D0001

letrict I , O. Box 1980, Hobbs, NM istrict II O. Drawer DD, Artesia, NM 88211 rict III Alo Brazos Rd, Aztoc, NM 87410

State of New Hexico Energy, Minerals and Natural Resources Department

Deny - % -OK SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

OIL CONTROL TO THE TON Santa 24, Neg Hex 50099504-2088

PIT REMEDIATION AND CE

	Donied 12/11/	76 - LF	
Oper	co Production Company Amoco Court, Farmington,	Telephone	(505) - 326-9200
Pacility Or:	SCHWERDTFEGER 1		san Inah
Pit Type: Separator	r/Qtr sec ser or	ther BLOW	
Attach diagram) Ref	erence: wellhead $ imes$ tage from reference:	108 Degrees <u>V</u>	
Depth To Ground Wa (Vertical distance from contaminants to season high water elevation of ground water)	om nal	Less than 50 feet 50 feet to 99 feet Greater than 100 fee	(10 points)
Wellhead Protection (Less than 200 feet for domestic water source 1000 feet from all ot	rom a private , or; less than	Ye No	s (20 points) (0 points) _ O
Pistance To Surface Horizontal distance lakes, ponds, rivers, irrigation canals and	to perennial streams, creeks,	Less than 200 feet 200 feet to 1000 fee Greater than 1000 fe	et (10 points)
		RANKING SCORE (TOTAL	POINTS): (O

Date Remediation St.	arted:	
Remediation Method:	Excavation \underline{X}	Approx. cubic yards /0
(Check all appropriate sections)	Landfarmed	Insitu Bioremediation
	Other	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		site
General Description	Of Remedial Action	
Excavation	oń	
		Double Control
Ground Water Encoun	tered: No X	Yes Depth
		see Attached Documents
Final Pit: Closure Sampling:	Sample location	acc needed peculiary
(if multiple samples, attach sample results	Sample depth	۷ (
and diagram of sample locations and depths)	Sample date $\frac{5 Z3}{}$	94 sample time 0855
	Sample Results	
	Benzene(ppm)	
	Total BTEX(pp	
		ce(ppm) 4.8
	трн <u>ЧЧ рр</u> ~	
· · · · · · · · · · · · · · · · · · ·	TPR 11 PP.	<u>`</u>
Ground Water Sample	Yes No <u>></u>	(If yes, attach sample results)
I HEREBY CERTIFY THOF MY KNOWLEDGE AND	NAT THE INFORMATION BELIEF	ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8/23/94		BIINCI
STGNATURE BASI	PRINTED AND TITE	NAME BUDJY D. Shaw E Environmental Coordinator

Date Remediation Sta	arted:	Date Completed: 8/23/94
mediation Method:	Excavation X	Approx. cubic yards /0
(Check all appropriate sections)	Landfarmed 🔀	Insitu Bioremediation
	<i>'</i>	
, ·		
Remediation Location	onsite X of	fsite
(ie. landfarmed onsite, name and location of offsite facility)		<u> </u>
General Description	Of Remedial Actio	n:
Excavation		
	•	
		n 4h
round Water Encour	tered: No X	Yes Depth
		L. L. J. D. aumonto
Final Pit:	Sample location	see Attached Documents
Closure Sampling:		
attach sample results	Sample depth	2 \
locations and depths)	sample date 82	3 94 sample time 0855
	Sample Results	
	Benzene (ppm)
	Total BTEX(
		pace(ppm) 4.8
	трн <u>ЧЧ р</u>	
e e e		
		(If yes, attach sample results)
OF MY KNOWLEDGE AN	HAT THE INFORMATION BELIEF	ON ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8/23/94		ED NAME Buddy D. Shaw,
SIGNATURE BAS	haw AND T	ITLE ENVIRONMENTAL CORDINATOR

