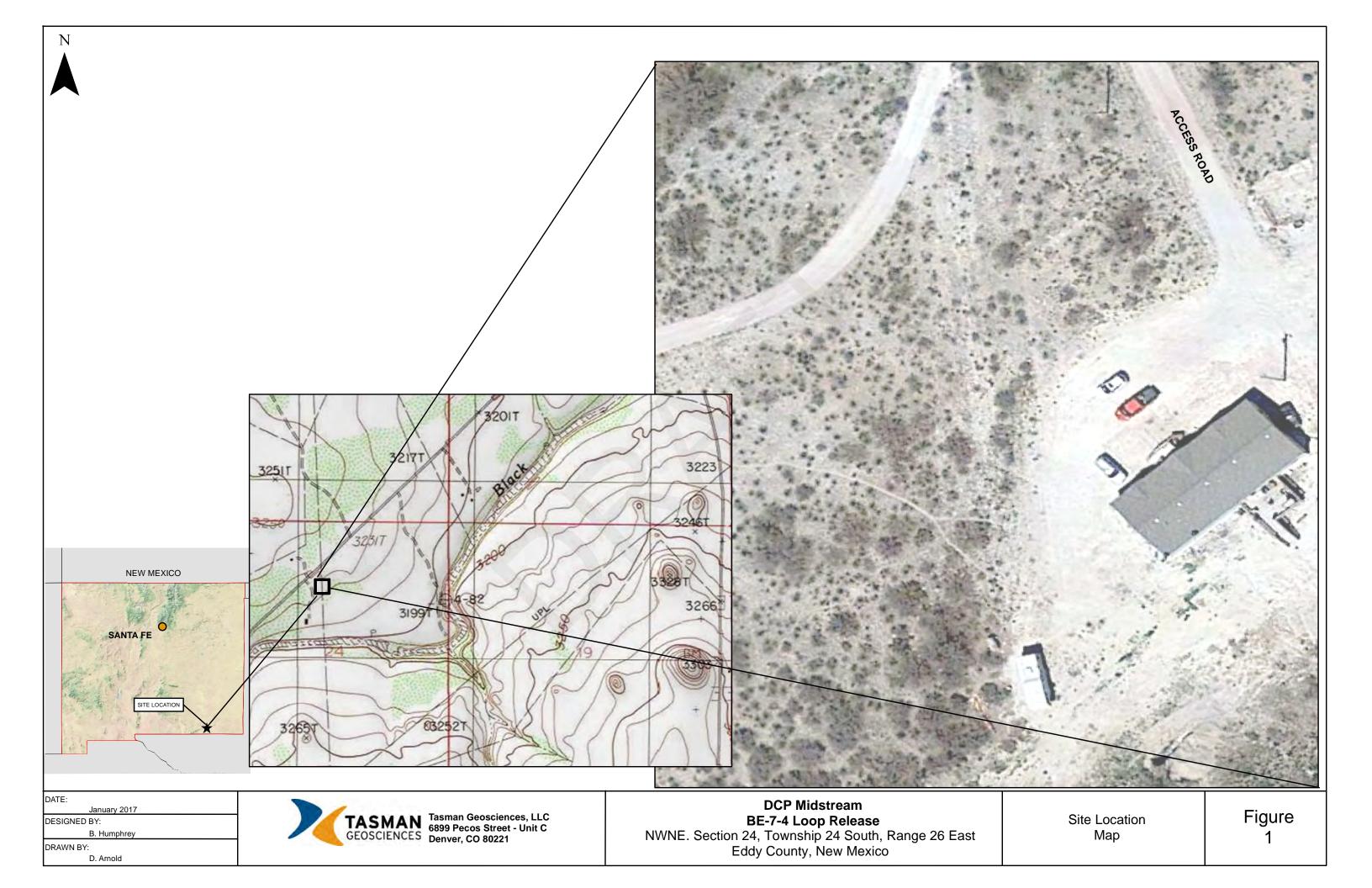
DRO - Diesel range organics.

