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

NATURAL RESOURCE DEPT AND OIL & GAS ADMINISTRATION

DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPOR

	(0)	CON DO
Operator: AMOCO PRODUCTION COMPANY	Telephone	(Bish) 386-9200
Address: 200 Amoco Court, Farmington,	NM 87401	1
Facility or Well Name: JICARILLA CONT	2PET # 155-12	
Location: Unit or Qtr/Qtr Sec K Sec 37 T	ZEN RSW County RIO F	PRRIBA
Pit Type: Separator Dehydrator Other	BLOW	
Land Type: RR~らモ		
(Attach diagram) Reference: wellhead X Footage from reference: 7	30 / , width 30 / , other East of West	NorthX
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) O
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)
	RANKING SCORE (TOTAL	POINTS): ZO

87476/ BWW FIT

	1 /
Date Remediation Started:	
Pemediation Method: Excavation	7. ~
eck all appropriate ions) Landfarmed	Insitu Bioremediation
Other	
Remediation Location: Onsite	✓ Offsite
General Description of Remedial Acti	on: Excavation
Groundwater Encountered:	No Yes Depth
Closure Sampling:	see Attached Documents
attach sample results and diagram of sample Sample depth	11/20/96
locations and depths) Sample date	/// Zo/96 /4' Sample time
Sample Results	
Soil: Benzer	e (ppm) Water: Benzene (ppb)
Total I	Toluene (ppb)
Field	Headspace (ppm) 0.0 Ethylbenzene (ppb)
ТРН	(ppm) 40 Total Xylenes (ppb)
Groundwater Sample: Yes	No X (If yes, attach sample results)
I HEREBY CERTIFY THAT THE INF KNOWLEGE AND BELIEF	FORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 11/20/96	PRINTED NAME Buddy D. Shaw
SIGNATURE BURLY D. SI	AND TITLEEnvironmental Coordinator
	URE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE E PIT CLOSURE ORDINANCE.
APPROVED: YES X NO	(REASON)
SIGNED: Luc Mam	DATE: 1 - 23-97

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO:
LOCATION: NAME: TICARILLA CONTRET WELL #. 153 12 TM. CNTY: RA ST: NM.	DATE STARTED: 11/20/96 DATE FINISHED:
EXCAVATION APPROX. 30 FT. x 30 FT. x 13 FT. DEEP. CUBIC DISPOSAL FACILITY: 0N-SITE REMEDIATION METHOL LAND USE: RANGE LEASE: TICH. CONTR.#(55 FOR	MATION: OK/PC
DEPTH TO GROUNDWATER: 100 NEAREST WATER SOURCE: 7000 NEAREST SURFACE NMOCD RANKING SCORE: 100 NMOCD TPH CLOSURE STD: 1000 PPM SOIL AND EXCAVATION DESCRIPTION:	CHECK DNE: PIT ABANDONED STEEL TANK INSTALLED FIBERGLASS TANK INSTALLED
SAND TO ELRY WI CLAY OBSERVED TOWARD UPPER YS OF EXPRESSION OR YELL ORINGE TO OLIVE GRAY SAND NO SLIGHTLY MOIST, CLAY SLIGHTLY PLASTIC, STIFF TO VERY S NO APPRIEST HE ODOR IN ANY OF THE DWA SAMPLES IF ANY CONTOMINATION REMAINS WIN SIDEWALLS OR PIT SW OF PIT AREA (>10' IN WIGHT), NO INDICATION OF ANY FRUM PIT INTO WASH. FIELD 418.1 CALCULATIONS CLUSED TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML. FREON DI	TIFF, SLIGHTLY MOIST LANGEL TO DISCENT SMALL WASH SPILLS OR LEACHING
SCALE O FT PIT PERIMETER N SAMPLE FIELD HEADSPACE A	PROFILE A'
30 PID (ppm) 1 @ /0'	30'
TRAVEL NOTES: CALLOUT: 11/15/96 LAB SAMPLES SAMPLE ANALYSIS TIME DO NSITE: 11/20/96	

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

AMOCO

Sample ID: Project Location: 5 @ 14'

Jicarilla Contract 155 - 12

Laboratory Number:

TPH-1858

Project #:

Date Analyzed:

11-20-96 11-20-96

Date Reported:

Soil Sample Matrix:

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	40	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
4640	4400	5.31

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow Pit - BJ476

Millson Jely Analyst

Review Property Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

AMOCO

Sample ID:

5 @ 14'

Jicarilla Contract 155 – 12

Project Location: Laboratory Number:

TPH-1858

Project #:

Date Analyzed:
Date Reported:

11-20-96 11-20-96

Sample Matrix: Soil

Sample Weight: Volume Freon:

Dilution Factor: TPH Reading: 5.00 grams 20.00 mL

40.0 mg/kg

20.0 mg/kg

40 mg/kg

20 mg/kg

1 (unitless) 10 mg/kg

TPH Result:
Reported TPH Result:
Actual Detection Limit:
Reported Detection Limit:

QA/QC:

Original TPH mg/kg	
4640	

Duplicate TPH mg/kg % Diff.

