District I
P O Box 1980, Hobbs, NM
District II
P O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

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

JUL 2001
RECEIVED
OIL CON. DIV.

PIT REMEDIATION AND CLOSURE REPORT

OK

Operator: Nerdlihc Company Inc NMOCD Telephone: 505-334-6178

Address: 1000 Rio Brazos Aztec, NM 87410

Facility Or: Bullseye Tank Battery
Well Name

Location: Unit or Qtr/Qtr Sec D Sec 19 T 16N R 9 W County McKinley

Pit Type: Separator ___ Dehydrator ___ Other Production Pit.

Land Type: BLM ___, State ___, Fee X, Other ___

includes contamination under Tank & 2nd Containment.

Pit Location: (Attach diagram)
Pit dimensions: length 60, width 30, depth 6
Reference: wellhead ___, other NA
Footage from reference: Range to Gate
Direction from reference: 45° Degrees X East North ___ of ___ West South X

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)	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: 01-15-01 **Dated Completed:** 06.27.01

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards _____

Landfarmed X Insitu Bioremediation ___

Other _____

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

General Description Of Remedial Action: Excavated 16x16 pit and 20x40 2nd Containment to remove heavy Hydrocarbons and Stained Soil Bed Rock @ 6-8' BNG. Soil Landfarmed on-site and on open ground at Bullseye #7. Removed production equip, tanks, Lines fences and debris for recycling, and disposal.

Ground Water Encountered: No X Yes ___ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location Bottom @ 4 SIDE WALLS and Center

Sample depth 8'

Sample date 03-12-01 Sample time 15:35

Sample Results

Benzene(ppm) 0.0304

Total BTEX(ppm) 1.620

Field headspace(ppm) NA.

TPH 1170

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 BELIEF

DATE 6.27.01

SIGNATURE Harlan M Brown PRINTED NAME AND TITLE HARLAN M. BROWN GEOLOGIST / HYDROGEOLOGIST

CLIENT: APLUS NMOCD Nordline.

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT NO: _____

C.O.C. NO: 8546

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 99042-002

PAGE No: 1 of 2

LOCATION: NAME: Bullseye TK BAT WELL #: PIT: Production

QUAD/UNIT: D SEC: 19 TWP: 16N RNG: 9W BM: CNTY: MCK ST: NM

QTR/FOOTAGE: CONTRACTOR: ENVIROTECH

DATE STARTED: 01-15-01

DATE FINISHED: 06-22-01

ENVIRONMENTAL SPECIALIST: HMB

SOIL REMEDIATION: EXCAVATION APPROX. 18 FT. x 18 FT. x 8 FT. DEEP.

DISPOSAL FACILITY: ON-SITE LANDFARM CUBIC YARDAGE: 100

LAND USE: _____ LEASE: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY NA FEET _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: 7100 NEAREST WATER SOURCE: 71000 NEAREST SURFACE WATER: 71000

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

Visible oil staining in Pit. Oil and Condensate to Bedrock. Stained and strong odor soil Removed to onsite Land farm & to Bullseye #7 well site, (150yds SE).

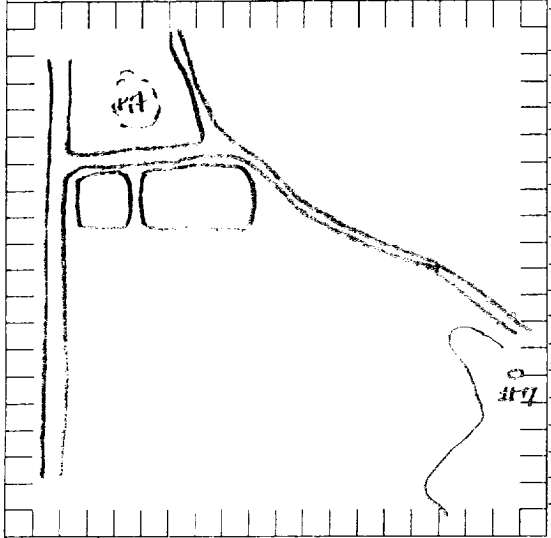
FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

