DEC 3 0 1997

Meter Number:87823 Locagion Name: SAN JUAN 29-5 UNIT #65

Location: TN-29 RG-05

SC-28 UL-N 2 - Federal

NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

RATIONALE 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:

10⁻⁹ to 10⁻¹³ cm/sec 10⁻¹² to 10⁻¹⁶ cm/sec 10⁻¹² to 10⁻¹⁵ cm/sec Sandstone Shale Clay

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 FORMEL PASSIFIED SE

GENERAL	Meter: 87823 Location: SAN JUAN 29-5 UNIT #65 Operator #: 7035 Operator Name: PHILLIPS P/L District: BLOCAFFELD Coordinates: Letter: N Section 28 Township: 29 Range: 5 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: S-13-94 Area: 10 Run: 61			
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside (2) Maps) Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls it less than 200 ft from a private domestic water source? Horizontal Distance to Surface Water Body Less Than 1000 Ft (10 points) Greater Than 1000 Ft (10 points) (1) 200 Ft to 1000 Ft (10 points) (2) Greater Than 1000 Ft (20 points) (3) Name of Surface Water Body (Surface Water Body: Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)			
	Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only) (2) > 100' TOTAL HAZARD RANKING SCORE: POINTS			
RKS	Remarks :			
REMARKS				
<u> </u>	1 (SP3190) 04/08/94			

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 87823 Location: Son Juny 285 Unit #65 Coordinates: Letter: M. Section 28 Township: 29 Range: 5 Or Latitude Longitude Date Started: 6-17-94 Area: 10 Run: 64			
FIELD OBSERVATIONS	Sample Number(s): \(\frac{\psi_{\sut_{\psi_{\psi_{\seti_{\psi_{\psi_{\psi_{\psi_{\psi_{\psi_{\psi_{\psi_{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny{\tiny}}\tiny{\			
CLOSURE	Soil Disposition: Envirotech (1) (3) Tierra Other Facility (2) Name: Pit Closure Date: 6.17-94 Pit Closed By: FLI			
DAGAMAG	Remarks: H.t. sandstove at 4' sample depth, Internatives on bact and Signature of Specialist: Walk July 1947			

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 217	945472
MTR CODE SITE NAME:	97823	N/A
SAMPLE DATE TIME (Hrs):	11-17-44	1525
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	6-20-94	6/20/94
DATE OF BTEX EXT. ANAL.:	N 174	N/A
TYPE DESCRIPTION:	V G	Grey fine sand of alan
1112 32331111 1333		

REMARKS:

RESULTS

PARAMETER	RESULT UNITS	UNITS	QUALIFIERS			
PARAMICIEN		DF	Q	M(g)	V(ml)	
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	1800	MG/KG			2.12	38
HEADSPACE PID	190	PPM				
PERCENT SOLIDS	93.3	%			<u></u>	

	TPH is by EPA Metho			DA SSORRA	8020 -
_	TOM is by FPA Metho	11 4 18 1 and BIEA (3 DY C	LY MEDIO	OOTO -

The Surrogate Recovery was at	NA	_% for this sample	All QA/QC was acceptable.
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Narrative:

Test Method for

Dil and Grease and Petroleum Hydrocarbons
in Water and Soil

Perkin-Elmer Model 1600 FT-IR

Analysis Report

10/06/20 11:47

Pample identification

Taber of sample g

Lilume of sample after extraction, mi

To:00

Fabroleum hydrocarbons, com

Estroleum hydrocarbons, com

Estroleum hydrocarbons (2930 cm-1)

1.140