CLIENT: <u>AMOCO</u>	P.O. BOX	GG ENGIN 87, BLOO! (505) 63	MFIELD, N		C.D.C. ND:
FIELD REPO	RT: CLC	SURE	VERIFIC	ATION	PAGE No: of
LOCATION: NAME: 5< HWE QUAD/UNIT: L SEC: QTR/FOOTAGE: 1750 F	36 TWP: 282	RNG: 9 W P	M: NM CNTY		DATE STARTED: 8/23/94 DATE FINISHED: 8/23/94 ENVIRONMENTAL SPECIALIST:
LAND USE:	FACILITY: <u>Land</u> <u>Rapce</u>	ofremed or	LEASE: _	CUBIC YARI	DAGE:/O
FIELD NOTES & REMAI	RKS: PIT LOCAT	TED APPROXIN	1ATELY <u>108</u> > 1000' N	FEET <u>5</u> EAREST SURFAC	43€ FR□M WELLHEAD. E WATER: <u>>/000</u>
NMOCD RANKING SCORE:					FORMATION: DI
SOIL AND EXCAVATION	9k 01	27 TO 5216)/ FIEL <u>D 418.1 CA</u>	LCULATIONS	FIRM) NO	N SAND, NON -COMESIVE APPARENT HC ODOR.
SAMPLE O855 De-		/EIGHT (g) mL.	FREON DILUTION		C. ppm
SCALE O FT PIT PERIM TO WALL HEAD A D S	IETER AN	SAMPLE FIELD PII 10 Z' 20 Z' 30 Z' 40 Z'		PIT A	PROFILE A'
TRAVEL NOTES:	T. 8/23/94		ONSITE:	1/23/94	

H

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

2 @ 2'

Date Analyzed:

8-23-94

Project Location:

Schwerdtfeger A1E

Date Reported:

8-23-94

Laboratory Number:

TPH-1089

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	44	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow Pit - B0059

Review

Melron Vele Analyst

P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Sample ID:

2 @ 2'

Project #: Date Analyzed:

8-23-94

Project Location:

Schwerdtfeger A1E

Date Reported:

8-23-94

Laboratory Number:

TPH-1089

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

11 mg/kg

TPH Result:

44.0 mg/kg

Reported TPH Result:

44 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original TPH mg/kg Duplicate TPH mg/kg % Diff.

104

92

11.54

Comments:

Comments:

Blow Pit - B0059

O. Box 1940, Hobbe, NM

istrict II
O. Drawer DD, Ariesia, NM 88211

rict III

dio Brazos Rd, Azies, NM 87410

State of New Hexico Energy, Hinerals and Natural Resources Department

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

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

PIT REMEDIATION AND CLOSURE REPORT

	•	
	Amoco Production Company	Telephone: (505) - 326-9200
operator:	Annoco	New Mexico 87401
Address:	200 Amoco Court, Farmington,	A 1T
Facility Or: Well Name	SCHWERDTFEGER	A LE
Location: Unit	or Qtr/Qtr Sec Se	C36 TZBNRAW County SAN JUAN
nit Tume: Sena	rator Dehydrator $ imes$ O	ther
Land Type: BL	M_X, State, Fee	, Other
it Location: Attach diagram)	Pit dimensions: length Reference: wellhead X	/6 , width _ / 7 , depth 5 ,
Depth To Groun (Vertical distant contaminants to high water eleva- ground water)	ce from seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
Jamantin water 8	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) One (0 points)
Distance To St (Horizontal dist lakes, ponds, ri irrigation canal	ance to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
1111 gatton Canas		RANKING SCORE (TOTAL POINTS): 16
l .	•	

		Date Completed: 8/23/94
Date Remediation Sta	arted:	
Remediation Method:		Approx. cubic yards
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation
:	Other	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		
General Description	Of Remedial Action	
Excavation	oń	
The state of the s	tered: No X	Yes Depth
Ground Water Encoun		
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents
attach sample results and diagram of sample	Sample depth	5
locations and depths)	Sample date 8/2	3/94 Sample time 0910
	Sample Results	
	Benzene(ppm)	
•	Total BTEX(pr	
		ace(ppm) 4.0
	TPH 56 PPM	
4		
		∠ (If yes, attach sample results)
OF MY KNOWLEDGE AN	HAT THE INFORMATION D BELIEF	ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8 23 94	PRINTED	NAME Buddy D. Shawlington LE Environmental Consdinator
SIGNATURE SS	haw AND TIT	LE ENVIRONMENTAL CORREINATOR

