8212-4A

EPA

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION	SITE NUMBER (to be assigned by HQ)
6	TX 10316 TX 1465 *

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.

*Note: duplicate site numbers for this facility.

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

A. SITE NAME: ARCO Petroleum Products Company

B. STREET *(or other identifier)*: 12000 Lawndale

C. CITY: Houston

D. STATE: Texas

E. ZIP CODE: 77017

F. COUNTY NAME: Harris

G. OWNER/OPERATOR *(if known)*

1. NAME: TXD082688979 Arthur F. Pope-Mgr., Environmental Policy and Planning

2. TELEPHONE NUMBER: (213) 486-1913

H. TYPE OF OWNERSHIP

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

I. SITE DESCRIPTION Large facility engaged in the refining of petroleum products and production of petrochemicals. The principal products are: LPG, gasoline, kerosene/jet fuel, heating oil, lubricants, petrochemicals (aromatics), sulfur and coke.

J. HOW IDENTIFIED *(i.e., citizen's complaints, OSHA citations, etc.)*: CERCLA notification response TXS 1546; State TDWR files

K. DATE IDENTIFIED *(mo., day, & yr.)*: 8-11-81

L. PRINCIPAL STATE CONTACT

1. NAME: Tom Kearns, Clarence Johnson - TDWR District #7

2. TELEPHONE NUMBER: (713) 479-5981

II. PRELIMINARY ASSESSMENT *(complete this section last)*

A. APPARENT SERIOUSNESS OF PROBLEM

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

RECEIVED MAR 25 1983 SUPERFUND FILE

B. RECOMMENDATION

☐ 1. NO ACTION NEEDED *(no hazard)*

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

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

☐ 4. SITE INSPECTION NEEDED *(low priority)*

JAN 29 1993 REORGANIZED

C. PREPARER INFORMATION

1. NAME: Gerard A. Gallagher III - FIT

2. TELEPHONE NUMBER: (214) 742-6601

3. DATE *(mo., day, & yr.)*: 1-26-83

III. SITE INFORMATION

A. SITE STATUS

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

☒ 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.)*

There are both active and inactive landfills on plant property

B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES *(specify generator's four-digit SIC Code)*:

C. AREA OF SITE *(in acres)*: 9.57 acres

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

1. LATITUDE *(deg.-min.-sec.)*: 29°42'45" N

2. LONGITUDE *(deg.-min.-sec.)*: 95°14'30" W

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES *(specify)*: tanks, chemical process units

REVIEWED BY (GAEGH) DATE 4-15-87

T2070-2 (10-79)

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

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED 26 pits were dug to contain leaded tank bottom material. Some have been excavated and $KMnO_4$ added to breakdown tetra ethyl lead while on weathering slabs. Weathered material used in landfarms at this facility. Two landfills at facility contain dredge material, concrete, API sludge and some acid sludge in NW landfill. Other materials unknown. Three active ponds/lagoons. Three inactive water wells.

V. WASTE RELATED INFORMATION

A. WASTE TYPE

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

B. WASTE CHARACTERISTICS

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

C. WASTE CATEGORIES

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

Unknown

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 Unknown	AMOUNT Unknown	AMOUNT Unknown	AMOUNT Unknown	AMOUNT Unknown	AMOUNT None
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):	X (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): API tank bottoms; cooling tower water treatment.			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			X (9) PCB taken from states preliminary assessment		
			(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). F001, F002 - Spent halogenated solvents, F003, F004, F005 - Spent non-halogenated solvents, refer to CFR 261.31 Hazardous waste from non-specific sources. K049 - slop oil emulsion solids, K050 - Heat exchanger bundle cleaning sludge K051 - API separator sludge, K052 - leaded tank bottoms.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE. Some well monitoring data provided to State (TDWR). According to Clarence Johnson, TDWR, some lead waste pits were dug up. Which pits were dug up, and how many, is not known. Composition of landfills is not entirely known. Both are in proximity to Houston Ship Channel. A FIT inspection is recommended

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				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
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): Insufficient data to provide complete hazard description				

 Continue On Reverse

Continued From Front

VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

See attachment B

- [X] 1. NPDES PERMIT
- [X] 2. SPCC PLAN
- [X] 3. STATE PERMIT (specify): 30092, W.C.O. 00392
- [X] 4. AIR PERMITS
- [ ] 5. LOCAL PERMIT
- [X] 6. RCRA TRANSPORTER
- [ ] 7. RCRA STORER
- [ ] 8. RCRA TREATER
- [X] 9. RCRA DISPOSER
- [ ] 10. OTHER (specify): TXD 082688979

B. IN COMPLIANCE?

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

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

VIII. PAST REGULATORY ACTIONS

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

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
Inspection	1-16-81	TDWR	preliminary assessment
Inspection	1-29-82	TDWR	compliance inspection (RCRA?)
Record search	1-25-83	FIT	obtained information from TDWR files

