JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 P.O. BOX 507

AND OIL & GAS ADMINISTRATION

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT

OCT 6 8 7888 ,

DULCE, NEW MEXICO 87528

007 0 8 1991 ,	Dones, NEW Mesos
γ	\$
A Williams	PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY	Telephone: (505)326-9200
Address: 200 Amoco Court, Farmington, NM	
Facility or Well Name:	OTRACT 148-13
Location: Unit or Qtr/Qtr Sec_N_Sec_15_T_25	$\sim R^{5\omega}$ County $\chi = 0.000$
Pit Type: Separator Dehydrator Other_ &L	0W
Land Type: RANGE	
	1', widthZ\', depth(5'
	ther
Footage from reference:	
Direction from reference: 69	Degrees East North
7/2/5	\times West South \times
A STATE OF THE STA	(20 ==inta)
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Cheater than 100 feet (0 points) Less than 100 feet (10 points) Creater than 100 feet (0 points)
proundwater) Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points)
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes (20 points) Solution (0 points)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
T T	RANKING SCORE (TOTAL POINTS): $_$

	BT531 BLOW PIT
Date Remediation Sta	Excavation Approx. cubic yards 90
ediation Method: k all appropriate sections)	Landfarmed Insitu Bioremediation
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility) General Description	Other
Groundwater Encoun	tered: No X Yes Depth
Final Pit: Closure Sampling:	Sample location see Attached Documents
(if multiple samples, attach sample results and diagram of sample locations and depths)	Sample depth 9' (SOUTH SIDEWRLL) Sample date 2 3 98
	Sample Results Soil: Benzene (ppm)
Groundwater Sampl	
I HEREBY CERTIF KNOWLEGE AND	Y THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY BELIEF
DATE SIGNATURE Succession AFTER REVIEW OF THE JICARILL	PRINTED NAME Buddy D. Shaw Oly D. Social AND TITLE Environmental Coordinator OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE A APACHE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES	X NO (REASON)

		- PTC71
CLICIVI	BLAGG ENGINEERING, I P.O. BOX 87, BLOOMFIELD, N (505) 632-1199	M 87413 c.a.c. No: 5724
FIELD REPOR	T: CLOSURE VERIFIC	ATION PAGE NO: of
OCATION: NAME: JCA. C	ONTR. 148 WELL #: 15 PIT: B	DATE STARTED: 2/3/98 DATE FINISHED:
QUAD/UNIT: N SEC: (S	TWP: Z5N RNG: SW PM: NM CNTY: SW14 CONTRACTOR: P+5	ENVIRONMENTAL SPECIALIST: NV
EXCAVATION APPROX.	FT x 21 FT x 15 FT DE	ON METHOD: 27/2011
LAND USE: LANCE	LEASE: JIC 140	17 ET S61W FROM WELLHEAD
DEPTH IN GROUNDWATER: >10	NEAREST WATER SOURCE:N	EAREST SURFACE WATER: >1000'
NWBCD KANKING 2CDKF:		
SOIL AND EXCAVATION		FIBERGLASS TANK INSTALLED
MOSTLY MOD. I NO APPARENT S NO APPARENT A EXPOSED BEOMOC OUM SAMPLE	TRINING OR HE ODOR OBSELVED IN ANY O LE ON EAST SIDEWALL OF TO FOR EAST SIDEWALL DUE TO	SLIGHTLY MOIST, FIRELY, O WIN EXCAVATION, F THE OUM SAMPLES, BOTTOM WARBLE TO COLLECT HARDNESS OF BEDLOCK.
BEDROCK	P4 A OME - 9/8/93	
EOTION CLUSED	FIELD 418.1 CA	NLCULATIONS ml. freon dilution reading calc. ppm
SCALE	TIME SAMPLE I.D. LAB No: WEIGHT (9,	, me. me.
O FT		
	ETER #N	PIT PROFILE
	OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm)	A 17'
TICA.	21 3 e 9' 0.0 4 2 10' 0.0	
148-9 A @ (S)	A 50151 0.0	is'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
MARKEL 3	I TO PHA	
17'	MARKETZ LAB SAMPLES	BEDROCK
	SAMPLES SAMPLE ANALYSIS TIME 3) @ 9' TPH 4/8.1 1300	(GRAYISH ORANGE)
	Passed	
TRAVEL NOTES: CALLOU	ONSITE:	2/3/98



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative:	Blagg / AMOCO 3 @ 9' C875 5724 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Needed:	04034-10 02-04-98 02-03-98 02-04-98 02-04-98 02-04-98 TPH-418.1
Condition:	Cool and Intact	Analysis Needed:	FM-4 10. I

		Det.
Parameter	Concentration (mg/kg)	Limit (mg/kg)
I didiliotoi	<u>, , , , , , , , , , , , , , , , , , , </u>	

Total Petroleum	Hydrocarbons
-----------------	--------------

27.4

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Contract 148-15 Blow Pit.