		Date Completed: 8/23/94
Date Remediation St		
nediation Method: (Check all appropriate		Approx. cubic yards 30
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation
	Other	
•		
Remediation Location	n: Onsite X Off	site
(ie. landfarmed onsite, name and location of offsite facility)		•
General Description	Of Remedial Action	
Excavation		
ound Water Encoun	ntered: No 🔀	Yes Depth
Final Pit: Closure Sampling:	Sample location	see Attached Documents
(if multiple samples, attach sample results	Cample denth	5
and diagram of sample locations and depths)	Sample depth Sample date 8/2	3/94 Sample time 0910
		Dumper James
	Sample Results	
	Benzene (ppm)	· · · · · · · · · · · · · · · · · · ·
· •	Total BTEX(p	pm)
	Field headsp	ace(ppm) 4.0
	TPH <u>56 PP</u>	
		★ (If yes, attach sample results)
HEREBY CERTIFY TO	HAT THE INFORMATION D BELIEF	ABOVE IS TRUE AND COMPLETE TO THE BEST.
DATE 8/23/94	PRINTED	NAME BUDDY D. Shaw The Environmental Coordinator
SIGNATURE (2X)	VIAW AND TIT	LNYIKUNMENIAI -OOKSINAIO

And the second s

17 398

CLIENT: AMOCO BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: 50059 C.O.C. NO:
FIELD REPORT: CLOSURE VERIFICATION	PAGE No:/_ of/
QUAD/UNIT: 6 SEC: 36 TWP: 28 & RNG: 9W PM: NM CNTY: 57 ST: NM	DATE STARTED: 8/23/44 DATE FINISHED: 8/23/94 ENVIRONMENTAL NV SPECIALIST:
SOIL REMEDIATION: EXCAVATION APPROX. 16 FT. x 17 FT. x DISPOSAL FACILITY: LANDERLED ON -51TE CUBIC YARD LAND USE: RANGE LEASE: NOLE ON	age: <u>30</u>
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 65 FEET NI DEPTH TO GROUNDWATER: 100 NEAREST WATER SOURCE: 7,000 NEAREST SURFACE	S€ FROM WELLHEAD. WATER: 7/800 FORMATION: 0K
SOIL AND EXCAVATION DESCRIPTION: ORY TO SLIGHTLY MOIST, NO APPAREN	I SAND, NON-COHESING NT HC OOR.
FIELD 418.1 CALCULATIONS SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON DILUTION READING CALC. SCALE SCALE SCALE	
THE CETS 1	PROFILE
5 4 4 2 7 0.7 3 8 3 1 0.7 4 8 3 7 0.7 5 8 5 1 4.0	T'
TRAVEL NOTES: CALLOUT: 8/23/94 ONSITE: 8/23/94	

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

AIIIOCC

Project #:

8-23-94

Sample ID: Project Location:

5 @ 5' Schwerdtfeger A1E Date Analyzed: Date Reported:

8-23-94

Laboratory Number:

TPH-1090

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	56	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Dehydrator Pit - B0059

Rev

Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Project Location:

Client:

Amoco

Sample ID:

5 @ 5'

Laboratory Number:

Schwerdtfeger A1E

TPH-1090

Project #:

Date Analyzed: Date Reported: 8-23-94 8-23-94

Sample Matrix: Soil

Sample Weight:

5.00 grams 20.00 mL

Volume Freon: Dilution Factor:

1 (unitless)

TPH Reading:

14 mg/kg

TPH Result:

56.0 mg/kg

Reported TPH Result:

56 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

104

92

11.54

Comments:

Comments:

Dehydrator Pit - B0059

BU-01

O. Box 1980, Hobbs, NM

istrict II

O. Drawer DD, Artesia, NM 88211

:rict III

Rio Brazos Rd, Azioc, NM 87410

State of New Hexico Energy, Minerals and Natural Resources Department

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

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

PIT REMEDIATION AND CLOSURE REPORT

	A Production Company	Telephone: (505) - 326-9200	
operator:	Amoco Production Company	Nov. Maying 87401	
Address:	200 Amoco Court, Farmington	New Mexico 6/401	
	SCHWERDTFEGER AIE		
Location: Unit	or Qtr/Qtr Sec Se	1036 TZBNRAM County SAN THAN	
nit Tyna: Sepa	rator DehydratorO	ther <u>Production</u> incie	
Land Type: BL	MX, State, Fee	, Other	
it Location: Attach diagram)	Reference: wellhead X Footage from reference:	, other	-
Depth To Groun (Vertical distant contaminants to high water elevater)	ce from seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)	10
I	ection Area: feet from a private source, or; less than all other water sources)	Yes (20 points) No (0 points)	0
Distance To 8 (Horizontal dist	urface Water: cance to perennial ivers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	0
irrigation cana	TR Blin direction!	RANKING SCORE (TOTAL POINTS):	/0
1			

