REVIEWED BY: _____

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by Hq)
6	OKD01686

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms 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

A. SITE NAME: Texaco Inc.- Soil Farm

B. STREET (or other identifier): 902 W. 25th Parts of Sect. 13, 14 & 23 T19N, R12E *

C. CITY: Tulsa

D. STATE: OK

E. ZIP CODE: 74101

F. COUNTY NAME: Tulsa

G. SITE OPERATOR INFORMATION

1. NAME: Texaco Inc. - West Tulsa Plant

2. TELEPHONE NUMBER: (918) 743-5311

3. STREET: 902 W. 25th

4. CITY: Tulsa

5. STATE: OK

6. ZIP CODE: 74101

H. REALTY OWNER INFORMATION (if different from operator of site)

1. NAME: Same

2. TELEPHONE NUMBER:

3. CITY:

4. STATE:

5. ZIP CODE:

I. SITE DESCRIPTION: Oil Refinery Soil farming operation

J. TYPE OF OWNERSHIP

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

185096

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.): 8/27/80

B. APPARENT SERIOUSNESS OF PROBLEM

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

C. PREPARER INFORMATION

1. NAME: Gary McDonald

2. TELEPHONE NUMBER: (405) 271-5338

3. DATE (mo., day, & yr.): 8/7/80

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME: Gary McDonald

2. TITLE: Field Inspector

3. ORGANIZATION: State - OSDH - Industrial Waste Div.

4. TELEPHONE NO. (area code & no.): (405) 271-5338

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
None		

C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Bill Clark	Sr. Project Engineer (918) 743-5311 West Tulsa Plant Texaco Co.	P.O. Box 2389 Tulsa, OK. 74101

* E/2, SW/4 & SE/4 of Sect. 14; & E/2, NW/4 & NE/4 of Sect 23; & Lots 5 & 6 Sect 13 less right of ways & easements all in T19N, R12E

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Continued From Front

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WA .E TYPE GENERATED
Texaco Inc.	Same	Same	Refinery wastes

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
Same	Same	—	—

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
USPCI	(918) 245-4139	101 W. 71st St. S. Tulsa OK.

G. DATE OF INSPECTION (mo., day, & yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
3/6/80	1000	☒ 1. PERMISSION ☐ 2. WARRANT

J. WEATHER (describe)

Clear hot 107°F Humid

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER			
b. SURFACE WATER			
c. WASTE		N/A	
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
	N/A	

 Continue On Page 3

Continued From Page 2

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS: N/A
   - [ ] a. GROUND
   - [ ] b. AERIAL

2. PHOTOS IN CUSTODY OF: N/A

D. SITE MAPPED?

- [X] YES. SPECIFY LOCATION OF MAPS: Industrial Waste Division Permit Files OSDH Rm 803

E. COORDINATES

1. LATITUDE (deg.-min.-sec.): 36° 7' 28"
2. LONGITUDE (deg.-min.-sec.): 95° 59' 45"

V. SITE INFORMATION

A. SITE STATUS

- [X] 1. ACTIVE (Those inductrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)
- [ ] 2. INACTIVE (Those sites which no longer receive wastes.)
- [ ] 3. OTHER (specify): _____ (Those 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
- [X] 2. YES (specify generator's four-digit SIC Code): 2911

C. AREA OF SITE (in acres): 480

D. ARE THERE BUILDINGS ON THE SITE?

- [ ] 1. NO
- [X] 2. YES (specify): Refinery bldgs & sheds

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

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

- [ ] 1. STORAGE
- [ ] 2. INCINERATION
- [ ] 3. LANDFILL
- [ ] 4. SURFACE IMPOUNDMENT
- [ ] 5. DEEP WELL
- [ ] 6. CHEM/BIO/PHYS TREATMENT
- [X] 7. LANDFARM
- [ ] 8. OPEN DUMP
- [ ] 9. TRANSPORTER
- [ ] 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

