

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: Schalk Development (Williams Field Services) Telephone: (801) 584-6361

Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900

WellName: SCHALK 52 #3 (86741)

Location: Unit or Qtr/Qtr ~~SW~~NW Sec 24 T 29N R 5W County Rio Arriba

PitType Dehy

LandType: Forest

Pit Location: Pit dimensions: length 13 ft., width 12 ft., depth 4 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 42 ft.

Direction from reference: 320 Degrees East of North

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 23

(check all appropriate sections)

Landfarmed ☐

Insitu Bioremediation ☒

Other

In-situ treatment of impacted soils. Mixed fertilizer to provide nutrients for indigenous microbes.

Remediation Location:

Onsite ☒ Offsite In-situ.

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

General Description Of Remedial Action:

Mixed pit soils with fertilizer and leave in place. Sample by advancing soil boring to 7' after long period of natural degradation.

Ground Water Encountered: 0

Final Pit:

Sample location SCHALK #3-LF-VESB-01(6-7)

Closure Sampling:

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

Sample depth 7'

Sample date 7/29/00

Sample time 13:40

Sample Result

Benzene (ppm)

Total BTEX (ppm)

Field Headspace (ppm)

0

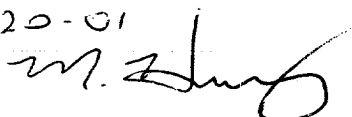
TPH (ppm) 49

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. Coordinato

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

DEHY PIT REMEDIATION REPORT

Well Name: Schallk #3 Date: 4-8-94
Location: Unit or Qtr/Qtr Sec 418' FNL 858' FNL Sec 24 T 29N R 5W County Rio Arriba

Pit Location: Pit Dimensions: length 13 width 12 depth 4.5
Reference: wellhead ☒, other _____
Distance from reference: 207 ft
Direction from reference: 42° degrees East North ☒ of
X West South

Remediation Start Date: 4-8-94 Completion Date: 4-8-94

Remediation Method: Excavation _____ Approx CY _____
Landfarmed _____ Approx CY _____
Bioremediation ☒ Materials Excavated Pit
Other Mix pit dirt out side of pit with
300 gals water & Fert. Placed mix soil back
into pit

Remediation Location: On-site ☒ Off-site _____

General Description of Remediation Activity:
We believe the water that was encountered was
Trapped water coming an old reserve pit.
Gray layer was hit approx 4-4.5 Ft. That was
some what dry.

Ground Water Encountered: No _____ Yes ☒ Depth 3.5 Ft.
Ground Water Sampled: No ☒ Yes _____ Analysis _____

Sampling: Sample Location 5 Point Composite

Sample Time 17:30 Sampler's Name Mike Hane

Sample Headspace (ppm) _____

TPH or BTEX Results (if available) _____

PREPARED BY: Mike Hane SIGNED: Mike Hane



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: 9449TPH(188)

DATE : 04-25-94

SAMPLE MATRIX : SOIL
ATAS EPISODE : #9449
DATE SUBMITTED: 04-12-94
DATE ANALYZED : 04-18-94
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	RESULTS
GO47APCNE048-1-C	9449.01	5	89
GO47APCNE048-1-D	9449.02	5	145
GO47APCNE048-2-C	9449.03	5	196
GO47AMVSW048-1-C	9449.04	50	1111
GOSCHALK#3NW048-2-C	9449.05	1250	11869
GOSCHALK#3NW048-1-C	9449.06	1250	5509

ND = NOT DETECTED ABOVE REPORTING LIMIT

Schalk 52 #3 - Supplemental Notes

Excavation activities resulted in exposing soil which was very moist, however, there was no "free" water to sample and no indication ground water was reached. Subsequent work at the site entailed collecting a soil sample 3' beneath the former excavation floor limit. No ground water was encountered at the 7' depth and soil analyses revealed only trace levels of TPH and BTEX. Since the vertical extent of contamination was defined, no further action is warranted.

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: 07/29/00
DATE RECEIVED: 08/01/00

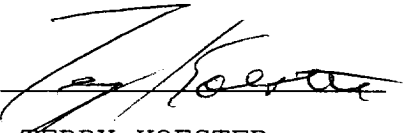
Reference Fraction:0008011-10A
Sample ID: SCHALK#3-VE-SB-01 (6-7)
Sample Date Collected: 07/29/0013:40:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYZED	BY
TPH-DRO	SW846-8015D	49	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.

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 PROJECT: WFS/NM PITS

DATE REPORTED: 08/15/00
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 DATE RECEIVED: 08/01/00


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Sample Date Collected: 07/29/0013:40:00

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		0.482	MG/KG	0.050	08/07/00	MB
ETHYLBENZENE		0.304	MG/KG	0.050	08/07/00	MB
TOTAL XYLENES		2.926	MG/KG	0.050	08/07/00	MB
BFB (SURROGATE)		100	125	75		

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 PQL=PRACTICAL QUANTITATION LIMIT
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 B=DETECTED IN METHOD BLANK

APPROVED BY:


 TERRY KOESTER
 LABORATORY DIRECTOR

