HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

Dirt Work	*	On-Site Remediation	*	Soil Testing	*	Excavation
						Page 1
8July11			·			
Andre Johnn Charlie Reference Operator: Line: M 28 Legals: See	w Kraeme ie Bradford e Joslin, DC : Remedia DCP Midst 3 Line c. 32, T18S	M OCD, Dist 2 r, NM SLO (Carlsbad) d, DCP Midstream CP Midstream tion Work Plan tream 5, R30E (Eddy County, NM) 103.98740		RECEI JUL 18 NMOCD A	2011	

Site Background Info

This affected area is between Hobbs and Carlsbad on CR250/Grubbs Road approximately 1 mile east of Highway 360. The remediation is the result of a line strike by a contractor that caused an unplanned release of fluid from the pipeline owned by DCP Midstream. The release point is at the northeast corner of a caliche pit. The north half of the pit, as well as the affected area, is owned by the State of New Mexico.

The natural contour of the land is a gradual slope to the west. There are two arroyos that run east/west on the north side of the pit. These arroyos are approximately 5'-7' deep. The area consists mainly of native grasses, yucca plants, and mesquite bushes. Based upon the Eddy County Depth to Groundwater Map, depth to ground water is 100'-200'. There are no known water wells of surface bodies of water within 1000' of this location. Thus, this site is given a Site Ranking Score of 0.

Work Conducted to Date

Upon notification of the line strike, the line was shut in and immediately repaired. Due to the location of the line in relation to the stockpile of the pit, much of the released liquid was absorbed into the loose stockpiled overburden. Thus recovery of released liquid by vacuum truck was not possible. A site assessment was conducted and initial soil samples were obtained (see attachments) to determine the contents of the line and to aid in developing a remediation work plan.

Proposed Work Plan

The goal of this proposal is to thoroughly remediate the affected areas by causing minimal amount damage to the existing terrain. This goal will be accomplished by the following steps.

HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

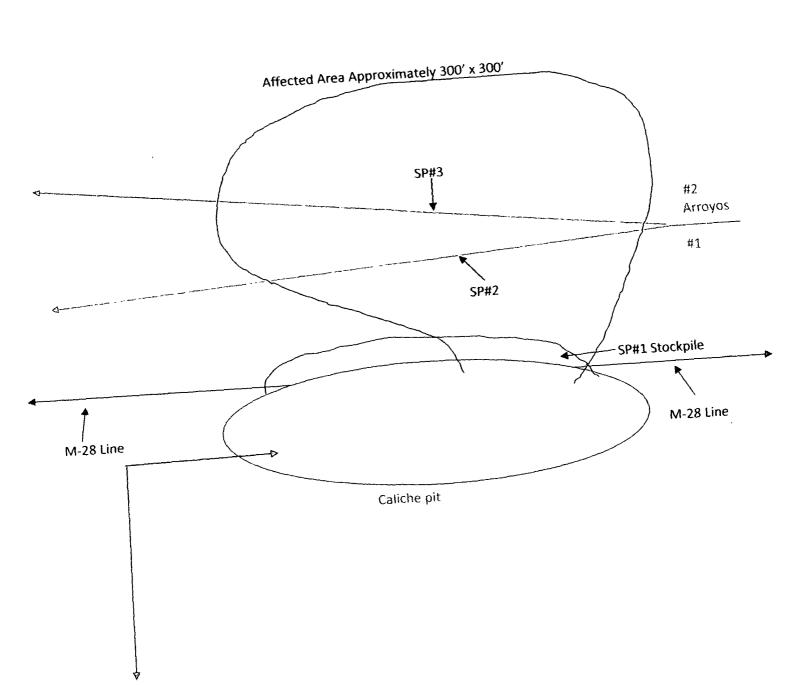
Dirt Work	*	On-Site Remediation	*	Soil Testing	*	Excavation
				-		

