

LOCATION: SALMON (P-30-29-11)RCRA EXEMPT
WASTES:Yes ☒ No ☐PIT TYPE: DHP #2ATE FLOW TO PIT STOPPED: BEFORE 1991Denny S. Foust
DEPUTY OIL & GAS INSPECTOR

ACREAGE

TYPE: ☐ FEDERAL ☐ JICARILLA ☐ NAVAHO☐ STATE ☒ FEE

JUN 11 9 1995

SITE ASSESSMENT

1) Groundwater Depth: < 50'

Ranking Score

Basis: LOCATION CLOSE TO RIVER, WTL TABLE NEAR SURFACE20

2) Wellhead Protection Area:

Distance To

Water Sources: > 1000' Private Domestic Water Sources: > 200'Basis: NO FRESH WTR EXTRACTIONS IN IMMEDIATE VICINITY03) Distance To Surface Body of Water: ± 1000'Basis: SAN JUAN RIVER APPROX 1000' NORTH10

Total Score:

30

Soil Characteristic

☐ Highly Contaminated/Saturated☒ Unsaturated Contaminated

RANKING CRITERIA

Depth to Groundwater	Wellhead Protection Area	Distance to Surface Water Body
	<1000' from water source or < 200' from private domestic water source	
Score	Score	Rank
<50 ft 20	yes 20	<200' horiz 20
<50 - 99 10	no 0	200 - 1000' horiz 10
>100 ft 0		>1000' horiz. 0

GUIDELINE REMEDIATION LEVELS

Total Ranking Score			
	>19	10-19	0-9
Benzene (ppm)	10	10	10
BTEX (ppm)	50	50	50
Field Headspace			
Method for BTEX	100	100	100
TPH (ppm) **	100	1,000	5,000

** Concentration above background

DEFINITION OF CONTAMINATION

Date: _____

Depth Excavated: 6-8-93Full Excavation: ☐ Maximum Extent Practicable ENCOUNTERED GW 2' FROM SURFACE

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLE RESULTS NOTES" FORM

Groundwater Encountered: Yes ☒ No ☐If yes, approximate depth: 2'Groundwater Sampling? ☒ Yes ☐ NoWhere was gw sample taken? ON NW CORNER OF PIT ON DOWNGRADIENT SIDE

Attach GW Sample Results

NOTES:

REMEDIATION PROFILESoil Treated Onsite ☐Date Remediation Started: 10-25-93☒ In Situ Bio☐ w/vapor venting☐ Landfarmed☐ CompostedDate: 10-25-93

Description

Amount/Rate

Date: _____

Description

Amount/Rate

Tilled	TURNED SOIL TO 3' DEEP IN CONTAMINATED AREA			
Nutrients	FERT - 25-4-41	20 #		
Moisture				
Bulking Agent				
Organic Material				

Date: _____

Description

Amount/Rate

Date: _____

Description

Amount/Rate

Tilled				
Nutrients				
Moisture				
Bulking Agent				
Organic Material				

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLING RESULTS NOTES" FORM

SOIL TREATED/HANDLED OFFSITE**TO SITE (ATTACH MANIFEST)**

Where Treated: _____

Type of Land (Fed/Nav/Jic/State/Fee): _____

Quantity Moved: _____

Quantity Disposed At Envirotech: _____

FROM SITE (ATTACH MANIFEST)

To This Location From: _____

Type of Land (Fed/Nav/Jic/State/Fee): _____

Quantity Moved: _____

FINAL CLOSUREBTEX: 76 ppm (From Headspace Analysis)TPH: ND ppm (From Lab Results)

Revegetated:

yes ☐no ☐

Active Well or Facility Pad:

yes ☐no ☐NOTES: 6-8-93 - EXCAVATED PIT AREA, ENCOUNTERED GW & APPROX 2' PULLEDTPH SOIL & TPH/BTEX WTL. SAMPLES. LAB RESULTS INDICATE ND ON BTEXFOR WTL. 10-25-93 - TURNED SOIL TO 3' DEEP IN CONTAMINATED AREAFERTILIZED w/ 20 #. CHASED CONTAMINATION NW OF PIT AREA. AREA EXCAVATED5' X 16' X 3', BERMED AROUND CONTAMINATED AREA, 9-22-94 - RAN SPT.COMPOSITE 2' DIA ANALYSIS. FOUND 0.001 TPH LEVELS TO 2' DEEP.REF. 10/25/93

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9-22-94 - PULL SAMPLES FOR DUA: PH ANALYSIS. DUA

PH ANALYSIS BELOW REQUIREMENT, PREPARE TO CLOSE PIT.

12-21-94 - CLOSED PIT, CONTOURED & SEEDING LOCATION

NOTES:

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PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

LOCATION OF PIT

SALMO 1

TYPE OF PIT:

DHP #2

DESCRIPTION OF SAMPLE	SAMPLE EVENT # 1	SAMPLE EVENT # 2	SAMPLE EVENT # 3	SAMPLE EVENT # 4	SAMPLE EVENT # 5	SAMPLE EVENT # 6	SAMPLE EVENT # 7	SAMPLE EVENT # 8
DATE OF SAMPLE	6-8-93	6-8-93	6-8-93	6-8-93	6-8-93	6-8-93	6-8-93	9/22/
LOCATION OF SAMPLE	DHP 2	NW CORNER DHP 2	NW OF PIT DHP 2	NE OF PIT DHP 2	EAST OF PIT DHP 2	SOUTH OF PIT DHP 2	WEST OF PIT DHP 2	DHP 2
TYPE OF SAMPLE: (GRAB/COMPOSITE)	SOIL COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	SP COMPOSITE
DEPTH OF SAMPLE(S)	2'	2'	2'	2 1/2'	2 1/2'	2 1/2'	2 1/2'	0-3'
TEMPERATURE OF SAMPLE	70°	75°	69°	65°	68°	71°	69°	76°
FIELD METHOD RESULTS (PPMS)								
TPH VAPORS (EQUIV UNITS)	509	440	2	8	1	14	2	161
BENZENE RESPONSE FACTOR	.47	.47	.47	.47	.47	.47	.47	.47
ADJUSTED FOR BENZENE EQUIV UNITS	239	207	1	4	-	7	1	76
LAB RESULTS IN PPM: METHOD (418.1 OR MOD 8015)	418.1							418.1
TPH	ND	ND						ND
NOTES	PULLED TPH SOIL SAMPLE PULLED WTR SAMPLE FROM NW CORNER OF PIT ON DOWN- GRADIENT SIDE BTEX ND	PULLED TPH- BTEX WTR SAMPLE ON DOWNGRADIENT SIDE	25' FROM NW CORNER OF PIT	8' FROM NE CORNER OF PIT	15' FROM EAST SIDE OF PIT	20' FROM SOUTH SIDE OF PIT	20' FROM WEST SIDE OF PIT	REMOVED PIT

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TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1Conoco Inc.Project: Soil TPH
Matrix: Soil
Condition: Intact/CoolDate Reported: 09/29/94
Date Sampled: 09/22/94
Date Received: 09/22/94
Date Extracted: 09/26/94
Date Analyzed: 09/27/94

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
Salmon #1 DHP #1	G01617	71	20
Salmon #1 DHP #2	G01618	ND	17
Salmon #1 BDP	G01619	61	17

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst:

Anna Schaefer

Reviewed:

LR

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