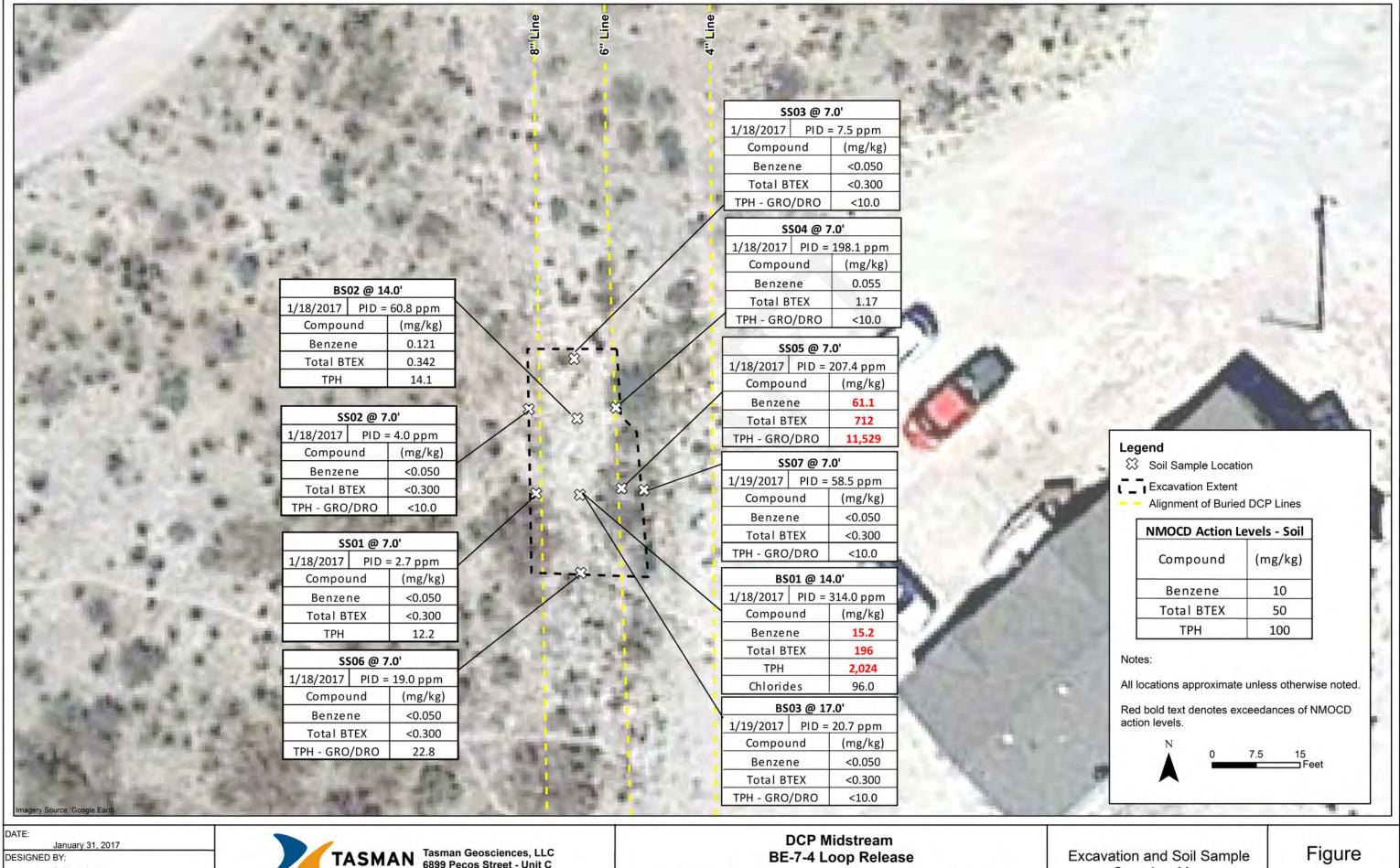
bgs - Below ground surface.

NA - Not applicable

^{2).} TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.







B. Humphrey DRAWN BY: D. Arnold



NWNE, Section 24, Township 24 South, Range 26 East Eddy County, New Mexico

Overview Map





January 18, 2017

BRIAN HUMPHREY TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER, CO 80221

RE: DCP - BE-7-4 LOOP

Enclosed are the results of analyses for samples received by the laboratory on 01/18/17 11:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Lab Director/Quality Manager



TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received: 01/18/2017 Reported: 01/18/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SS 01 @ 7' (H700117-01)

BTEX 8021B	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	12.2	10.0	01/18/2017	ND	209	104	200	5.39	
Surrogate: 1-Chlorooctane	73.1	% 35-147	7						
Surrogate: 1-Chlorooctadecane	88.3	% 28-171	•						