Page | 2

- 1) Using a pressure washer, all mesquite bushes and any other vegetation taller than the native grasses will be thoroughly washed with a mixture of freshwater and a biodegradable soap.
- 2) The affected areas on the walls and bottom of the two arroyos (see attached sketch) will be treated with a heavy application of MicroBlaze.
- 3) The area to the north of the pit that received the over-spray will be heavily disked allowing the minimal surface contaminants to be blended with clean soil.
- 4) The area in the vicinity of the where the line strike occurred, will be excavated to remove the heaviest concentrations of saturated soil. The excavated material will be transported to a division approved facility for disposal.
- 5) Upon removal of the saturated soil, additional soil samples will be obtained and analyzed for Chlorides/TPH/BTEX. Lab results will be presented to NM OCD's Mike Bratcher for discussion of the possibility of blending the remaining contaminants with the stockpile of overburden material on the north side of the pit.
- 6) When moisture conditions are favorable for re-growth, the area to the north that was heavily disked will be re-seeded with a NM State Land Office seed mixture and lightly disked.

Thanks for your help and I look forward to once again working with all involved.

Vernon K. Black, Hungry Horse, LLC



NOTE: Drawing is not to scale, to be used for illustration purposes only.



SP #1 Stockpile SP #2 N Wall of Arroyo #1 SP #3 Bottom of Arroyo #2

Surface	6720ppm	1250ppm	496ppm
1' BGS	*****	*****	32ppm
3' BGS	256ppm	224ppm	*****

CHLORIDE LAB RESULTS

SP #1 Stockpile SP #2 N Wall of Arroyo #1 SP #3 Bottom of Arroyo #2

Surface	161.8ppm	34.88ppm	24.57ppm
1' BGS	*****	****	1.61ppm
3' BGS	725.15ppm	2.45ppm	*****

Total BTEX Lab Results

SP #1 Stockpile SP #2 N Wall of Arroyo #1 SP #3 Bottom of Arroyo #2

Surface	5750/19000	1110/20000	1400/26000
1' BGS	*****	****	48/601
3' BGS	15600/24600	41/120	******

TPH (GRO/DRO) Lab Results

DCP's M 28 Line Initial Soil Sampling

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		Hungry Ha	orse Environmental		
		VERNON I	BLACK		
		PO Box.	1058		
		Hobbs NM	1, 88240		
		Fax To:	(\$05) 391-4585		
	07/04/0044			Samulture Destru	06/30/2011
Received.	07/01/2011			Sampling Date:	, .
Reported.	07/06/2011			Sampling Type:	Soil
Project Name	M-28 LINE			Sampling Condition:	Coor & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location	NOT GIVEN				

Sample 1D: SP #1 TOP STOCKPILE SURFACE (H101361-01)

BT2X 80216	mg/kg		Ànaiyze	d By: CMS				\$-04	
Analyte	Risout	Reporting Limit	Analyzed	Method Blank	BS	% Recoverv	True Value QC	RPD	Qualitie
Benzene ⁺	<0.500	0.500	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	29.6	0.500	07/05/2011	ND	2.00	99.9	2.00	0.584	
Ethylbenzene*	9.29	0.500	07/05/2011	ND	2.03	101	2.00	2,76	
Total Xylenes*	123	1.50	07/05/2011	NU	6.15	103	6.00	0 439	
- Surrogate 4-Bromofluorobenzene (Pd	132 9	70-130)						
Chioride, SM4500Ci-B	mg/kg		Analyzed By: HM						
4naiyte	Result	Reporting Limit	Anaiyzed	Migthod Blank	95	% Recovery	True Value QC	RPD	Qualifie
Chloride	6720	16.0	07/01/2011	ND	416	104	·i00	3 77	
TPH 8015M	mg/	ky	Anaiyze	d By. ab					S-06
Analyte	Result	Peporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RÞD	Qualifie
GRO C6-C10	5750	50.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	19000	50.0	07/01/2011	NU	149	74.3	200	1.95	
surrogate 1-Chloraoctane	214	5 70-136					-		
Surrogata: 1-Chlorosetadecena	196.9	- 							

