

State of New Mexico
Energy, Minerals and Natural Resources Department

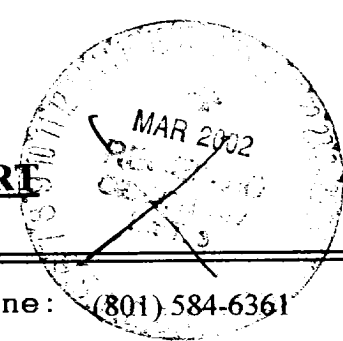
OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

LF TPH
above standards

new 60
OK



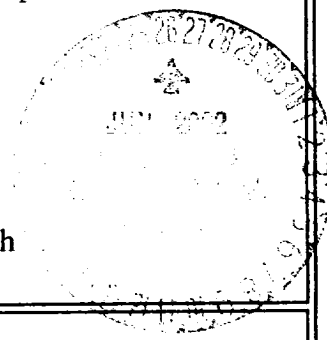
Operator: Burlington Resources (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: LA JARA CANYON #2 (85863)
Location: Unit or Qtr/Qtr ~~SW~~ SE Sec 10 T 29N R 5W County Rio Arriba
PitType Dehy
LandType: Forest

Pit Location: Pit dimensions: length 16 ft., width 14 ft., depth 13 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 61 ft.

Direction from reference: 30 Degrees West of 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) 20

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)
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) 10

Ranking Score (TOTAL POINTS): 30

Date Remediation Started:

Date Completed:

Remediation Method: Excavation ☒

Approx. Cubic Yard 108

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation ☐

Other

Excavate hydrocarbon impacted soil and landfarm on-site.

Remediation Location:

Onsite ☒ Offsite Spread soil in on-site landfarm and berm.

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

General Description Of Remedial Action:

Excavate hydrocarbon impacted soil and place in on-site landfarm. Sample excavation by collecting 5 pt composite from floor and sidewalls. Return landfarmed soil to excavation. Probe to verify vertical extent defined.

Ground Water Encountered: 0

Final Pit:

Sample location LA JARA #2-VE-SB-01(22-23)

Closure Sampling:

Five point composite collected from walls and floor.

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

Sample depth 23'

Sample date 7/28/00

Sample time 15:32

Sample Result

Benzene (ppm)

Total BTEX (ppm)

Field Headspace (ppm)

0

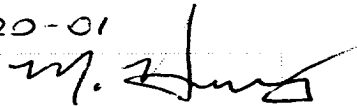
TPH (ppm) ND

Ground Water Sample: 0

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

DATE 12-20-01

SIGNATURE



PRINTED NAME
AND TITLE

Mark Harvey for Williams Field Services
Proj. Coord.

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

DEHY PIT REMEDIATION REPORT

Well Name: LA JARA #2 Date: 4-7-94
Location: Unit or Qtr/Qtr Sec SW/SE Sec 10 T 29N R 5W County Rio Arriba

Pit Location: Pit Dimensions: length 16 width 14 depth 13
Reference: wellhead ☒, other _____
Distance from reference: 61 ft
Direction from reference: 30° degrees East North
of
X West South X

Remediation Start Date: 4-7-94 Completion Date: 4-7-94
Remediation Method: Excavation _____ Approx CY _____
Landfarmed ☒ Approx CY 110-120 cpl.
Bioremediation _____ Materials _____
Other _____

Remediation Location: On-site ☒ Off-site _____

General Description of Remediation Activity:
Dug Pit to 13' Pit had to be mixed with Dry
Out to dry it out.
Installed new fence around open Pit.
Spread Material on location approx 8 to 12 Thick Build
Burns around back Farm.

Ground Water Encountered: No ☒ Yes _____ Depth _____
Ground Water Sampled: No _____ Yes _____ Analysis _____

Sampling: Sample Location 5 point Composite

Sample Time 14:30 Sampler's Name Mike Hare

Sample Headspace (ppm) _____

TPH or BTEX Results (if available) _____

PREPARED BY: Mike Hare SIGNED: Mike Hare

Q W A L L A B O R A T O R I E S , I N C .

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT:

REFERENCE #: 0008011

SENT WILLIAMS GAS PIPELINE
TO: PO BOX 215
BLOOMFIELD, NM 87413
JIM STRUHS
PROJECT: WFS/NM PITS

DATE REPORTED: 08/15/00
DATE COLLECTED: 07/28/00
DATE RECEIVED: 08/01/00

Reference Fraction:0008011-02A
Sample ID: LAJARA#2-VE-SB-01(22-23)
Sample Date Collected: 07/28/0015:32:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	ND	MG/KG	2.0	08/09/00	BEM

ND=NONE DETECTED
PQL=PRACTICAL QUANTITAION LIMIT
SU=STANDARD UNITS
B=DETECTED IN METHOD BLANK

APPROVED BY:



TERRY KOESTER
LABORATORY DIRECTOR

Q W A L L A B O R A T O R I E S, I N C.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

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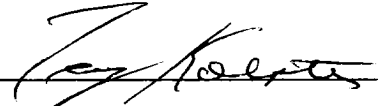
Reference Fraction:0008011-02B
Sample ID: LAJARA#2-VESB-01(22-23)
Sample Date Collected: 07/28/0015:32:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
BTEX	OA1/8021B			3.0		
BENZENE		ND	MG/KG	0.050	08/07/00	MB
TOLUENE		ND	MG/KG	0.050	08/07/00	MB
ETHYLBENZENE		ND	MG/KG	0.050	08/07/00	MB
TOTAL XYLENES		ND	MG/KG	0.050	08/07/00	MB
BFB (SURROGATE)		96	125	75		