0 FEET

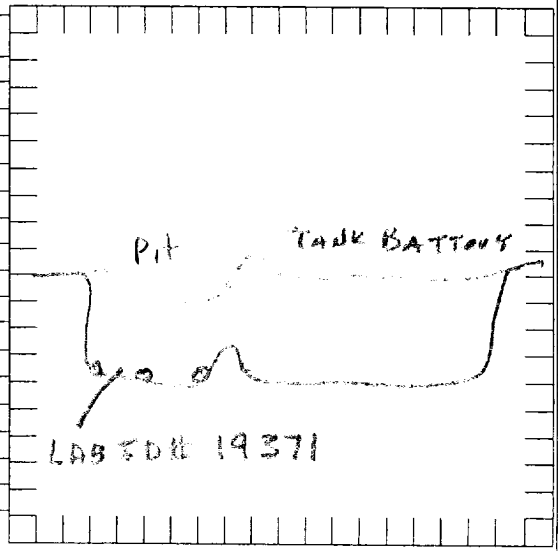
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	
2	
3	
4	
5	
#19371	LAB SAMPLES
8015	2150
8021	2.480

PIT PROFILE



TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	A Plus / NMOCD	Project #:	99042-002
Sample ID:	Bullseye Tank Battery Pit	Date Reported:	03-14-01
Laboratory Number:	19371	Date Sampled:	03-12-01
Chain of Custody No:	8546	Date Received:	03-12-01
Sample Matrix:	Soil	Date Extracted:	03-14-01
Preservative:	Cool	Date Analyzed:	03-14-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**114**	**0.2**
Diesel Range (C10 - C28)	**2,040**	**0.1**
Total Petroleum Hydrocarbons	**2,150**	**0.1**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc Bedrock @ 8'.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	A Plus / NMOCD	Project #:	99042-002
Sample ID:	Bullseye Tank Battery Pit	Date Reported:	03-14-01
Laboratory Number:	19371	Date Sampled:	03-12-01
Chain of Custody:	8546	Date Received:	03-12-01
Sample Matrix:	Soil	Date Analyzed:	03-14-01
Preservative:	Cool	Date Extracted:	03-14-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**173**	**1.8**
Toluene	**802**	**1.7**
Ethylbenzene	**272**	**1.5**
p,m-Xylene	**731**	**2.2**
o-Xylene	**501**	**1.0**
Total BTEX	**2,480**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc Bedrock @ 8'.**

Analyst

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CHAIN OF CUSTODY RECORD

08546

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
A Plus / NMOCD	Hardlihc	
Sampler: HARLAN M. BROWN	Client No. 99042-002	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015 TPH	8021 BTEX					Remarks
Bullseye #5 @ 8' BNG	3.12.01	14:50	19370	Soil	1	✓	✓					Bedrock
Bullseye TANK Battery Pit	3.12.01	15:30	19371	Soil	1	✓	✓					Bedrock @ 8'
Bullseye #3	3.12.01	15:50	19372	Soil	1	✓	✓					Produced water Pit W. side Bedrock 8-12'
Bullseye #16	3.12.01	16:05	19373	Soil	1	✓	✓					Separator Pit @ 10' BNG
Bullseye #12	3.12.01	16:15	19374	Soil	1	✓	✓					Separator Pit @ Bedrock (12')

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	3.12.01	18:45	Glenn L. Spencer	3.12.01	1845
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

CLIENT: APlus NMOCD Nordlinc

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT NO: _____

C.O.C. NO: 8547

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 99042-002

PAGE No: 2 of 2

LOCATION: NAME: Bullseye TANK BATTERY WELL #: PIT: TANK Contain

QUAD/UNIT: D SEC: 19 TWP: 16N RNG: 9W BM: CNTY: MCK ST: NM

QTR/FOOTAGE: CONTRACTOR: ENVIROTECH

DATE STARTED: 01-15-01

DATE FINISHED: 06-27-01

ENVIRONMENTAL SPECIALIST: HMB

SOIL REMEDIATION: EXCAVATION APPROX. 20 FT. x 32 FT. x 8 FT. DEEP.

DISPOSAL FACILITY: On-site Landfarm CUBIC YARDAGE: 200-250

LAND USE: RANGE LEASE: Fee

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY NA FEET _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

Visible oil staining in pit west of TANK BATTERY and in 2nd containment @ TANK BATTERY. Sandy shale soil contaminated w/ visible oil and strong petroleum hydrocarbon odor excavated and thin spread on-site and on Bullseye #7. 5 point composite from Bottom @ 4 side walls and center.

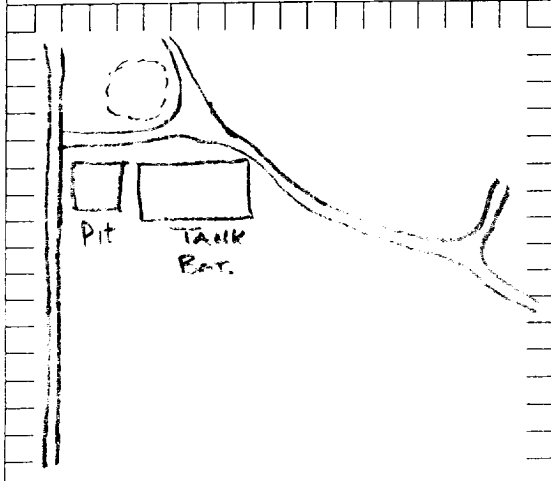
FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

0 FEET

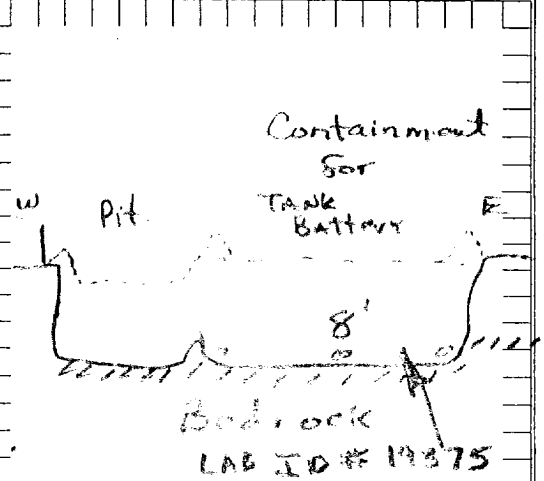
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	
2	
3	
4	
5	
19375	LAB SAMPLES
8015	1170 ppm
8021	1.62.0 ppm

PIT PROFILE



TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	A Plus / NMOCD	Project #:	99042-002
Sample ID:	Bullseye Tank Battery	Date Reported:	03-14-01
Laboratory Number:	19375	Date Sampled:	03-12-01
Chain of Custody No:	8547	Date Received:	03-12-01
Sample Matrix:	Soil	Date Extracted:	03-14-01
Preservative:	Cool	Date Analyzed:	03-14-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**163**	**0.2**
Diesel Range (C10 - C28)	**1,010**	**0.1**
Total Petroleum Hydrocarbons	**1,170**	**0.1**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc @ Tank @ 8' BNG. BR.**
Extra To Contract.

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	A Plus / NMOCD	Project #:	99042-002
Sample ID:	Bullseye Tank Battery	Date Reported:	03-14-01
Laboratory Number:	19375	Date Sampled:	03-12-01
Chain of Custody:	8547	Date Received:	03-12-01
Sample Matrix:	Soil	Date Analyzed:	03-14-01
Preservative:	Cool	Date Extracted:	03-14-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**30.4**	**1.8**
Toluene	**337**	**1.7**
Ethylbenzene	**214**	**1.5**
p,m-Xylene	**636**	**2.2**
o-Xylene	**407**	**1.0**
Total BTEX	**1,620**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**100 %**
	Bromofluorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc @ Tank @ 8' BMG. BR.**
Extra to Contract.

Analyst

Review

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08547

CHAIN OF CUSTODY RECORD

Client / Project Name	Project Location	ANALYSIS / PARAMETERS									Remarks
A Plus / NMOCD	Nerdlihc										
Sampler: HARLAN M. BROWN	Client No. 99042-002	No. of Containers	8015 TPH	8021 BTEX							
Sample No./ Identification	Sample Date / Sample Time / Lab Number / Sample Matrix										
Bullseye TANK Battery	3.12.01 / 15:35 / 19375 / Soil	1	✓	✓							@Tank@ 8' BNG. BR.
Bullseye #1Y TANK LN LEAKS	3.12.01 / 15:44 / 19376 / Soil	1	✓	✓							Bedrock@ 6'

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	3.12.01	18:45	P. Ogburn	3/12/01	1845
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
...gton, New Mexico 87401

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

A Plus NMOCD
Near Aline

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No:
C.O.C #: 9265

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 99042.002
PAGE No: 1 of 2

FACILITY LOCATION: Bullseye Tank Battery "D" Sec 19 T16N R9W
SOURCE LOCATION: Production Pit & 2nd Containment.
SOURCE LOCATION:
SOURCE LOCATION:
FACILITY CLASSIFICATION: PIT TYPE:

DATE STARTED: 01-15-01
DATE FINISHED: 06-27-01

ENVIRONMENTAL SPECIALIST: Hall B.

SOIL REMEDIATION: QUANTITY: 250-300 cy # OF COMP. SAMPLES: 2
DIMENSIONS: 30 x 60 x 8
VISIBLE OBSERVATIONS: Dry Tilled minor Petroleum Stains
SAMPLING PLAN: Collect 2 Samples (one From TANK Bat site-1@ #7

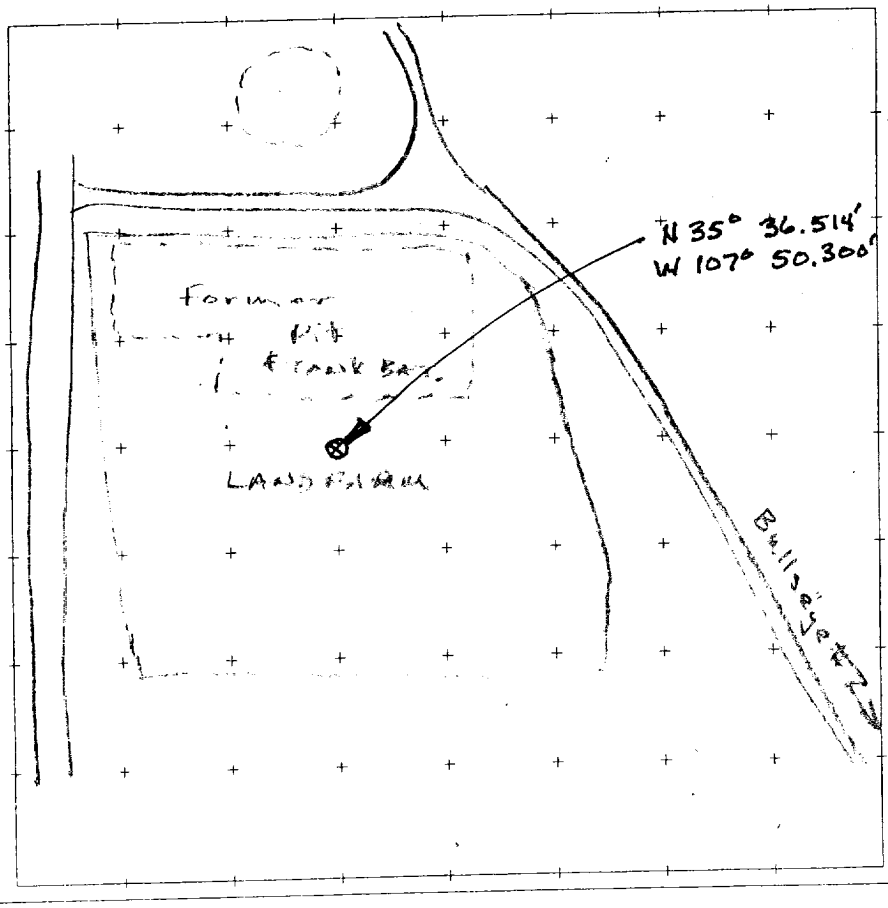
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX NA YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100
NEAREST WATER SOURCE/TYPE: >1000
NEAREST SURFACE WATER: >1000
MAX TPH PER NMOCD: 5000

No. OF 5-POINT COMPOSITE SAMPLES: YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:
2.0123		
	8015	679
	8021	0.044

NORTH

NA.

WELLHEAD

SURFACE FLOW DIR.