Cardinal Laboratories *=Accredited Analyte

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Received: 01/18/2017 Reported: 01/18/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SS 02 @ 7' (H700117-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	
Surrogate: 1-Chlorooctane	85.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	100 9	% 28-171							

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Received: 01/18/2017 Reported: 01/18/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SS 03 @ 7' (H700117-03)

BTEX 8021B	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.6-14	0						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	
Surrogate: 1-Chlorooctane	93.6	% 35-147	7						
Surrogate: 1-Chlorooctadecane	96.7	% 28-171	,						

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Received: 01/18/2017 Reported:

01/18/2017 Project Name: DCP - BE-7-4 LOOP Project Number: BE-7-4 LOOP Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017 Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: SS 04 @ 7' (H700117-04)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.055	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	0.304	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	0.103	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	0.710	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	1.17	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 5	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	

35-147 Surrogate: 1-Chlorooctane 87.4 % Surrogate: 1-Chlorooctadecane 80.6 % 28-171

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TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received: 01/18/2017 Reported: 01/18/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SS 05 @ 7' (H700117-05)

BTEX 8021B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	61.1	2.00	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	285	2.00	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	65.6	2.00	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	300	6.00	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	712	12.0	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.6-14	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11000	100	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	529	100	01/18/2017	ND	209	104	200	5.39	
Surrogate: 1-Chlorooctane	173	% 35-147	7						
Surrogate: 1-Chlorooctadecane	81.1	% 28-171	,						

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TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received: 01/18/2017 Reported: 01/18/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SS 06 @ 7' (H700117-06)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	22.8	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	
Surrogate: 1-Chlorooctane	86.7	% 35-147	7						
Surrogate: 1-Chlorooctadecane	92.0	% 28-171	i						

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TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received: 01/18/2017 Reported: 01/18/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BS 01 @ 14' (H700117-07)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	15.2	0.500	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	76.1	0.500	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	19.0	0.500	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	85.7	1.50	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	196	3.00	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/18/2017	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1920	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	104	10.0	01/18/2017	ND	209	104	200	5.39	
Surrogate: 1-Chlorooctane	111 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	87.7	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received: 01/18/2017 Reported: 01/18/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/18/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BS 02 @ 14' (H700117-08)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.121	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	0.221	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	0.342	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14.1	10.0	01/18/2017	ND	207	103	200	8.30	
DRO >C10-C28	<10.0	10.0	01/18/2017	ND	209	104	200	5.39	
Surrogate: 1-Chlorooctane	85.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	90.9	% 28-171	,						

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

DCP Midstream		BILL TO	•	1		1	ANA	ANAI YSIS	- 1	CHECT	
Project Manager: Brian Humphrey / Hack Conder		P.O. #:		\dashv	\forall	1			- 1	NEWOES!	
Address:		Company: Tasman					;				
City: State:	Zip:	Attn: Brian Humphrey	Irev	_	_		ns				
Phone #: Fax #:		Address: 6899 Pecos St. Unit C	s St. Unit C	_	-		nic				_
Project #: Project Owner:	37.	City: Denver	_	_	VI	1	/A				
		State: CO Zip: 80221		5 I	_	PH	ns				
Project Location: BE-7-4 Loop		Ö		_	EX	_	tio				
Sampler Name: Kyle Norman		Fax#:		_			Ca	ΓD			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		Ch			e (
Lab I.D. Sample I.D.	OR (C)OMP FAINERS NDWATER WATER	: ASE: DOL				T	omplete				
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0 85 07 614.	S - V	<	9:25	7	1						
EASE 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 and by the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and by the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and by the client's exclusive remedy for any claim.	ny claim arising whether based in contrac	t or fort shall be limited to the amount of	ad he the client for the								
wide. In no event shallow the company of the compan	liatacever shall be deemed walved unless made in writing and received by o damages, including without limitation, business interruptions, loss of use, or ses hereunder by Cardinal, regardless of whether such claim is based upon	id received by Cardinal within 30 days at loss of use, or loss of profits incurred by is based upon any of the above stated r	after completion of the appl y client, its subsidiaries, reasons or otherwise.	cable							
FM. N. 11161:25	De la	enson	Phone Result: Fax Result: REMARKS:	☐ Yes	00	No No	Add'l Phone #: Add'l Fax #:	none #:			
elinquished By: Time:	Received By:		email results: bhumphrey@	llts: y@ta	sman	-geo.	com	hpco	nder	@dcpmids	email results: bhumphrey@tasman-geo.com hpconder@dcpmidstream.com
		OHECKED BY:	swweathe	p@s.	cpmic	dstrea	m.co	m kn	orma	an@tasma	swweathers@dcpmidstream.com knorman@tasman-geo.com
+ Cardinal page 4	C.DC Thes Pres	TAN-	73	3	1	916	(1)	0	3	515-318-5017 Verbal	bal