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

B. WASTE CHARACTERISTICS

- [X] 1. CORROSIVE
- [ ] 2. IGNITABLE
- [ ] 3. RADIOACTIVE
- [ ] 4. HIGHLY VOLATILE
- [X] 5. TOXIC
- [ ] 6. REACTIVE
- [ ] 7. INERT
- [X] 8. FLAMMABLE
- [ ] 9. OTHER (specify): _____

C. WASTE CATEGORIES

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

yes manifests

Continue On Reverse

Continued From Front

WASTE RELATED INFORMATION (continued)

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	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	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	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL
X (5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
See Attached List Labeled L-1			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)

1. SUBSTANCE	2. FORM (mark 'X')			3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
Tetraethyl Lead	X	X		X				000078002	unknown	
Zinc chromate	X	X		X				001328672	"	

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

N/A

 Continue On Page 5

• Continued From Page 4

VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE

Warning Signs are posted

☒ C. WORKER INJURY/EXPOSURE

(Supposedly) workers wear Respirators and Rubber gloves to provide protection.

☐ D. CONTAMINATION OF WATER SUPPLY

N/A

☐ E. CONTAMINATION OF FOOD CHAIN

N/A

☒ F. CONTAMINATION OF GROUND WATER

possible from metals leaching down through permeable soil to ground water. Soil is sandy loam and groundwater is at 8-15 feet.

☐ G. CONTAMINATION OF SURFACE WATER

Site Runoff is contained on site by dikes.

Continue On Reverse

Continued From Front

VIII. HAZARD DESCRIPTION (continued)

☐ H. DAMAGE TO FLORA/FAUNA

N/A

☐ I. FISH KILL

N/A

☒ J. CONTAMINATION OF AIR

possible from hydrocarbon odor

☒ K. NOTICEABLE ODORS

slight hydrocarbon odor

☒ L. CONTAMINATION OF SOIL

possible by heavy metals and oil

☐ M. PROPERTY DAMAGE

N/A

Continue On Page 7

Continued From Page 6

VIII. HAZARD DESCRIPTION *(continued)*

☐ N. FIRE OR EXPLOSION

N/A

☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

N/A

☐ P. SEWER, STORM DRAIN PROBLEMS

N/A

☐ Q. EROSION PROBLEMS

N/A

☐ R. INADEQUATE SECURITY

N/A

☐ S. INCOMPATIBLE WASTES

N/A

Continue On Reverse

VIII. HAZARD DESCRIPTION *(continued)*

☐ T. MIDNIGHT DUMPING

N/A

☐ U. OTHER *(specify)*:

N/A

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE *(specify units)*
1. IN RESIDENTIAL AREAS	unknown	unknown	—	—
2. IN COMMERCIAL OR INDUSTRIAL AREAS	unknown	unknown	—	—
3. IN PUBLICLY TRAVELLED AREAS	"	"	"	"
4. PUBLIC USE AREAS *(parks, schools, etc.)*	"	"	"	"

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER *(specify unit)*	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
8-15 feet	SE	None
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY** *(specify unit of measure)*	**F. DIRECTION TO DRINKING WATER SUPPLY**
200+ gpm	N/A	N/A

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY <15 CONNECTIONS* ☐ 2. COMMUNITY *(specify town)*: >15 CONNECTIONS N/A

☐ 3. SURFACE WATER ☐ 4. WELL

Continue On Page 9

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA (continued)

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COMMUNITY (mark 'X')	5. COMMUNITY (mark 'X')
		N/A		

I. RECEIVING WATER

1. NAME: Arkansas River

☐ 2. SEWERS ☒ 3. STREAMS/RIVERS ☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

Recreation, fishing, Wildlife propagation, NPDES Discharges

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☐ C. 100 YEAR FLOOD PLAIN levee restricting ☐ D. WETLAND

☐ E. A REGULATED FLOODWAY outside levee of ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK (specify below)	'X'	C. OTHER (specify below)
X				X	
X	1. SAND			X	Fine sandy loam top soil
	2. CLAY			X	Silty loam layers
	3. GRAVEL				

XIII. SOIL PERMEABILITY

☐ A. UNKNOWN ☐ B. VERY HIGH (100,000 to 1000 cm/sec.) ☒ C. HIGH (1000 to 10 cm/sec.)

