

LOCATION:

COPACO
SALMON (P-30-29-11)RCRA EXEMPT
WASTES:Yes ☒ No ☐

PIT TYPE:

DHP #1

ATE FLOW TO PIT STOPPED:

BEFORE 1991

DEPUTY OIL & GAS INSPECTOR

ACREAGE

TYPE:

☐ FEDERAL☐ JICARILLA☐ NAVAHO☐ PRIVATE ☒ FEE

SITE ASSESSMENT

1) Groundwater Depth:

< 50'

Ranking Score

Basis: LOCATION CLOSE TO RIVER, WTR TABLE @ SURFACE

20

2) Wellhead Protection Area:

Distance To

Water Sources:

> 1000'

Private Domestic Water Sources:

> 200'

Basis: NO FRESH WTR EXTRACTION IN IMMEDIATE VICINITY

0

3) Distance To Surface Body of Water:

± 1000'

Basis: SAN JUAN RIVER APPROX. 1000' NORTH

10

Total Score:

30

Soil Characteristic

☐ Highly Contaminated/Saturated☒ Unsaturated Contaminated

RANKING CRITERIA

Depth to Groundwater	Wellhead Protection Area	Distance to Surface Water Body	Score	Rank
	<1000' from water source or < 200' from private domestic water source			
<50 ft	yes	<200' horiz	20	20
<50 - 99	no	200 - 1000' horiz	10	10
>100 ft		>1000' horiz.	0	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: 6-8-93

Full Excavation:

Maximum Extent Practicable

ENCOUNTERED GW 30" FROM SURFACE

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

Groundwater Encountered:

Yes ☒No ☐

If yes, approximate depth:

2 1/2'

Groundwater Sampling?

☒ Yes☐ No

Where was gw sample taken?

IN DHP PIT AREA ON SE CORNER

Attach GW Sample Results

NOTES:

REMEDATION PROFILE

Soil Treated Onsite ☐

Date Remediation Started: 10-25-93

☒ In Situ Bio

☐ w/vapor venting

☐ Landfarmed

☐ Composted

Date: 10-25-93	Description	Amount/Rate	Date:	Description	Amount/Rate
Tilled	TURNED SOIL TO 3' w/ BACKhoe				
Nutrients	FERTILOME 25-4-4	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 CLOSURE

BTEX: 91 ppm (From Headspace Analysis)

TPH: 71 ppm (From Lab Results)

Revegetated:

yes ☐

no ☐

Active Well or Facility Pad:

yes ☐

no ☐

NOTES: 10-9-93 - EXCAVATED PIT AREA, PULLED TPH SOIL SAMPLE -
 TPH - BTEX WITH SAMPLES. LAB RESULTS INDICATE ND ON BTEX FOR WTR.
 10-25-93 - TURNED SOIL TO 3' IN CONTAMINATED AREA, FERTILIZED WITH 20#. AREA
 EXCAVATED 35' X 15' X 3' - CHASED CONTAMINATION NW FROM PIT AREA, BEARING
 TOWARD CONTAMINATED AREA. 9-22-94 - RAN 5 FT. TPH COMPOSITE - 00M
 ASSESSMENT. FOUND 00M - TPH ANALYSIS TO BE BELOW REQUIRE-
 MENTS.

14M2

9-22-94 - PULLED SAMPLES FOR OUA & TPH ANALYSIS. OUA &

TPH ANALYSIS BELOW REQUIREMENT, PREPARE TO CLOSE PIT.

12-21-94 - CLOSED PIT, CONTOURED & SEEDED P/A LOCATION.

NOTES:

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PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

LOCATION OF PIT		Salmon 1		TYPE OF PIT:		DHP 1			
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	6-8-93
LOCATION OF SAMPLE		DHP 1	NW OF PIT	NW OF PIT	NW OF PIT	NORTH OF PIT	NE OF PIT	EAST OF PIT	SOUTHWEST
TYPE OF SAMPLE:		DHP 1	DHP 1	DHP 1	DHP 1	DHP 1	DHP 1	DHP 1	DHP
(GRAB/COMPOSITE)		SOIL COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
DEPTH OF SAMPLE(S)		2 1/2'	2 1/2'	2 1/2'	2 1/2'	2 1/2'	2 1/2'	2 1/2'	2 1/2'
TEMPERATURE OF SAMPLE		70°	69°	72°	72°	71°	67°	68°	
FIELD METHOD RESULTS (PPMS)									
TPH VAPORS (EQUIV UNITS)		230	518	13	4	0	2	25	3
BENZENE RESPONSE FACTOR		.47	.47	.47	.47	.47	.47	.47	.47
ADJUSTED FOR BENZENE EQUIV UNITS		108	243	4	2	0	1	12	1
LAB RESULTS IN PPM:									
METHOD (418.1 OR MOD 8016)									
TPH									
NOTES		PULLED TPH SOIL SAMPLE PULLED TPH/ BTEX WTR SAMPLE, PULLED WTR SAMPLE FROM SE CORNER OF PIT AREA ON DOWN GRADIENT SIDE. BTEX AND							

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

LOCATION OF PIT Salmon 1 TYPE OF PIT: DHP 1

DESCRIPTION OF SAMPLE	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	9/22/94								
LOCATION OF SAMPLE	DHP #1								
TYPE OF SAMPLE: (GRAB/COMPOSITE)	SPT Composite								
DEPTH OF SAMPLE(S)	0-3								
TEMPERATURE OF SAMPLE	76°								
FIELD METHOD RESULTS (PPMS)									
TPH VAPORS (EQUIV UNITS)	193								
BENZENE RESPONSE FACTOR	.47								
ADJUSTED FOR BENZENE EQUIV UNITS	91								
LAB RESULTS IN PPM: METHOD (418.1 OR MOD 8015)	418.1								
TPH	71								
NOTES	Performed Assessment								

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1Conoco Inc.

Project: Soil TPH
Matrix: Soil
Condition: Intact/Cool

Date 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 Schauer

Reviewed: JP