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

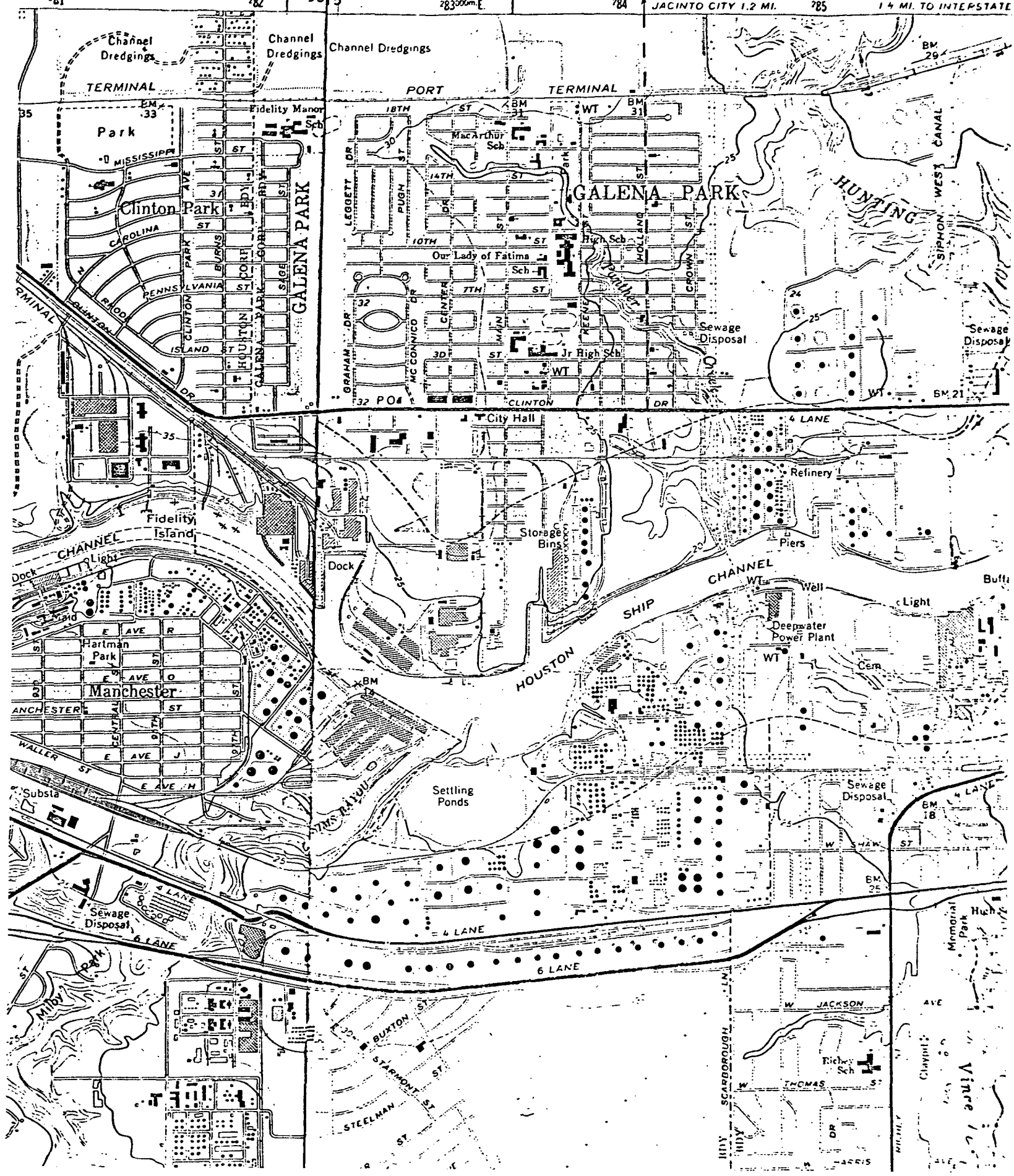
NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment *(Section II)* information on the first page of this form.

Attachment H

PARK PLACE QUADRANGLE
TEXAS-HARRIS CO.
MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

= Arco refinery facility



ATTACHMENT B

ARCO PETROLEUM PRODUCTS COMPANY

A DIVISION OF ATLANTIC RICHFIELD COMPANY

HOUSTON REFINERY

ITEM X. EXISTING ENVIRONMENTAL PERMITS

PERMIT NO.	AGENCY
30092	TDWR
00392	TDWR
13196	USCE
1413 (Potable Water Well)	H-GCSD
1414 " " "	H-GCSD
1415 " " "	H-GCSD
1416 " " "	H-GCSD
C-446	TACB
C-2153	"
C-2151	"
C-2152	"
C-2166	"
C-2167	"
C-2149	"
C-6064	"
C-3677	"
C-7440	"
C-1500	"
C-6065	"
C-6036	"
C-1979	"
C-1149	"
C-2150	"
C-3274	"
C-3844	"
C-5349	"
C-5521	"
C-6702	"
C-7270	"
C-7913	