Date Remediation St.	arted:	Date Completed: 8/25/94
Remediation Method:		Approx. cubic yards 40
(Check all appropriate	Landfarmed X	Insitu Bioremediation
sections)		
	Oction	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	. *	fsite
		n:
Excavation	on	
Ground Water Encoun	tered: No X	Yes Depth
GLORING METER BROOMS		
Final Pit: Closure Sampling:	Sample location	see Attached Documents
(if multiple samples, attach sample results	Sample depth	13
and diagram of sample locations and depths)	Sample date 8/2	5/94 Sample time 0720
	Sample Results	
	Benzene(ppm)	
	Total BTEX()	
		pace(ppm) 38
	TPH 24 1	
		X (If yes, attach sample results)
I HEREBY CERTIFY TO	D BELIEF	N ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8/25/94	PRINTE	D NAME BUDGY D. Shaw TLE ENVIRONMENTAL CORRELINATOR
SIGNATURE BAS	MAW AND TI	TLE ENVIRONMENTAL COORDINATOR

		Date Completed: 8/25/94
Date Remediation Sta		
rediation Method:	Excavation $\underline{\times}$	Approx. cubic yards 40
	Landfarmed X	Insitu Bioremediation
	Other	
	onsite X Offs	ite
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	1	<u>. </u>
General Description	of Remedial Action:	
Excavation	on	
		Yes Depth
ound Water Encoun	tered: NO	
		see Attached Documents
Final Pit: Closure Sampling:	Sample location	See Allacied Dodiner
(if multiple samples, attach sample results	1. 1	131
and diagram of sample locations and depths)	Sample depthSample date	Sample time 0720
10000000000000000000000000000000000000	,	
	Sample Results	
	Benzene (ppm)	
	Total BTEX(P	
	Field headspa	ace(ppm) 3.8
	TPH 24 PF	
Ground Water Sampl	e: Yes No _>	人 (If yes, attach sample results)
	HAT THE INFORMATION	ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8/25/94	PRINTED	NAME Buddy D. Shaw LE Environmental Consdinator
SIGNATURE S	haw AND TIT	LE Environmental Conrdinator

1. 10

CLIENT: <u>AMOCO</u>	P.O. BOX 87, B	NGINEERING, I LOOMFIELD, N) 632-1199		LDCATION NO: 80059 C.D.C. NO:
FIELD REPOR	RT: CLOSUR	E VERIFIC	CATION	PAGE No: of
LOCATION: NAME: SCHOOL	36 TWP: 280 RNG: 91	W PM: Nm CNT	1:57 ST:NM	DATE STARTED: 8/25/94 DATE FINISHED: 8/25/94 ENVIRONMENTAL ANV SPECIALIST:
OTR/FOOTAGE: NW4				
	'ACILITY: LANDER BONG	D 04-217E	CUBIC YARI	DAGE: 40
LAND USE:	RANGE	LEASE: _	NONE ON	21617
FIELD NOTES & REMAR	KS: PIT LOCATED APP	PROXIMATELY 110	FEET SURFACE	SOW FROM WELLHEAD.
NMOCD RANKING SCORE:/O	NMOCD TPH CLOSURE	STD: /800 PPM		FORMATION:
SOIL AND EXCAVATION D	ESCRIPTION:	085.)		
	000 -	ORANGE TO MOS E, SLIGHTLY MOS	ST, FIRM,	WI TAMP, NOW -
CHIEF I		B.1 CALCULATIONS ml. FREON DILUTION	I BEADING CALC	` nom
0720 SAMPLE 1	1 1	20 1:)		2 4
SCALE				
O FT	<u> </u>	OVM		
PIT PERIM	ETER TO R	OVM ESULTS	PIT	PROFILE
	SAMPLE	PID (ppm)		
Δ	Went 1 @ 91	3.5		
	36 87 46 97 56 B	1.2		
* 0	1 PROD .	3.8		
10 8	E (TK1)		7	
7 0			JUFF IAC	5
A'		LAB SAMPLES		
			, 1	
TRAVEL NOTES: CALLOUT:	8/23/94	ONSITE:	125 94	

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

5 @ 13'

Date Analyzed:

8-25-94

Project Location:

Schwerdtfeger A1E

Date Reported:

8-25-94

Laboratory Number:

TPH-1094

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	24	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Production Tank Pit - B0059

Re Re

Review

P.O. Box-87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

******* Max Characters:

Client: Sample ID: Amoco

5 @ 13'