ND=NONE DETECTED
PQL=PRACTICAL QUANTITAION LIMIT
SU=STANDARD UNITS
B=DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR

ATAS

875 Fee Fee Road • Maryland Heights, MO 63043 • (314) 434-4570 - FAX (314) 434-0080

CLIENT: BURLINGTON ENVIRONMENTAL, INC.
210 WEST SAND BANK ROAD P.O. BOX 330
COLUMBIA, IL 62236-0330
ATTN: KATHY BLAINE

REPORT: 942905BX(194)

DATE : 04-22-94

SAMPLE MATRIX : SOIL
ATAS # : 9429.05
DATE SUBMITTED: 04-09-94
PROJECT : #11545 - WILLIAMS FIELD SERVICE
SAMPLE ID : 5 GOLAJARA#2S.047-1-C LIMITS OF EXCAVATION

PARAMETER	REPORTING LIMIT	UNIT	RESULTS	DATE ANALYZED	METHOD REFERENCE
<u>GAS CHROMATOGRAPHY</u>					
BENZENE	125	ug/Kg	ND	04-17-94	SW 8020
TOLUENE	125	ug/Kg	5600	04-17-94	SW 8020
ETHYLBENZENE	125	ug/Kg	2420	04-17-94	SW 8020
XYLENES	1250	ug/Kg	61700	04-18-94	SW 8020
TOTAL BTEX		ug/Kg	69720		

QA/QC SURROGATE RECOVERY

BROMOFLUOROBENZENE (65-135%)

93 %

* = OUTSIDE QC LIMIT ON BOTH ORIGINAL AND RERUN
ND = NOT DETECTED ABOVE REPORTING LIMIT
ug/Kg = PARTS PER BILLION (PPB)

ATAS

875 Fee Fee Road • Maryland Heights, MO 63043 • (314) 434-4570 • FAX (314) 434-

CLIENT: BURLINGTON ENVIRONMENTAL, INC.
210 WEST SAND BANK ROAD P.O. BOX 330
COLUMBIA, IL 62236-0330
ATTN: KATHY BLAINE

REPORT: 9429TPH(194)

DATE : 04-22-94

SAMPLE MATRIX : SOIL
ATAS EPISODE : #9429
DATE SUBMITTED: 04-09-94
DATE ANALYZED : 04-15-94
PROJECT : #11545 - WILLIAMS FIELD SERVICE
METHOD REF. : 418.1 (MISSOURI MODIFIED)

RESULTS REPORTED IN mg/Kg OR PARTS PER MILLION (PPM)

TOTAL PETROLEUM HYDROCARBONS

CLIENT ID	ATAS ID	REPORTING LIMIT	RESUL
1 GOSCHALK52#5NE046-1-C LIMITS OF EXCAVATION	9429.01	5	128
2 GOSCHALK52#5NE046-1-D DUPLICATE	9429.02	5	9
3 GOSCHALK52#5NE046-2-C MIXED MATERIAL	9429.03	50	1280
4 GOSCHALK52#1NE046-2-C LAND FARMED MATERIAL	9429.04	50	633
5 GOLAJARA#28.047-1-C LIMITS OF EXCAVATION	9429.05	50	2103
6 GOLAJARA#28.047-1-D DUPLICATE	9429.06	100	3861
7 GOLAJARA#28.047-2-C MIXED MATERIAL (TREATED LF)	9429.07	50	1178

- NOT DETECTED ABOVE REPORTING LIMIT

ATAS

875 Fee Fee Road • Maryland Heights, MO 63043 • (314) 434-4570 • FAX (314) 434-0080

CLIENT: BURLINGTON ENVIRONMENTAL, INC.
210 WEST SAND BANK ROAD P.O. BOX 330
COLUMBIA, IL 62236-0330
ATTN: KATHY BLAINE

REPORT: 968902BX(197)
DATE : 05-23-94
REVISED
DATE : 05-25-94

SAMPLE MATRIX : SOIL
ATAS # : 9689.02
DATE SUBMITTED: 05-11-94
PROJECT : #11545 - WILLIAMS FIELD SERVICE
SAMPLE ID : 2 GOLAJARA #250474C LF

PARAMETER	REPORTING LIMIT	UNIT	RESULTS	DATE ANALYZED	METHOD REFERENCE
<u>GAS CHROMATOGRAPHY</u>					
BENZENE	125	ug/Kg	ND	05-18-94	SW 8020
TOLUENE	125	ug/Kg	ND	05-18-94	SW 8020
ETHYLBENZENE	125	ug/Kg	278	05-18-94	SW 8020
XYLENES	1250	ug/Kg	19900	05-18-94	SW 8020
TOTAL BTEX		ug/Kg	20178		

QA/QC SURROGATE RECOVERY

BROMOFLUOROBENZENE (65-135%) 106 %

NOTE: THE ABOVE PROCEDURE IS A SINGLE COLUMN ANALYSIS WITH A ROOM TEMPERATURE PURGE.

* = OUTSIDE QC LIMIT ON BOTH ORIGINAL AND RERUN
ND = NOT DETECTED ABOVE REPORTING LIMIT
ug/Kg = PARTS PER BILLION (PPB)