DEPOSITO 329 INSFECTOR

DEC & Signar

Meter Number:71720
Location Name:FANNIN #1
Location:TN-29 RG-10
SC-07 UL-B
2 - Federal
NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

PECENVED N APR 14 1097 D ODL GODG, DAM DIST. 3

KATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN THE SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone 10^{-9} to 10^{-13} cm/sec Shale 10^{-12} to 10^{-16} cm/sec Clay 10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.



FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 71720 Location: FANNIN #1 Operator #: 2999 Operator Name: MERIDIAN P/L District: Bloomfield Coordinates: Letter: B Section 7 Township: 29 Range: 10 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 5.2.94 Area: 10 Run: 73					
NMOCD Zone: Cand Type: BLM (1) State (2)						
Z.	Remarks : ONLY PIT ON LOCATION, PIT IS DRY, REDLINE AND TOPO CONFIRMED					
REMARKS	LOCATION TO BE OUTSIDE THE V.Z.					
RE	Push in					

Date

FIELD 'IT REMEDIATION/CLOSUF" FORM

GENERAL	Meter: 71720 Location: Famin #1 Coordinates: Letter: B Section 7 Township: 29 Range: 10 Or Latitude Longitude Longitude Date Started: 6-0-94 Area: 10 Run: 73
FIELD OBSERVATIONS	Sample Number(s): \(\frac{\fr
CLOSURE	Remediation Method: Excavation
	Envirotech (1) (3) Tierra Other Facility (2) Name: Pit Closure Date: Pit Closed By: BEZ
REMARKS	Remarks: Effily ine Mailles Soudstane 10
	Signature of Specialist: <u>Vale Wheen</u> (SP3191) 04/07/94

-2-



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID		
SAMPLE NUMBER:	VW 191	945430		
MTR CODE SITE NAME:	71720	N/A		
SAMPLE DATE TIME (Hrs):	10-10-94	0955		
SAMPLED BY:	N/A			
DATE OF TPH EXT. ANAL.:	6-13-94	6/13/94		
DATE OF BTEX EXT. ANAL.:	NIA	~/A		
TYPE DESCRIPTION:	V (y	Ut Gren time Sand		
				

	RESUI	TS

REMARKS:

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE	· <u>-</u>	MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	<10	MG/KG			2.09	28
HEADSPACE PID	221	PPM				
PERCENT SOLIDS	90.6	%				

- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -

he Surrogate Recovery was at

AIN

% for this sample All QA/QC was acceptable.

larrative:

F = Dilution Factor Used

7/14/44

************************ Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil Ferkin-Elmer Model 1600 FT-IR 74/06/13 12:26 Pample identification 145/20 Taitiel mass of sample, g Volume of wample after extraction, mi Tabnelaum ivzinodarec i ppm uzo zoz Not were of histomianizme (1750 for) i Permulakan biri bir inganggan permua 777**2**77H

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