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Celey D. Keene, Lab Director/Quality Manager



		Hungry Ho VERNON I P.O. Box J Hobbs NM	1058		
		Fax To.	(505) 391-4585		
Received:	07/01/2011			Sampling Date:	06/30/2011
Reported.	07/06/2011			Sampling Type:	Soil
Project Name:	M-28 LINE			Sampling Condition.	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location.	NOT GIVEN				

Sample ID: SP #1 TOP STOCKPILE 3' BGS (H101361-02)

6TEX 80218	mg/	kg	Anaiyze	d By: CMS					
Anglyte	Result	Poporting Limit	Analyzed	Methon Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.65	5.00	07/05/2011	ND	1 83	91.6	2.00	1.23	
Toluene*	248	5 00	07/05/2011	ND	2.00	99.9	2 00	0.584	
Ethylbenzene*	34.5	5.00	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes*	406	15.0	07/05/2011	ND	6.15	103	6.00	0.439	
Surrogate 4-Bromofluorobenzene (PL	- 119%							-	
Chioride, SM4500Cl-5	ma/	in .	<u><u><u></u></u></u>	d Bv: HM					

Chioride, SM4500CI-B	mg/	жġ	Апагузе						
Analyte	Recut	Peperting Limit	Analyzed	Method Blank	BŞ	the Recovery	Thie Value QC	RPD	Qualifier
Chloride	256	16.0	07/01/2011	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: ab						5-05
Analyte	Result	Reporting Limit	Analyzeu	Method Blank	BS	% Recovery	True value QC	RPD	Qualifier
GRO C6-C10	15600	50.0	97/05/2011	ND	163	81.5	200	3.90	
DRO >C10~C28	24600	50.0	07/05/2011	ND	149	74.3	200	1.95	
Surrogate 1-Chlorooctane	563 5	%. 70+130)						
Surrogate: 1-Chlorooctadecane	509 5	44 70-130	1						

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Celey D. Keene, Lab Director/Quality Manager



		Hungry Ha VERNON (orse Environmental BLACK		
		P.O. Box .	1058		
		Hobbs NM	1, 88240		
		Fax To.	(505) 391-4585		
Received:	07/01/2011			Sampling Date:	06/30/2011
Reported:	07/06/2011			Sampling Typer	Soil
Project Name.	M-28 LINE			Sampling Condition.	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By.	Jodi Henson
Project Location:	NOT GIVEN				

Sample ID: SP #2 N WALL #1 ARROYO SURFACE (H101361-03)

BTEX 80218	mg;	kg	Anaiyze	d By: CMS	<u></u>				
Analyke	Rosuit	Peporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RРD	Qualifier
Benzene ⁺	<0.200	0.200	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toiuene*	6.20	0 500	07/05/2011	ND	2.00	99.9	2 00	0.584	
Ethylbenzene*	1.85	0.500	07/05/2011	ND	2.03	101	2 00	2.76	
Total Xylenes*	26.8	1.50	07/05/2011	ND	6.15	103	6.00	0.439	
Surrogate 2-Bromofluorobenzene (PIE	116	°o 70-136					•		
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analvte	Prout	Reporting Limit	Anaiyand	Metnori Biank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16 0	07/01/2011	ND	416	10-1	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analvzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1110	50.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	20000	50.0	67/01/2011	ND	149	74 3	200	1.95	
Surrogate 1-Chloroceane	123	3 ₁₀ 7()-15()	1						
Surrogans' 1-Chlorooctade.ane	98 3	98 70-130	ŧ						

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 9



Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	07/01/2011	Sampling Date:	06/30/2011
Reported:	07/06/2011	Sampling Type:	Soil
Project Name:	M-28 LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP #2 N WALL #1 ARROYO 3' BGS (H101361-04)

