

District I
P.O. Box 1930, Hobbs, NM

District II
P.O. Box 1930, Hobbs, NM

District III
P.O. Box 1930, Hobbs, NM

District IV
P.O. Box 1930, Hobbs, NM

1000 Rio Brazos Rd, Aztec, NM 87410

APR 08 1997

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: BONNEVILLE FUELS CORPORATION Telephone: 303-863-1555

Address: 1660 Lincoln Street, Suite 1800, Denver, CO 80264

Facility Or: SCOTT "E" FEDERAL #15

Well Name

Location: Unit or Qtr/Qtr Sec SW N Sec 36 T 27 R 11 County SAN JUAN

Pit Type: Separator Dehydrator other BLOWDOWN

Land Type: BLM xx, State , Fee , Other

Pit Location: Pit dimensions: length 27, width 22, depth 14

(Attach diagram)

Reference: wellhead , other See Attached

Footage from reference:

Direction from reference: Degrees East North
of
 West South

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
1000 feet from all other water sources)

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DIST. 3

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 1000 feet (10 points)

Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 9/15/94 Date Completed: 9/15/94

Remediation Method: Excavation XX Approx. cubic yards 308
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite XX Offsite _____
(ie. landfarmed onsite, name and location of offsite facility) _____

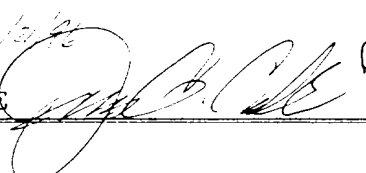
General Description Of Remedial Action: Contamination was remediated by dilution and aeration. Remediated soil was backfilled into remediated pit. A below grade fiberglass tank was emplaced in the same location as old earthen pit as per NMOC guidelines. Pit was sampled approximately 1-1/2 years after initial remediation to supply BTEX values for bottom of pit and backfill composite. Sampling was done with a truck mounted Geoprobe which auger drilled to just below the old TD of the remediated pit. Several samples were taken off the auger while drilling to TD and were taken as representative of the backfill. The TD sample was either taken off the raised auger or with a split spoon.

Ground Water Encountered: No XX Yes _____ Depth _____

Final Pit: Sample location See Attached
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 14'; 15'
Sample date 9/15/94; 5-22-96 Sample time 1:30:00; 8:40
Sample Results
Benzene (ppm) .53
Total BTEX (ppm) 37.7
Field headspace (ppm) Composite and TD 7.5' (PID, 600 units)
TPH @ 14' = 767; Backfill = 654,752,869,814,738,584, 776, 824,885,793
Ground Water Sample: Yes _____ No XX (If yes, attach sample results)

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

DATE 10/1/94

SIGNATURE 

PRINTED NAME
AND TITLE

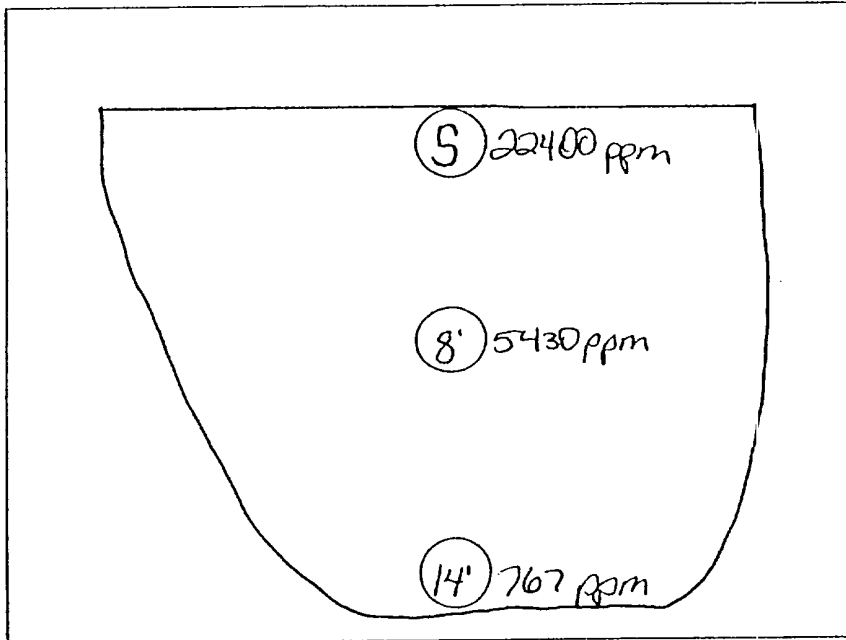
James O. Cable
Vice President Operations

FINAL PIT CLOSURE SAMPLING REPORT

Operator: BONNEVILLE FUELS CORPORATION Telephone: (505) 632-9876
 Address: 310 NORTH FIRST STREET, BLOOMFIELD, NM 87413
 Facility Or: SCOTT "E" FEDERAL #15
 Well Name _____
 Location: Unit or Qtr/Qtr Sec SW Sec 36 T 27 R 11 County SAN JUAN