ESTIMATED GROUNDWATER FLOW DIR.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	A Plus Well Service	Project #:	99042-002
Sample ID:	Bullseye Tank Bat	Date Reported:	06-27-01
Laboratory Number:	20128	Date Sampled:	06-22-01
Chain of Custody No:	9265	Date Received:	06-22-01
Sample Matrix:	Soil	Date Extracted:	06-25-01
Preservative:	Cool	Date Analyzed:	06-27-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**9.7**	**0.2**
Diesel Range (C10 - C28)	**669**	**0.1**
Total Petroleum Hydrocarbons	**679**	**0.1**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc on-site Landfarm 5 Pt. Composite.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	A Plus Well Service	Project #:	99042-002
Sample ID:	Bullseye Tank Bat	Date Reported:	06-27-01
Laboratory Number:	20128	Date Sampled:	06-22-01
Chain of Custody:	9265	Date Received:	06-22-01
Sample Matrix:	Soil	Date Analyzed:	06-27-01
Preservative:	Cool	Date Extracted:	06-25-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**3.5**
Toluene	**18.3**	**3.3**
Ethylbenzene	**14.4**	**3.0**
p,m-Xylene	**ND**	**4.3**
o-Xylene	**11.7**	**2.1**
Total BTEX	**44.4**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**94 %**
	1,4-difluorobenzene	**94 %**
	Bromochlorobenzene	**94 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc on-site Landfarm 5 Pt. Composite.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

09265

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
A Plus Well Service	NERDLIHC	

Sampler:	Client No.	No. of Containers	8015 TPH	8021 BTEX					Remarks
HARLAN M. BROWN	99042-002								All Samples 5 pt. Comp.

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
Bullseye #15	6.22.01	11:35	20126	Soil	1	✓	✓					On-site Landfarm
Marcellina #1	6.22.01	1145	20127	Soil	1	✓	✓					On-site Landfarm
Bullseye Tank Bat	6.22.01	12:00	20128	Soil	1	✓	✓					On-site Landfarm
Bullseye #7	6.22.01	12:23	20129	Soil	1	✓	✓					Landfarm for Tank Battery Soil
Bullseye 1Y	6.22.01	12:35	20130	Soil	1	✓	✓					On-site Landfarm
Bullseye #3	6.22.01	12:52	20131	Soil	1	✓	✓					On-site Landfarm Includes Matl on #2
Bullseye #12	6.22.01	13:04	20132	Soil	1	✓	✓					On site Landfarm
Bullseye #16	6.22.01	13:18	20133	Soil	1	✓	✓					On-site Landfarm

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	6.22.01	17:00		6/22/01	17:00
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

A Plus NMOCD
Nordline

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No:
C.O.C #: 9265

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 99042-002
PAGE No: 2 of 2

FACILITY LOCATION: Bullseye Well #7
SOURCE LOCATION: Bullseye Central Tank Battery.
SOURCE LOCATION: production Pit & 2nd Containment
SOURCE LOCATION:
FACILITY CLASSIFICATION: PIT TYPE:

DATE STARTED: 01-15-01
DATE FINISHED: 06-27-01

ENVIRONMENTAL SPECIALIST: HMB

SOIL REMEDIATION: QUANTITY: 250-300 # OF COMP. SAMPLES: 2
DIMENSIONS: 150 x 198
VISIBLE OBSERVATIONS: Dry, tilled, shaley sand minor oil stains
SAMPLING PLAN: 5 pt Composite #2

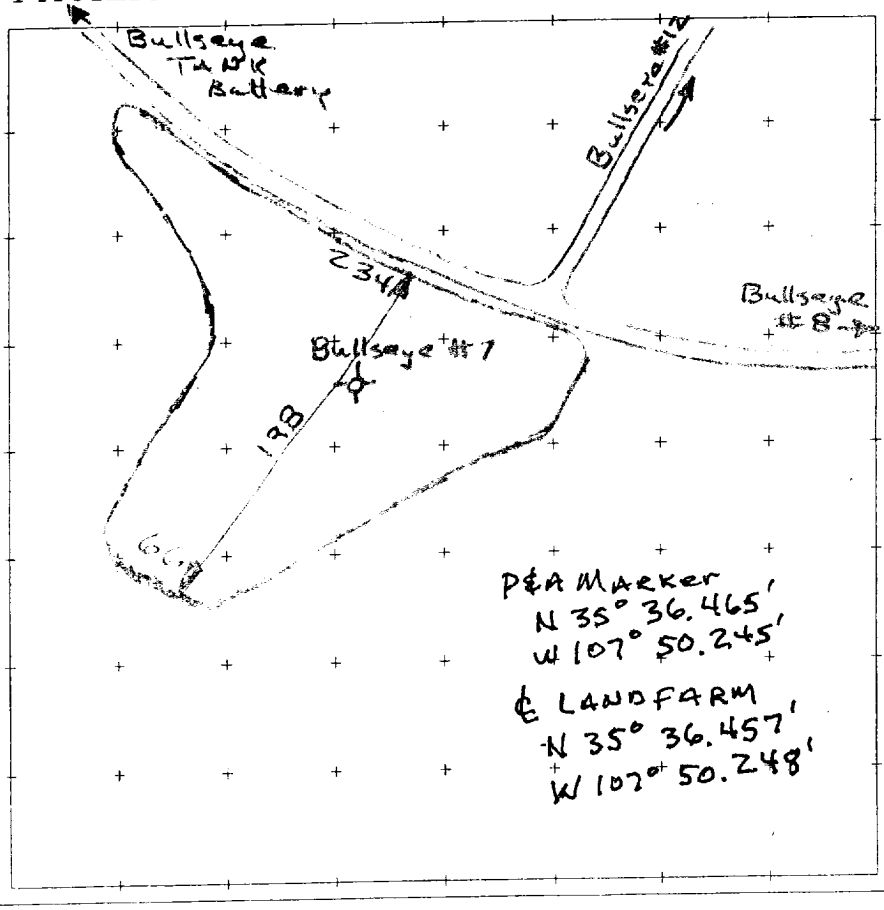
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 150 YARDS SE FROM ~~WELLHEAD~~ CTB.