January 19, 2017

BRIAN HUMPHREY TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER, CO 80221

RE: DCP - BE-7-4 LOOP

Enclosed are the results of analyses for samples received by the laboratory on 01/19/17 9:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Lab Director/Quality Manager



TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received: 01/19/2017 Reported: 01/19/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/19/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Brittany Feller

Sample ID: BS 03 @ 17' (H700124-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	<0.050	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	<0.150	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTEX	<0.300	0.300	01/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/19/2017	ND	195	97.3	200	1.16	
DRO >C10-C28	<10.0	10.0	01/19/2017	ND	201	100	200	0.152	
Surrogate: 1-Chlorooctane	74.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	74.8	% 28-171							

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TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received: 01/19/2017 Reported: 01/19/2017

Project Name: DCP - BE-7-4 LOOP
Project Number: BE-7-4 LOOP
Project Location: CARLSBAD, NM

Sampling Date: 01/19/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Brittany Feller

Sample ID: SS 07 @ 7' (H700124-02)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	<0.050	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	<0.150	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTEX	<0.300	0.300	01/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/19/2017	ND	195	97.3	200	1.16	
DRO >C10-C28	<10.0	10.0	01/19/2017	ND	201	100	200	0.152	
Surrogate: 1-Chlorooctane	83.8	% 35-147	,						
Surrogate: 1-Chlorooctadecane	92.3	% 28-171							

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Notes and Definitions

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

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Celeg D. Freene

RUSH CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Samplé Condition Cool Intact Cyes G Yes

CHECKED BY:

swweathers@dcpmidstream.com knorman@tasman-geo.com

bhumphrey@tasman-geo.com hpconder@dcpmidstream.com

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

Relinquished By:

Time:

Received By:

Fax Result: REMARKS:

☐ Yes ☑ No Add'I Fax #:

email results:



 From:
 Bratcher, Mike, EMNRD

 To:
 bhumphrey@tasman-geo.com

Cc: hpconder@dcpmidstream.com; "Blair, Yvonne B"; knorman@tasman-geo.com; Weaver, Crystal, EMNRD

Subject: RE: DCP BE-7-4 Loop Analytical Results
Date: Thursday, January 19, 2017 1:06:30 PM

Attachments: <u>image002.png</u>

RE: DCP Midstream * BE 7-4 Loop Pipeline * 2RP-4003 * DOR: UNK

Brian,

Based on analytical data provided, OCD approves your request to commence backfill operations. Please proceed on your schedule.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, please contact me.

Thank you,

Mike Bratcher NMOCD District 2 811 S. First St. Artesia NM 88210 575-748-1283 Ext 108 mike.bratcher@state.nm.us

From: bhumphrey@tasman-geo.com [mailto:bhumphrey@tasman-geo.com]

Sent: Thursday, January 19, 2017 12:07 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: hpconder@dcpmidstream.com; 'Blair, Yvonne B' <YBBlair@dcpmidstream.com>;

knorman@tasman-geo.com

Subject: DCP BE-7-4 Loop Analytical Results

Mr. Bratcher,

Per our phone call this morning regarding the DCP BE-7-4 Loop project, I have attached the analytical reports for the confirmation soil samples that have been collected from the extents of the excavation. As discussed, two of the samples that were collected yesterday were returned above

the Action Levels for BTEX and/or TPH. As such, additional soil was removed from the excavation this morning at those locations and the extents were resampled. Based on the analytical data from the samples that were collected today, all impacted material has been removed. Therefore, Tasman on behalf of DCP Midstream is requesting approval to commence with backfilling activities. Should you have any questions, or require additional information, please let me know.

Thank you,

Brian Humphrey
Program Manager
Tasman Geosciences
O: 303-487-1228
C: 720-633-5143
6899 Pecos St., Unit C
Denver, CO 80221
bhumphrey@tasman-geo.com
TASMAN