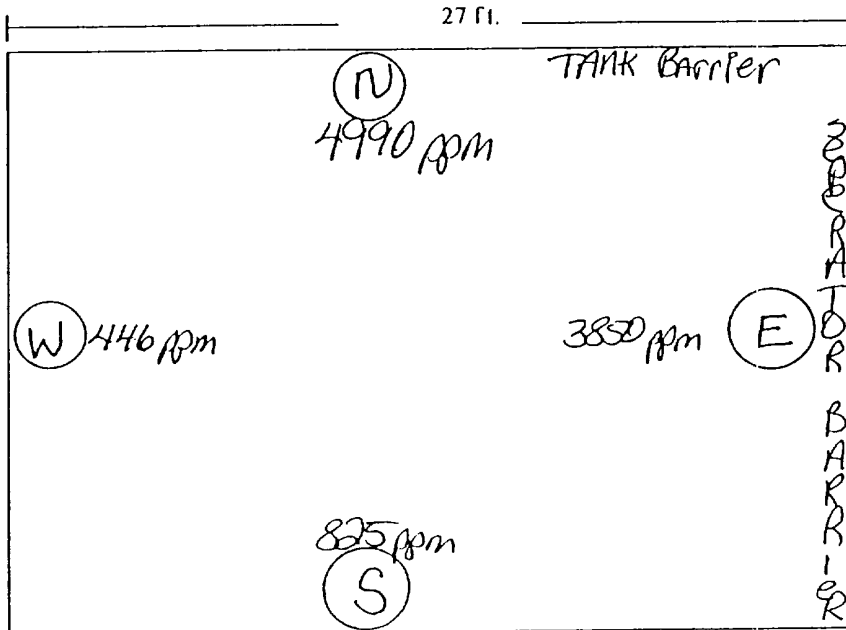
Depth	TPH
Surface	22400 ppm
2 ft.	ppm
4 ft.	16900 ppm
6 ft.	ppm
8 ft.	5430 ppm
10 ft.	ppm
12 ft.	1620 ppm
14 ft.	767 ppm
16 ft.	ppm
18 ft.	ppm
20 ft.	ppm
ft.	ppm
ft.	ppm
ft.	ppm

SIDE VIEW



TOP VIEW

North Side	4990 ppm
East Side	3850 ppm
South Side	825 ppm
West Side	446 ppm



DATE : 05-22-96

CLIENT : BONNEVILLE FUELS

SITE LOCATION : SCOTT "E" FEDERAL . # 15
Unit N Sec. 36, T27N, R11W, NMPM
San Juan County

CONTRACTOR : ON SITE EQUIPMENT : GEOPROBE (2" AUGER w/ Split Spoon)

ASSESSMENT SUMMARY

CO. # : BON 1001

LOGGER : CG

JOB # : 4-1286

PAGE # : 1

START : 07:50

FINISH : 08:40

NOTES:

Two pit assessed: Separator/Blowdown

Separator Composite: 7'-15' (PID: 15.0 Units)

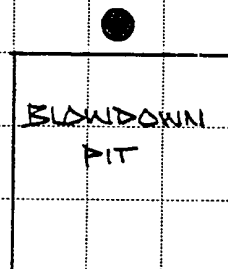
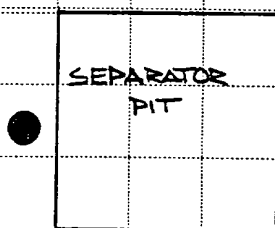
Separator Grab: 15' (PID: 7.0 Units)

TD: 15

Blowdown Composite: 7.5' (PID: 600 Units)

TD: 7.5'

LAB: BTEX (EPA 8020)



OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *Cindy Gray*
Company: *On Site Technologies, Ltd.*
Address: *612 E. Murray Drive*
City, State: *Farmington, NM 87401*

Date: *24-May-96*
COC No.: *4114*
Sample No. *10984*
Job No. *4-1286*

Project Name: *Bonneville Fuels Federal Lease*
Project Location: *Scott E Federal 15; East Pit, TD 7.5'*
Sampled by: *CG* Date: *22-May-96* Time: *9:20*
Analyzed by: *DC* Date: *23-May-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Component</i>	<i>Result</i>	<i>Units of Measure</i>	<i>Detection Limit</i>	<i>Units of Measure</i>
<i>Benzene</i>	<i>529.3</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>2719.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>4956.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>19163.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>10377.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>37747.3</i>	<i>ug/kg</i>		

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *DCG*
Date: *5/24/96*

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OFF: (505) 325-8786

LAB: (505) 325-5667

QUALITY ASSURANCE REPORT
for EPA Method 8020

Date Analyzed: 24-May-96

Internal QC No.: 0444-STD

Surrogate QC No.: 0445-STD

Reference Standard QC No.: 0355-STD

Method Blank

Analyte	Result	Units of Measure
Average Amount of All Analytes In Blank	<0.2	ppb

Calibration Check

Analyte	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	19.2	4	15%
Toluene	ppb	20.0	19.4	3	15%
Ethylbenzene	ppb	20.0	19.5	3	15%
m,p-Xylene	ppb	40.0	38.4	4	15%
o-Xylene	ppb	20.0	19.2	4	15%

Matrix Spike

Analyte	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	79	89	(39-150)	8	20%
Toluene	69	74	(46-148)	4	20%
Ethylbenzene	77	81	(32-160)	3	20%
m,p-Xylene	73	77	(35-145)	3	20%
o-Xylene	73	76	(35-145)	3	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovery	(70-130)	
11001-4117	109	

S1: Fluorobenzene

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Environmental Remediation Industries, Inc. (ENRI) is an Equal Opportunity Employer.

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TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 5.22.96 Page of

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client