☒ D. MODERATE (10 to .1 cm/sec.) Natural soil ☐ E. LOW (.1 to .001 cm/sec.) ☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA unknown

☐ 1. YES ☐ 2. NO 3. COMMENTS:

H. DISCHARGE AREA unknown

☐ 1. YES ☐ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE: 10%

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.: E-SE - mostly graded level

J. OTHER GEOLOGICAL DATA

Site is located outside of River levee (regulated floodway)

 Continue On Reverse

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UNKNOWN
None	—	—	—	—		X	

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☒ NONE ☐ YES *(summarize in this space)*

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

LAND FARM SITE INSPECTION REPORT
(Supplemental Report)

Texaco West Tulsa

INSTRUCTION
Answer and Explain as necessary.

1. STATE PERMIT
☐ YES ☒ NO

2. AREA *(Dimensions of Site)*
Soil farming is scattered over 480 ACRES (actual dimension unknown

3. APPLICATION RATE
3 inches per year or less

4. IMPROPER DISPOSAL OF UNAUTHORIZED MATERIALS IN LAND FARM
☐ YES ☒ NO

5. DIVERSION STRUCTURES ARE EFFECTIVELY CONSTRUCTED AND PROPERLY MAINTAINED
☒ YES ☐ NO

6. EVIDENCE OF PONDING OF LIQUID ON SITE
☒ YES ☐ NO 1 Area in cooling tower sludge bed

7. ODORS *(especially hydrogen sulfide) (If YES, indicate)*
☐ YES ☒ NO
very slight hydrocarbon odor in spots

8. GENERAL PHYSICAL APPEARANCE OF SOIL *(Color, Sand/Silt/Clay Content)*
very fine sand - light tan to white
light brown to dark brown in well used areas
somes patches of black oily soil