TPH-1094

Schwerdtfeger A1E

Laboratory Number:

Project Location:

Project #:

Date Analyzed: Date Reported: 8-25-94

8-25-94 Sample Matrix: Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

6 mg/kg

TPH Result:

24.0 mg/kg

Reported TPH Result:

24 mg/kg

Actual Detection Limit:

20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

104

_____ 92

11.54

Comments:

Comments:

Production Tank Pit - B0059

O. Box 1940, Hobbs, NM

istrict II

O. Drawer DD, Arlesia, NM 88211

rict III

dio Brazos Rd, Aztos, NM 87410

State of New Hexico Energy, Minerals and Natural Resources Department

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

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company	Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington,	New Mexico 87401
Facility Or: SCHWERDTFEGER ALE	
Location: Unit or Qtr/Qtr Sec Se	636 TZ8N R9W County SAN JUAN
Pit Type: Separator X Dehydrator 01	ther
Land Type: BLM X, State, Fee	, Other
Reference: wellhead	width, depth, depth
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)
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)
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)
·	RANKING SCORE (TOTAL POINTS): 10

			1. 10.
Date Remediation St.	arted:	Date Completed:	8/53/44
Remediation Method:	Excavation X	Approx. cubic yards	2.5
(Check all appropriate	Landfarmed X	Insitu Bioremediation	
sections)			
	Other		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		site	•
General Description	of Remedial Action		
Excavati	on		
	ntered: No X	Yes Depth	
Ground Water Encoun	atered: NO /-		
Final Pit: Closure Sampling:	Sample location _	see Attached Documents	
(if multiple samples, attach sample results		5	
and diagram of sample locations and depths)	sample depth	3 94 Sample time	0840
	Sample Results		
	Benzene (ppm)		
	Total BTEX(p		
		ace(ppm)	
	TPH 24 PPM		
Ground Water Samp	le: Yes No _	(If yes, attach samp	ole results)
OF MY KNOWLEDGE A	MD DEFITTY	N ABOVE IS TRUE AND COME	
DATE 8 23 94	PRINTE	NAME BUDGED.	Shaw Coordinator
SIGNATURE (2)	HAW AND TIT	THE CALLERIAN KULL	

		Date Completed: 8/23/94
Date Remediation Sta	rted:	Date Completed.
ediation Method:	Excavation 🔀	Approx. cubic yards Z S
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation
	Other	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		site
General Description	of Remedial Action	
Excavation	on	
ound Water Encour	ntered: No X	Yes Depth
Final Pit:		see Attached Documents
closure sampling:		
(if multiple samples, attach sample results and diagram of sample locations and depths)	Sample depth	5
Toomerana and		
	Sample Results	
	Benzene (ppm)	
	Total BTEX(p	
	Field headsp	ace(ppm)
. ·	TPH ZY PPM	
		(If yes, attach sample results)
HEREBY CERTIFY TO	THAT THE INFORMATION BELIEF	ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8 23 94	PRINTEI AND TI	D NAME BUDDY D Shaw retor
SIGNATURE (2)	MAW AND II	And the first of t

 $(\mathcal{D}_{\mathbf{r}_{i}}^{\mathbf{r}_{i}}) \leq c_{\mathbf{r}_{i}}$

CLIENT: AMOCO BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.D.C. ND:
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of/_
LOCATION: NAME: SCHWERDTFEGER WELL #: A LE PIT: SEP QUAD/UNIT: L SEC: 36 TWP: ZZN RNG: 9 D PM: NM CNTY: ST ST: NM QTR/FOOTAGE: 1750 FSL 990 FUL CONTRACTOR: P. VELASQUEZ	DATE STARTED: 8/23/94 DATE FINISHED: 8/23/94 ENVIRONMENTAL NV SPECIALIST: NV
SOIL REMEDIATION: EXCAVATION APPROX. 14 FT. x 17 FT. x DISPOSAL FACILITY: LANDFRED ON -SITE CUBIC YARI LAND USE: RANGE LEASE: MONE ON	DAGE: 25 514N
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 48 FEET 5 DEPTH TO GROUNDWATER: (100) NEAREST WATER SOURCE: (2100) NEAREST SURFACE	5W FROM WELLHEAD.
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM	ľ
SOIL AND EXCAVATION DESCRIPTION:	WIZZHOS- NON, OWESIUE
1 10 UEAD CAUDE DEID HEADSPACE A	PROFILE
SEP SEP 1.5 5' 5' 1.5 5' 5' 1.5 5' 5'	FENCE
TRAVEL NOTES: CALLOUT: 8/23/94 ONSITE: 8/23/94	

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Project #:

Sample ID:

5 @ 5'

Date Analyzed:

8-23-94

Project Location:

Schwerdtfeger A1E

Date Reported:

8-23-94

Laboratory Number:

TPH-1088

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	24	20

ND = Not Detectable at stated detection limits.