BTEX 8021B	mg,	/kg	Analyzed By: CMS						
Analyte	Result	Peporting Limit	Analyzed	Method Blank	RS	% Recovery	True Value QC	dab	Qualifier
Benzene '	~ 0.050	0.050	67/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	0.324	0 050	07/05/2011	ND	2.00	<u>89.0</u>	2.00	0.584	
Ethylbenzene*	0.137	0.050	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes [≭]	2.00	0.150	07/05/2011	ND	6.15	103	6.00	0.439	
Survogate 4-Bromofluorobenzene (P1L	119	36 70-130)	•					•
Chioride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Peporting Limit	Analyzed	Method Blank	RS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/01/2011	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analvzcu	Methou Blank	83	% Recovery	True Value QC	RPC	Qualifier
GRO C5-C10	41.2	10.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	120	10.0	07/01/2011	ND	149	74.3	200	1.95	
Surrogate 1-Chloroociane	113	55 70-130	1						
surrogate: 1-Chloroceade.ane	107	%)						

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Celey D. Keene, Lab Director/Quality Manager



		Hungry Ho	orse Environmental					
	VERNON BLACK							
		P.O. Box 3						
		Hobbs NM	1, 88240					
		Fax To:	(505) 391-4585					
Received:	07/01/2011			Sampling Date:	06/30/2011			
Reported:	07/06/2011			Sampling Type:	Sorl			
Project Name:	M-28 LINE			Sampling Condition:	Cool & Intact			
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson			
Project Location:	NOT GIVEN							

Sample ID: SP #3 BTM OF #2 ARROYO SURFACE (H101361-05)

mg/kg		Analyzed By: CMS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.200	0.200	07/05/2011	ND	1.83	91.6	2.00	1.23	
3.73	0.500	07/05/2011	ND	2.00	99.9	2.00	0.584	
1.24	0.500	07/05/2011	ND	2.03	101	2.00	2.76	
19.6	1.50	07/05/2011	ND	6.15	103	6.00	0.439	
	Result <0.200 3.73 1.24	Result Reporting Limit <0.200	Result Reporting Limit Analyzed <0.200	Result Reporting Limit Analyzed Method Blank <0.200	Result Reporting Limit Analyzed Method Blank BS <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.200

Surrogate 4-Bromofluorobenzene (PIL 123 % 70-130

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/01/2011	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: ab					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1400	50.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	26000	50.0	07/01/2011	ND	149	74.3	200	1.95	
Surrogate. 1-Chlorooctane	142 9	70-130							
Surrogate 1-Chlorooctadecane	1169	% 70-130							

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Celey D. Keene, Lab Director/Quality Manager



		Hungry Horse Environmental								
		VERNON BLACK								
	P.O. Box 1058									
Hobbs NM, 88240										
		Fax To:	(505) 391-4585							
Received:	07/01/2011			Sampling Date:	06/30/2011					
Reported:	07/06/2011			Sampling Type.	Soil					
Project Name	M-28 LINE			Sampling Condition:	Cool & Intact					
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson					
Project Location:	NOT GIVEN									

Sample ID: SP #3 BTM #2 ARROYO 1' BGS (H101361-06)

BTEX 8021B	mg/	'kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	0.099	0.050	07/05/2011	ND	2.00	99.9	2.00	0.584	
Ethylbenzene*	0.057	0.050	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes*	1.47	0.150	07/05/2011	ND	6.15	103	6.00	0.439	
Surrogate 4-Bromofluorobenzene (PIL	128 5	% 70-130							
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/01/2011	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	47.9	10.0	07/01/2011	ND	163	81.5	200	3.90	
DR0 >C10-C28	601	10.0	07/01/2011	ND	149	74.3	200	1.95	
Surrogate 1-Chlorooctane	rrogate 1-Chloroociane 125 % 70-13		*****						
Surrogate 1-Chlorooctadecane	114 9	% 70-130	I						