4400

5.31

Comments: Blow Pit - BJ476

B7476

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

	Tul-home (505) 326-9200
Operator:	Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington,	NM 87401
Facility or Well Name: TICARILLA CONTRE	DCT 155 - 12
Location: Unit or Qtr/Qtr Sec K Sec 32 T2	EN R SW County RIO ARRIVA
	.
	, ,
Date Remediation Started: 11 20 96	Date Completed:
Remediation Method: Landfarmed	Approx. cubic yards 300
Composted	
Other	
	Final Closure Sampling:
pth To Groundwater: (pts.) / O	Sampling Date:
Distance to an Ephemeral Stream (pts.) 10	
Distance to Nearest Lake, Playa, or Watering Pond (pts.)	Sample Results:
01 11 11 11 11 11 11 11 11 11 11 11 11 1	Field Headspace (ppm) 14.6
Weinicad Trosposition	TPH (ppm) <u>24.0</u> Method <u>8015</u>
Distance To SurfaceWater: (pts.)	Other
RANKING SCORE (TOTAL POINTS):	
I HEREBY CERTIFY THAT THE INFORMATION ABOV KNOWLEGE AND BELIEF	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 8/25/97 PRINTED	NAME Buddy D. Shaw
DATE $\frac{8/25/97}{2000}$ PRINTED	AND TITLE Environmental Coordinator
SIGNATURE SIGNATURE	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMACCORDANCE TO THE JICARILLA APACHE TRIBE P	MATION, ON-SITE REMEDIATION IS APPROVED IN PIT CLOSURE ORDINANCE.
APPROVED: YES X NO (REASON)	
MATIKOVED. 125 ZZ	
SIGNED: LOUC. Ma DAT	E: 9-2-97

CLIENT: CONOCO

CALLOUT: MA

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413

LOCATION NO: 87476

(505) 632-1199	C.D.C. ND: <u>3386</u>
FIELD REPORT: LANDFARM,	/COMPOST PILE CLOSURE	E VERIFICATION
OF Allote NAME: TICAZILLA CONTR 155 WEL	L#: 12 PITS: BLOW	DATE STARTED: 819197 DATE FINISHED:
QUAD/UNIT: K SEC: 3 2 TWP: 260 RNG OTF/FUDIAGE: NELY 5614 CONT		ENVIRONMENTAL SPECIALIST:
SOIL REMEDIATION:		
REMEDIATION SYSTEM: LANDFRAM	APPROX. CUBIC Y	YARDAGE: 300
LAND USE: ZANGE	LIFT DEPTH (ft):	12 -18"
FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: <!-- VIO. NEAREST WATE</a-->	r source: >1000 / Nearest surfac	CE WATER: _ > /000 /
NHOCI PANKING SCOPE: 10 NMOCD TPH CLO		
PLASTIC, FIRM TO STI SAMPLE PTS. LANDFAR S PT. COMPOSITE COU CLOSED	FF SUCHT DISCUSPRATION OF LOCATED & SAME VICINITY LECTED FOR LAB ANALYSIS. IELD 418.1 CALCULATIONS WEIGHT (g) ML. FREON DILUTION READING	AS BLOW PIT.
SKETCH/SAMPLE LOCATIONS	4 N	
OESICH TION DESICH TON		LAB SAMPLES
1	SAMPLE FIELD HEADSPACE SAMPLE ID ID	-017
5)\	LF-1 14.6 LF-	1 (8015) 1040 24.0
90 3 En		
3		
To WHE	SCALE AD ASO, NOW) 0 FT	
TRAVEL NOTES: CALLOUT: MA	ONSITE: 8/19/97	



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / Amoco	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	08-20-97
Laboratory Number:	B885	Date Sampled:	08-19-97
Chain of Custody No:	5386	Date Received:	08-19-97
Sample Matrix:	Soil	Date Extracted:	08-19-97
Preservative:	Cool	Date Analyzed:	08-20-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter Gasoline Range (C5 - C10) Diesel Range (C10 - C28)	Concentration (mg/Kg)	
Gasoline Range (C5 - C10)	2.0	0.2
Diesel Range (C10 - C28)	22.0	0.1
Total Petroleum Hydrocarbons	24.0	0.2

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, July 1992.

Comments:

Jicarilla Contract 155-12 Landfarm. 5 pt. Composite.

Alexand. Referen

Review

CHAIN OF CLISTODY RECORD

Reinculatived by (Signature) Received by (Signature)	LF-1 8/19/97 1040 BS85 SOIL 1 1 1 S PT. COMPOSITE	Sample No./ Sample Sample Lab Number Sample Sample PESEDY COC	of ainers	ധേഷ	Client/Project Name Project Location LANDFARM
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