9. VEGETATION ON LAND FARM
Bermuda grass and weeds. Some patches bare and oily. Rainfall has been inadequate.

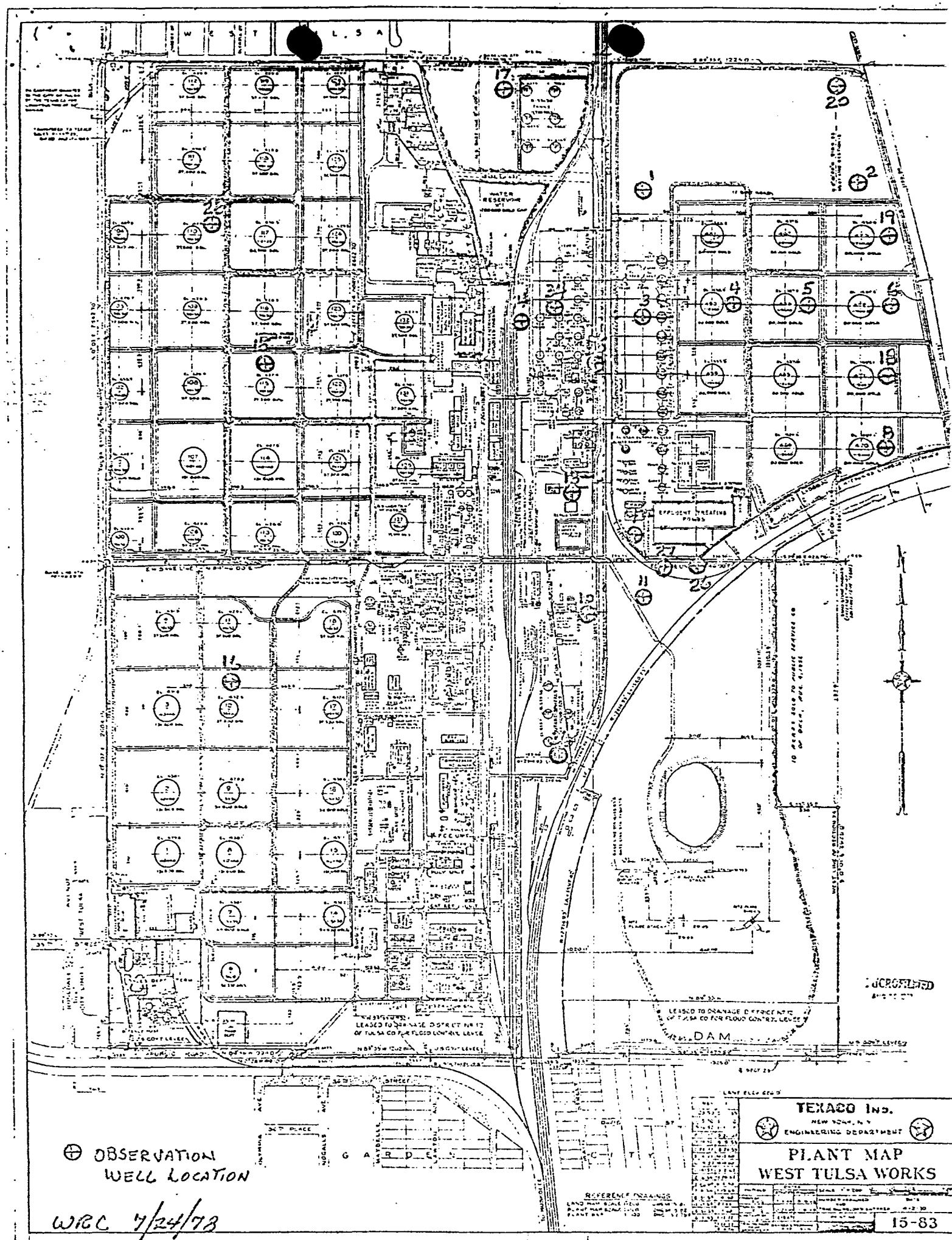
10. pH
unknown
no testing

EPA Form T2070-3A (10-79)

L-1

Condensed Inventory (Continuted)

	Waste Code (for OSDH use only)	Waste Classification or Generic Name, and Source	Physical Form	Weight % Liquids	Monthly or Yearly Volume	On-site Storage Facilities	Hauler License Number	Disposal Site Permit Number
6	561901 ~~754717~~	TETRAETHYL LEAD SLUDGE - TANK CLEANING	LIQUID	90%	2,000 gal./yr.	NONE LEAD SLUDGE AREA		
7	754717	CATALYSTS, COKE, & CLAY - PROCESSES	SOLID	0	267,000 lbs./yr.	NONE OILY SLUDGE AREA		
8	503301	PETROLEUM WASTES (TANK BOTTOMS)	SOLID	65-98%	550,000 gal./yr.	NONE OILY SLUDGE AREA		
9	093307	WASH WATER - PROCESSES	LIQUID	98%	50,000 gal./yr.	NONE OILY SLUDGE AREA		
10	464502	ASPHALTIC TANK BOTTOM SLUDGE	LIQUID	-	4,000 gal./yr.	NONE OILY SLUDGE AREA		
11	464711	COOLING TOWER SLUDGES - PROCESSES	LIQUID	95%	40,000 gal./yr.	NONE COOLING TWR SLUDGES		
12	565101	TANK WATER BOTTOMS	LIQUID	98%	640,000 gal./yr.	Above-Ground Storage Tanks	2004	~~IW7103~~ IW73035
13	464714	PETROLEUM WASTES (WASTEWATER TREATING)	LIQUID	65-98%	1,120,000 gal./yr.	NONE BIO SLUDGE AREA		
14								
15								
16								
17								
18								


TEXACO INC.
ENGINEERING DEPARTMENT
PLANT MAP
WEST TULSA WORKS
15-83
DAM
EFFLUENT TREATING PONDS
WATER RESERVOIR
MICROFILMED
OBSERVATION WELL LOCATION
WRC 7/24/73