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Celey Li Keine

Celey D. Keene, Lab Director/Quality Manager

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised January 1, 2008

Submit 1 Copy to appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action												
							OPERATOR Initial R					Final Report
Name of Co		Contact: Johnnie Bradford										
Address: 10	Desta Dr	ive, Suite 4(90 W, Mi	idland, TX.,797()5		& E-mail: 432.	.620.410	56 / jbradi	ford@dcpn	nidstr	eam.com
Facility Nat	me:M-28	Pipeline Seg	ment			Facility Typ	e: Pipeline					
Surface Ow	ner: State	of NM		Mineral O	wner:	:			Well A	PI No.:		
<u> </u>			· · · · · ·	LOCA	TIO	N OF RE	LEASE					
Unit Letter	Section 32	Township 18	Range 30	Feet from the	North	h/South Line S	Feet from the	East/V	Vest Line E	County Lea		
L		Latit	ude	32.697035		Longitud	e 103.9	87277		1		
				NAT	URF	E OF REL	EASE					
Type of Rele	asc : Gas a	nd Oil					Release: 420 Ms	scf	Volume I	Recovered:	0	
Source of Ro	lease:					gas/ 15 bb Date& Ho	ur of Occurrence:	:	Date & H	our of Disc	overy:	
Pipeline Was Immedi	ata Nistiga (Ciuco ()CD9				06/28/201		2	Same			
was minedi			Yes [No 🗌 Not Rea	quired	d If YES, To Whom @ OCD? Mike Bratcher						
By Whom? J			<u></u>			Date and Hour: 06/30/2011 ~ 11:00 hrs 12 18 10						
Was a Water	course Rea		Yes 🛛	No		If YES, Volume Impacting the Watercourse.						
If a Waterco NA	urse was 1m	pacted, Descr	ibe Fully.	*		Date& Hour of Occurrence: Date & Hour of Discovery: 06/28/2011 - 17:15 Same If YES, To Whom @ OCD? Mike Bratcher Date and Hour: 06/30/2011 ~ 11:00 hrs If YES, Volume Impacting the Watercourse. JUL NA NMOCD ARTESIA						
A DCPM pip location. The The pipeline s	eline (M-28) resulting rel segment was) was struck by lease from the l immediately is	a contract line strike ; solated fro	n Taken. (If water tor just west of Duva generated ~15 bbls o m service by DCPM	al Sha of oil s field (ft Road while th prayed over 1.5 personnel. The	te contractor was is to 2 acres and ~42 affected area was	20 Mscf o evaluate	f natural gi d and a rem	ns released to rediation con) the at	mosphere.
				e was repaired as sa		nd expeditious	y as possible by co	ntracted	Roustabou	crews.		
	a Affected,	Dimensions,	and Clean	up Action Taken.*								
regulations a public health should their o or the enviro	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.											
			OIL CONSERVATION DIVISION									
Signature:												
Printed Name	e: Johnnie	Bradford				Approved by	District Supervis	sor:				
Title: Sr. En	vironmenta	al Specialist				Approval Dat	le:	1	expiration	Date:		
E-mail Addro	ess: jbradfo	ord@dcpmids	stream.co	<u>m</u>		Conditions of	Approval:			₽ <i>₽</i> #		
Date:		P	hone: 432	.620.4166								

* Attach Additional Sheets If Necessary

DCP M-28Line

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Additional Information as Requested 08/07/2008

- Line Size 12" 1.
- 2, Normal Operating Pressure - 50 psig
- 3, Daily Throughput - 5.5 MMscf/d
- H2S ppm 200+ 4.
- 5. Line Depth -36"
- Gravity of Oil (if applicable) -6.
- Field Gathering Line or Transmission Gathering 7.
- Area Dimensions of Liquid Spill -1.5 2.0 acres Year of Installation ~ 1990 8.

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9.