Asimo 2. Thur Bentrolagas accorda

DEC 8 0 1837

1200-

Meter Number: 75799
Location Name: FLORANCE #86
Location: TN-29 RG-09
SC-26 UL-D
2 - Federal
NMOCD Zone: OUTSIDE

Hazard Ranking Score:00

OIL GON. D Dist. 3

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:

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 ELPASOFIELD SERVICES

GENERAL	Meter: 75799 Location:FLORANCE #86 Operator #: 0203					
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside (2) Indian Depth to Groundwater Less Than 50 Feet (20 points) Total Hazard Ranking Score: Land Type: BLM (1) State (2) State (2) State (2) State (2) State (2) Indian Depth to Groundwater (1) (2) (3) Wellhead Protection Area: Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; Is it less than 200 ft from a private domestic water source? (1) YES (20 points) (2) NO (0 points) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (2) Greater Than 1000 Ft (10 points) (2) Greater Than 1000 Ft (0 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:					
K.S.	TOMIN					
REMARKS	Remarks: ONLY PIT ON LOCATION, PIT IS DRY, LOCATION IS ON TOP OF A HILL. REQUIRE AND TOPO CONFIRMO LOCATION TO BE OUTSIDE V.Z.					
RE	PCISH IN					
	1 IMIT /N					

-1-

(SP3190) 04/08/94

77	ORIGINAL PIT LOCATION Original Pit : a) Degrees from North <u>196°</u> Footage from Wellhead <u>79'</u> b) Length : <u>14'</u> Width : <u>14'</u> Depth : <u>2'</u>
ORIGINAL PIT LOCATION	no la company de
	Remarks: Took Pictures at 1:45 f.m. End Dump
REMARKS	
	Completed By: 5.13.94 Signature Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 7579 Location: FIORANCE # 86 Coordinates: Letter: D_ Section 26 Township: 29 Range: 9 Or Latitude Longitude Date Started: 7-18-94 Run: 13 22
FIELD OBSERVATIONS	Sample Number(s): MK 153 Sample Depth: 12 Feet Final PID Reading 210 PID Reading Depth 12 Feet Yes No Groundwater Encountered \(\boxed{\omega} \) Approximate Depth \(-\boxed{\omega} \) Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: Epul lines Marked Soil Gray Slight Hyprocorbon odor Signature of Specialist: Morgan Xillian



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	MK 153	945707
MTR CODE SITE NAME:	75799	N/A
SAMPLE DATE TIME (Hrs):	7/18/94	1524
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	7/19/94	7/19/04
DATE OF BTEX EXT. ANAL.:	n t	NIA
TYPE DESCRIPTION:	\ F	Branch

R	F	N	14	۱R	K	S	•
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RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			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)	9490	MG/KG			.510	28
HEADSPACE PID	210	PPM				
PERCENT SOLIDS	85.9×2 del	%				

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

ne	Surrogate	Recovery	was	at
	adirea.			

ALG

% for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

0 8

8/8/91

94/07/19 15:52

Sample identification 745707

Initial mass of sample, g

Volume of sample after extraction, ml 18.000

Petroleum hydrocarbons, ppm 9492.717

Net absorbance of hydrocarbons (2930 co-1). .304

