DITUMELLA SILLA SI

Meter Number: 94262
Location Name: SAN JUAN 31-6 #7A
Location: TN-30 RG-07
SC-01 UL-O
2 - Federal
NMOCD Zone: OUTSIDE
Hazard Ranking Score: 00

RECEIVED N APR 1 4 1997

OIL GOM. DIV. 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.

BPP9~

FIELD PIT SITE ASSESSMENT FORM PASOFFELD SERVICES

GENERAL	Meter: 94262 Location:SAN JUAN 31-6 #7A Operator #: 7025 Operator Name: Phillips P/L District: Bloomfield Coordinates: Letter: O Section Township: 30 Range: 7 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 6.6.94 Area: 10 Run: 82					
SITE ASSESSMENT	NMOCD Zone: (From NMOCD State (2) Maps Inside (1) Fee (3) Outside (2) Indian Depth to Groundwater Less Than 50 Feet (20 points) (1) 50 Ft to 99 Ft (10 points) (2) Greater Than 100 Ft (0 points) (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) (1) 200 Ft to 1000 Ft (10 points) (2) Greater Than 1000 Ft (10 points) (2) Greater Than 1000 Ft (10 points) (2) Greater Body (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					
KS.	Remarks : ONLY PIT ON LOCATION. PIT IS DRY. LOCATION IS MORTH OF					
REMARKS	THE SIMS HOLY. REDUNE AND TOPO CONFIRMED LOCATION IS OUTSIDE V.Z.					
RE	Push /N 1 (Sp3190) 04/08/94					

	ORIGINAL PIT LOCATION
ORIGINAL PIT LOCATION	Original Pit : a) Degrees from North <u>270°</u> Footage from Wellhead <u>45′</u> b) Length : <u>25′</u> Width : <u>24′</u> Depth : <u>5′</u>
	25' 45' WELLIEAD 270
REMARKS	Remarks: TOOK PICTURES AT 1:38 P.M. END DUMP
	Completed By:
	Local Champson 6.6.94
l	Signature Date

FILD PIT REMEDIATION/CLOS. E FORM

GENERAL	Meter: 94262 Location: SAN JUST 31-6 #7A Coordinates: Letter: O Section I Township: 30 Range: > Or Latitude Longitude Date Started: 7-12-94 Area: 10 Run: 32
FIELD OBSERVATIONS	Sample Number(s): Feet Sample Depth: Feet Finc PID Reading PID Reading Depth Feet Yes No Groundwater Encountered [(1) [(2) Approximate Depth Feet
CLOSURE	Soil Disposition: Envirotech (1) (3) Tierra
REMARKS	Other Facility (2) Name: Pit Closure Date: 7-12-94 Pit Closed By: BET Remarks: EpNG lines Marked light Brown strong Hyprocente odor Hit Sand stone 5'
L	Signature of Specialist: Morgan Xillion (SP3191) 04/07/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab IU		
SAMPLE NUMBER:	m15/19	945643		
MTR CODE SITE NAME:	94262	N/A		
SAMPLE DATE TIME (Hrs):	7-12-94	1106		
SAMPLED BY:	N/A			
DATE OF TPH EXT. ANAL.:	7-14-94	7/14/94		
ATE OF BTEX EXT. ANAL.:	NA	N N		
TYPE DESCRIPTION:	V (=	Brain Sand Clay		

REMARKS:	

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
, Allaina . a			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)	570	MG/KG			2,14	28
HEADSPACE PID	508	PPM				
PERCENT SOLIDS	88.6	%				

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

The Surrogate Recovery was at Narrative:

NA

% for this sample All QA/QC was acceptable.

)F = Dilution Factor Used

1/11/11

Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil

Perkin-Elmer Model 1600 FT-IR Analysis Report

13/07/14 10:32

Barple identification 74:7645

inah at mass of sample, g

filing of sample after extraction. Al m jāc

Retroleum hydrodarbons. ppm