Dew L. Ofeen

Stacy W Sendler
Review

CHAIN OF CUSTODY RECORD

	Relinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)					 (3)e9' 2/3/98	Sample No./ Sample Identification Date	Million Us	Sampler: (Signature)	SLREG/ Amoco	Client/Project Name
		1						 8 1300	Sample Time				
								C 875	Lab Number	01-42040	Chain of Custody Tape No.	JICARINEA CO	Project Location
ENVIROT			Date Time 2/4/98 0707	SAA				 2012	Sample Matrix	0		CONTRACT 148-1	BLOW PIT
ENVIROTECH INC.	Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	SAMPLE RECEIPED COOL & INTOCT DUAL				\ \ \ \ \	TP.	o. of ainers		/5	ANAL YSIS/PARAMETERS
•	•		2.4.98 0202						MESERY - COOL		Remarks		

5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615

8J53 | SUBMIT 1 COPY TO NATURAL RESOURCE DEPI

AND OIL & GAS ADMINISTRATION

JICARILLA APACHE TRIBE VIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

ON-SITE SOIL REMEDIATION REPORT

•		
Operator: AMOCO PRODUCTION (Address: 200 Amoco Court,	Farmington,	Telephone: (505) 326-9200 NM 87401
racinty of Well Name. Stewer		County PID APPIBA
Į .		SN R SW County RIO ARRIBA
Land Type: <u>EANGE</u>		
Date Remediation Started: 2 3 9 Remediation Method: Landfarmed Composted	8 	Date Completed: 1.13.99 Approx. cubic yards90
"		Final Closure Sampling:
Depth To Groundwater:	(pts.)	
Distance to an Ephemeral Stream	(pts.)	Sampling Date: Time: Time:
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Sample Results: Field Headspace (ppm) 0.0
Wellhead Protection Area:	(pts.)	TPH (ppm) 2.4 Method 8015
Distance To SurfaceWater:	(pts.)	Other
RANKING SCORE (TOTAL POIN	TS):	
I HEREBY CERTIFY THAT THE INFO KNOWLEGE AND BELIEF	DRMATION ABOVI	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 1/13/99 SIGNATURE Bully S.	haw	NAME Buddy D. Shaw AND TITLE Environmental Coordinator
AFTER REVIEW OF THE SOIL REMI		NATION, ON-SITE REMEDIATION IS APPROVED IN T CLOSURE ORDINANCE.
APPROVED: YES NO	(REASON)	
•		: 3-3/-99

BLAGG ENGINEERING, INC. LOCATION NO: BS531 CLIENT: _AMOCO P.O. BOX 87, BLOOMFIELD, NM 87413 C.O.C. ND: 6543 (505) 632-1199 FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION DATE STARTED: 1.1199 LOCATION: NAME: J'CARRILO COMPACT 148 WELL #: 15 PITS: BLOW DATE FINISHED: 1.13 99 QUAD/UNIT: N SEC: 15 TWP: 25 N RNG: 5W PM: NM CNTY: BA ST: NM ENVIRONMENTAL REP QTR/FOOTAGE: SE/A SW/A CONTRACTOR: P+S SOIL REMEDIATION: APPROX. CUBIC YARDAGE: 90 REMEDIATION SYSTEM: LANDFARM LIFT DEPTH (ft): 1.2 RANGE LAND USE: FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: >/00. NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: > 1000. NMOCD RANKING SCORE: _____ NMOCD TPH CLOSURE STD: 5000 PPM LT. YELLOW CRANGE . LT. BROWN SAND NON COHESIVE, SLIGHTLY MOIST, LOOSE. NO APPARENT STAINING, OR HO ODOR DETECTED SAMPLING DEPTHS RANGE FROM 6" TO 18" TOOK AS PT COMPOSITE SAMPLE FOR LAB ANALYSIS CLOSED FIELD 418.1 CALCULATIONS LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm SAMP. TIME SAMPLE 1.D. SKETCH/SAMPLE LOCATIONS LANDFARM N LAB SAMPLES AREA 7 OVM RESULTS 3 RESULTS ANALYSIS SAMPLE ID FIELD HEADSPACE PID (ppm) SAMPLE 2.6 LF. 1 180157 1020 LF.1 0.0

TRAVEL NOTES: CALLOUT: NOTES: 1, 1, 99

SCALE

PIA MARKER



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Olionati	Blagg / AMOCO	Project #:	04034-10
Client:	LF - 1	Date Reported:	01-13-99
Sample ID:	E493	Date Sampled:	01-11-99
Laboratory Number:	6543	Date Received:	01-12-99
Chain of Custody No:	Soil	Date Extracted:	01-12-99
Sample Matrix:	Cool	Date Analyzed:	01-13-99
Preservative: Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.3	0.2
Diesel Range (C10 - C28)	0.3	0.1
Total Petroleum Hydrocarbons	2.6	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Jicarilla Contract 148 - 15 Landfarm. 5 Pt. Composite.

Decen L. Oferen

Stacy W Sendler

CHAIN OF CUSTODY RECORD

\	五	Cool - Ice/Blue Ice	32-0615	(505) 632-0615				
-	1	Received Intact	lighway 64	5796 U.S. Highway 64				
z	~					1459-1469	-140	Kay cocs
	ceipt	Sample Receipt	ICH IDC	EOVIDOTECH I		7 12	1	5
			Received by: (Signature)	Rec			ture)	Relinquished by: (Signature)
			Received by: (Signature)				lure)	Relinquished by: (Signature)
1./2.99 0750	2.99	/./2·	Received by: (Signature)	Date Time Rec			ure)	Relinquished by: (Signature)
		cool						
-A	35.00	SAMIRE PRESENTE						
				SOIL	E493	1020	1.1199	(F-1
a)	32	SPI WHITSITE			•		Cala	Identification
				Sample Matrix	Lab Number	Sample	Sample	Sample No./
				-10	01-75040			P
	arts.	Remarks			Client No.			Sampler:
			A	SICARILLA CONTRACT 148-15	SICAPILLA		000	BLAGG / AMOCO
		ETERS	ANALYSIS / PARAMETERS	ANDFARM	Project Location LANDFARM		į	Client / Project Name