DEPTH TO GROUNDWATER: >100
NEAREST WATER SOURCE/TYPE: >1000
NEAREST SURFACE WATER: >1000
MAX TPH PER NMOCD: 5000 ppm

No. OF 5-POINT COMPOSITE SAMPLES: YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:
20019		
	8015	1070
	8021	.0489

NORTH

N/A.

WELLHEAD

SURFACE FLOW DIR.

ESTIMATED GROUNDWATER FLOW DIR.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	A Plus Well Service	Project #:	99042-002
Sample ID:	Bullseye #7	Date Reported:	06-27-01
Laboratory Number:	20129	Date Sampled:	06-22-01
Chain of Custody No:	9265	Date Received:	06-22-01
Sample Matrix:	Soil	Date Extracted:	06-25-01
Preservative:	Cool	Date Analyzed:	06-27-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**5.7**	**0.2**
Diesel Range (C10 - C28)	**1,060**	**0.1**
Total Petroleum Hydrocarbons	**1,070**	**0.1**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc Landfarm for Tank Battery Soil 5 Pt. Composite.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	A Plus Well Service	Project #:	99042-002
Sample ID:	Bullseye #7	Date Reported:	06-27-01
Laboratory Number:	20129	Date Sampled:	06-22-01
Chain of Custody:	9265	Date Received:	06-22-01
Sample Matrix:	Soil	Date Analyzed:	06-27-01
Preservative:	Cool	Date Extracted:	06-25-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**6.6**	**3.5**
Toluene	**5.0**	**3.3**
Ethylbenzene	**37.3**	**3.0**
p,m-Xylene	**ND**	**4.3**
o-Xylene	**ND**	**2.1**
Total BTEX	**48.9**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**94 %**
	1,4-difluorobenzene	**94 %**
	Bromochlorobenzene	**94 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Nerdlihc Landfarm for Tank Battery Soil 5 Pt. Composite.**

Analyst

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CHAIN OF CUSTODY RECORD

09265

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
A Plus Well Service	NERDLIHC	
Sampler: HARLAN M. BROWN	Client No. 99042-002	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015 TPH	8021 BTEX					Remarks
												All Samples 5 pt. Comp
Bullseye #15	6.22.01	11:35	20126	Soil	1	✓	✓					On-site Landfarm
Marcellina #1	6.22.01	1145	20127	Soil	1	✓	✓					on-site landfarm
Bullseye Tank Bat	6.22.01	12:00	20128	Soil	1	✓	✓					on-site landfarm
Bullseye #7	6.22.01	12:23	20129	Soil	1	✓	✓					Landfarm for Tank Battery Soil
Bullseye 1Y	6.22.01	12:35	20130	Soil	1	✓	✓					On-site landfarm
Bullseye #3	6.22.01	12:52	20131	Soil	1	✓	✓					on-site landfarm includes Matt'l on #2
Bullseye #12	6.22.01	13:04	20132	Soil	1	✓	✓					On site Landfarm
Bullseye #16	6.22.01	13:18	20133	Soil	1	✓	✓					on-site landfarm

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	6.22.01	17:00		6/22/01	17:00
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		