

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

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

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (WFS) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Jicarilla D-15 Drip

Location: Unit: C Sec. 30 T. 24 N R. 3 W County Rio Arriba

Pit Type: Separator Dehydrator Other Drip

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20' width 20' depth 3'

(Attach diagram) Reference: wellhead other Drip River

Footage from reference: Drip River 15' from center of pit

Direction from reference: 45° RAD Degrees East North X
RAD of South X
West

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance to Surface Water:

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) 0

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 0

Distance to Nearest Lake, Playa, or Watering Pond:

(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started:

11/24/98

Date Completed:

12/15/98 RAD
11/24/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

71 yds

(Check all appropriate sections)

Landfarmed

Amount Landfarmed (cubic yds):

50 cu. yds.
21 cu. yds over burden

Other

~~Landfarm~~50 cu. yds.

Remediation Location:

Onsite

Offsite

Hauled to THT Commercial Landfarm

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated from all 4 side walls to ~
below 100 ppm headspace reading.
Bottom at 4' depth Rock
Excavated pit 20' x 24' x 4'

Ground Water Encountered:

No

X

Yes

Depth

Final Pit Closure Sampling:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location

North wall, East wall, South wall, West wall
Bottom 3 point composite

Sample depth

4'

Sample date

11/24/98

Sample time

1200

Sample Results

Soil: Benzene (ppm)

ND

Water: Benzene (ppb)

Total BTEX (ppm)

22.0

Toluene (ppb)

Field headspace (ppm)

1411 ppm

Ethylbenzene (ppb)

TPH 26.0 ppm

Method

TPH-8015

Total Xylenes (ppb)

Ground Water Sample:

Yes

No

X

(If yes, attach sample results.)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE

11/24/98

PRINTED NAME

Gary Cook

SIGNATURE

Gary Cook

AND TITLE

Environmental Technician III

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES

X

NO

(REASON):

SIGNED:

K. C. Maud

DATE:

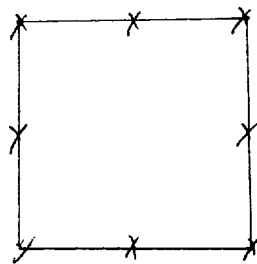
12-15-98

Jicavilla 0-15 Drip
WFS
Sec. 30, 26N, 3W, C

11/24/98

Site diagram:

↑
N



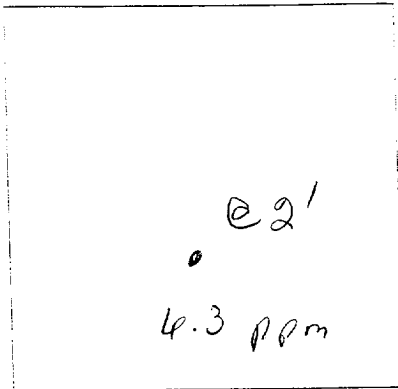
● Drip River

not to scale

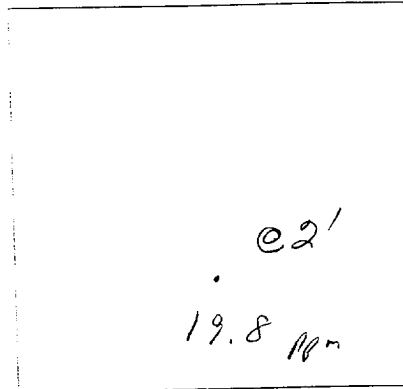
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WFS
Sec. 30, 26N, 3W, C

11/24/98

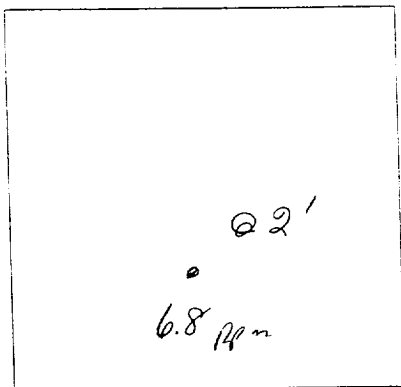
North Wall



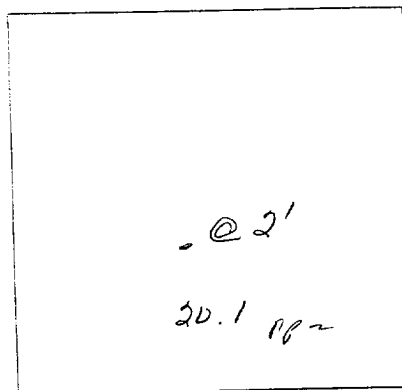
South Wall



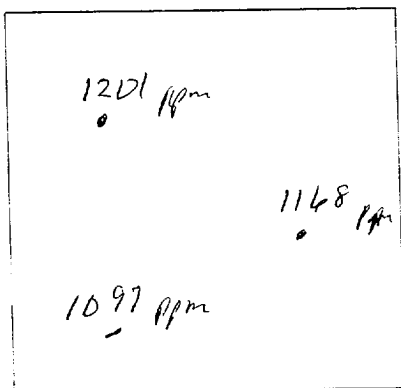
East Wall



West Wall



Bottom



@ 4'

3 point. Comp. 1411 ppm
head space reading

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 08-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9811078

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Dec-98

Client: PNM - Public Service Company of NM
Work Order: 9811078
Lab ID: 9811078-01A **Matrix:** SOIL
Project: Jicarilla Pit Remediation

Client Sample Info: Jicarilla D-15 Drip
Client Sample ID: 9811241200; Bottom @ 4 ft
Collection Date: 11/24/98 12:00:00 PM
COC Record: 7197

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	26	25		mg/Kg	1	Analyst: HR 12/7/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	200		µg/Kg	200	11/25/98
Toluene	5300	400		µg/Kg	200	11/25/98
Ethylbenzene	1600	200		µg/Kg	200	11/25/98
m,p-Xylene	12000	400		µg/Kg	200	11/25/98
o-Xylene	3100	200		µg/Kg	200	11/25/98

22.0 ppm

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Dec-98

Client: PNM - Public Service Company of NM
Work Order: 9811078
Lab ID: 9811078-02A **Matrix:** SOIL
Project: Jicarilla Pit Remediation

Client Sample Info: Jicarilla D-15 Drip
Client Sample ID: 9811241205; Walls @ 2 ft
Collection Date: 11/24/98 12:05:00 PM
COC Record: 7197

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: HR 12/7/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

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S - Spike Recovery outside accepted recovery limits

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