OA/OC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Separator Pit - B0059

Analyst

Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Sample ID: **Project Location:**

Laboratory Number:

5 @ 5'

Schwerdtfeger A1E

TPH-1088

Project #:

Date Analyzed:

Sample Matrix:

8-23-94

8-23-94 Date Reported:

Soil

Sample Weight: Volume Freon:

Dilution Factor:

TPH Reading:

5.00 grams

20.00 mL

1 (unitless)

6 mg/kg

TPH Result:

Reported TPH Result:

Actual Detection Limit: Reported Detection Limit: 24.0 mg/kg

24 mg/kg 20.0 mg/kg

20 mg/kg

QA/QC:

Original TPH mg/kg

104

Duplicate TPH mg/kg

% Diff.

92

11.54

Comments:

Comments:

Separator Pit - B0059

CLIENT: AMOCO	1	AGG ENG OX 87, BLO (505)		NM 87	, -			80059 5573
FIELD REPORT	: LAND	FARM/COM	POST PILI	E CLOS	SURE	VERIE	'ICA'	ΓΙΟΝ
OCATION: NAME: SCHUT QUAD/UNIT: L SEC:	BATFELLER 36 TWP: Z	A WELL #:	PM:NM CNT	m'zer'de4l	PROD.	DATE STARDATE FINISH	TED: // HED:	20 97
QTR/FOOTAGE: 1750	FSL 990 F1	CONTRACTOR:				PECIALIST:	_ ~ ~ /	EP
SOIL REMEDIATION: REMEDIATION S'	YSTEM: LA	nofarm	_ APP	ROX. CU	BIC YA	RDAGE:	_/0	>5
LAND USE:	<u>P</u>	ingé	LIFT	DEPTH	(ft):	6-12		
TOOK 5 PT COMPOSITE	SAMPLE IN							
CUID THE	CAMPIE ID	FIELD 4:	8.1 CALCULATIO	NS N DILUTION	READING	CALC. p	pm	
SAMP. TIME	SAMPLE I.D.	LAB NO. WEIGH	1 (g) me. 1120					
						<u> </u>		
SKETCH/SAM	PLE LOCA	ATIONS	_					
	4		OVM RE	SULTS	I	AB SA	AMPL	ES
Pri			SAMPLE FIE	LD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
PROD. TANK			<u>LF-1</u>	0.0	LF-1	8015	1416	ND
(1						1		

SEP () SEP		M.M.	
EP Pri	0 2 3	DENY DENY PIT	SCALE O FT
TRAVEL NOTES:			ONSITE: 11.20.97 1410



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	11-25-97
Laboratory Number:	C548	Date Sampled:	11-20-97
Chain of Custody No:	5573	Date Received:	11-21-97
Sample Matrix:	Soil	Date Extracted:	11-21-97
Preservative:	Cool	Date Analyzed:	11-24-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

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

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:

Schwerdtfeger A # 1E Landfarm. 5 Pt. Composite.

Deen L. ajeun

Stacy W Sendler.
Review

CHAIN OF CUSTODY RECORD

Ref Cac SS 64	Relinquished by: (Signature)	Relinquished by: (Signature) (Approx. U	Relinquished by: (Signature)			LF-1 "1	Sample No./ Identification	Sampler: (Signatura)	SienuProject Name 82866/ Anoco
)	0	12				11/20/97	Sample Date		O O
ht 55						971410	Sample Time		
÷		m	14			CS48	Lab Number	Chain of Custody Tape No.	Project Location しゅうい
ENVIROTECH INC. 57% U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615		4060 66/12/11	Date Time 1	Sample		2011	Sample Matrix	6.	H H
CH INC. Way 64-3014 Mexico 87401 2-0615	Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	7 6 6		\ \	No Cont	o. of ainers	À
	•	Oteca	, Vil	5					ANALYSIS/PARAMETERS
		{		hy terest		M	<i>P</i>		RAMETERS
		11.21.97 0904	Date Time			PT. ComPOSTA	RESERV COOL	Remarks	