OAS 3/13/84

EPA POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION: 6

SITE NUMBER (to be assigned by HQ): TX 10979

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

TXD010794097

A. SITE NAME: Union Oil Co. of California - Beaumont

B. STREET (or other identifier): FM 366 - north side, near SH 347

C. CITY: Nederland

D. STATE: TX

E. ZIP CODE: 77627

F. COUNTY NAME: Jefferson

G. OWNER/OPERATOR (if known)

1. NAME: Union Oil Co. of California

C.O. Burch, Supt. Environ. Services
P.O. Box 237
Nederland, TX 77627

2. TELEPHONE NUMBER: (409)724-3225

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

Petroleum refinery

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

CERCLA notification

K. DATE IDENTIFIED (mo., day, & yr.): 6/4/81

L. PRINCIPAL STATE CONTACT

1. NAME: Daniel L. Scheppers, TDWR

2. TELEPHONE NUMBER: (512)475-1344

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☒ 3. LOW ☐ 4. NONE ☐ 5. UNKNOWN

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED (no hazard)

☒ 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

SUPERFUND FILE
MAR 05 1992
REORGANIZED

C. PREPARER INFORMATION

1. NAME: Robert Davis, Engineering-Science

2. TELEPHONE NUMBER: (512)477-9901

3. DATE (mo., day, & yr.): 1/4/84

III. SITE INFORMATION

A. SITE STATUS

☒ 1. ACTIVE (These industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☐ 2. INACTIVE (These sites which no longer receive wastes.)

☐ 3. OTHER (specify): (These sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES (specify generator's four-digit SIC Code): 2911,2865,2951,2992

C. AREA OF SITE (in acres): 10

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (deg.-min.-sec.): 30° 00' 00"

2. LONGITUDE (deg.-min.-sec.): 93° 38' 45"

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES (specify): No buildings directly over former disposal areas, but buildings are located elsewhere on the site.

REVIEWED BY AEGN DATE

T2070-2 (10-79)

Continue On Reverse

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IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION	X	1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

SFN indicated that two disposal pits for leaded tank bottoms and one landfill were used from 1923 to 1973 and 1969, respectively. The facilities have been closed but are now covered by an active 31-acre disposal pond (depth 5-1/2 feet) The TDWR SW Registration indicates that wastes disposed at the active pond include Class I (see Attachment A)

V. WASTE RELATED INFORMATION

A. WASTE TYPE

[X] 1. UNKNOWN [ ] 2. LIQUID [ ] 3. SOLID [ ] 4. SLUDGE [ ] 5. GAS

B. WASTE CHARACTERISTICS

[X] 1. UNKNOWN [X] 2. CORROSIVE [ ] 3. IGNITABLE [ ] 4. RADIOACTIVE [ ] 5. HIGHLY VOLATILE
[ ] 6. TOXIC [ ] 7. REACTIVE [ ] 8. INERT [ ] 9. FLAMMABLE

[X] 10. OTHER (specify): Weathered (rendered inorganic) leaded tank bottom sludge

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

TDWR Part A application indicated quantities.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT 1,020,000	AMOUNT None	AMOUNT None	AMOUNT Unknown	AMOUNT 1,090,000	AMOUNT Unknown
UNIT OF MEASURE lbs	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE lbs	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	X (2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
X (5) OTHER (specify): Leaded tank bottom sludge			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify): Also 3,225,000 lbs of spent poly catalyst.	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

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V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Metals from spent poly catalyst and leaded tank sludge.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER	X			
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continue On Reverse

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VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

TX 0002909

- [X] 1. NPDES PERMIT
- [ ] 2. SPCC PLAN
- [X] 3. STATE PERMIT (specify): TDWR SW 30001 and WQ 00316
- [X] 4. AIR PERMITS
- [ ] 5. LOCAL PERMIT
- [ ] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [X] 8. RCRA TREATER
- [X] 9. RCRA DISPOSER EPA ID No. TXD 010794097
- [X] 10. OTHER (specify): Army Corps of Engineers No. 14111

B. IN COMPLIANCE?

- [X] 1. YES
- [ ] 2. NO
- [ ] 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number):

VIII. PAST REGULATORY ACTIONS

- [ ] A. NONE
- [X] B. YES (summarize below)

Enforcement letter from TDWR on 8/25/82 outlining decifiencies revealed during SW inspection.

IX. INSPECTION ACTIVITY (past or on-going)

- [ ] A. NONE
- [X] B. YES (complete items 1,2,3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
SW compliance inspection	6/30/82 & 7/6/82	TDWR	Several deficiencies noted.
RCRA GWM inspection	7/21/82	EPA	In compliance.

X. REMEDIAL ACTIVITY (past or on-going)

- [X] A. NONE
- [ ] B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (*Section II*) information on the first page of this form.

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-2.

Corresponding number on form	Additional Remark and/or Explanation
III-A	Plant is active but disposal sites identified on SFN are inactive.
IV-E	wastes (API Separator sludge, slop oil emulsion solids, spent treating clay, spent catalyst) and Class III wastes. The TDWR Part A application (1980) reported that the active site contains approximately 675,000,000 lbs of sludge. The Part A also indicated that the inactive landfill contained 1,090,000 lbs of asbestos and 3,225,000 lbs of spent polycatalyst (D002 or D003) in 67,000,000 lbs of total wastes, and the inactive disposal pits contained 1,020,000 lbs of weathered TEL sludge (K052). Closure plans at the subject site include landfarming all sludge from the active 31-acre disposal pond. The site is bounded to the north by the Neches River and surrounded by other refineries. Hydrogeologic data in the file indicated that thick deposits of clay underlie the site. Groundwater monitoring wells are in place around the active disposal pond (since 1981) under RCRA guidelines, and data in the file indicated that as of September 1982, no parameters except turbidity had exceeded drinking water standards. However, file records also show that the wells are screened through two or three aquifers, allowing for the possibility of dilution of contaminants present in the uppermost aquifer. TDWR and EPA have approved the GW monitoring system based on the belief that statistical differences in quality between new and background data will be detected even with dilution. The plant is subject to annual SW disposal compliance monitoring inspections by TDWR. A windshield survey of 12/27/83 revealed no new information because of limited access. A site inspection is recommended to further review plant records regarding the inactive disposal facilities and to determine the current status of groundwater quality in the area.

Photographer / Witness

Bob Davis 10979

Date / Time / Direction

12-27-83 / 12 noon / North

Comments: Plant Entrance from FM 366

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

Date / Time / Direction

Comments: