9792190

8110-16

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by Hq)
6	TX6050

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

TXD008085763

A. SITE NAME	B. STREET (or other identifier)		
CAMERON IRON WORKS - CYPRESS PLANT	22301 Hempstead Hwy.		
C. CITY	D. STATE	E. ZIP CODE	F. COUNTY NAME
Houston	TX	77001	Harris

G. SITE OPERATOR INFORMATION

1. NAME	2. TELEPHONE NUMBER
Cameron Iron Works, Inc. Bruce A. Gautner, Mgr. Environmental Services	(713)939-2293

3. STREET	4. CITY	5. STATE	6. ZIP CODE
P.O. Box 1212	Houston	TX	77001

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

1. NAME	2. TELEPHONE NUMBER
Same	

3. CITY	4. STATE	5. ZIP CODE

I. SITE DESCRIPTION

Steel melting, extruding and forging plant

J. TYPE OF OWNERSHIP

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

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.)

B. APPARENT SERIOUSNESS OF PROBLEM

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

C. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)
Imre J. Sekelyhidi	(214)742-6601	1/8/82

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME	2. TITLE
Imre J. Sekelyhidi	FIT-Environmental Engineer

3. ORGANIZATION	4. TELEPHONE NO. (area code & no.)
Ecology & Environment, Inc., 1509 Main St., Dallas, TX 75201	(214)742-6601

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
Imre J. Sekelyhidi	E&E, Dallas	(214)742-6601
Jeff Surfus	" "	"

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

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
J.M. Haughton	Manufacturing Manager, Melt & Extruded Products (713)939-4201	2301 Hempstead Hwy., Houston, TX 77001 P.O. Box 1212, Houston, TX 77001
Edward Horn	Manager, Safety and Loss Prevention (713)939-2211	13013 NW Freeway, Houston, TX 77001 P.O. Box 1212, Houston, TX 77001
Bruce A. Gautner	Manager Environmental Services (713)939-2293	" "
		(See Attachment)

SUPERFUND FILE

JAN 06 1993

REORGANIZED

REVIEWED BY (GAEGH) DATE 7-8-82

Continued From Front

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Cameron Iron Works, Inc. -Cypress Plant	(713)939-4201	22301 Hempstead Hwy., Houston, TX 77001	Manufacturing wastes from melting, extruding & forging

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
Rollins Environmental Services Inc.	(713)479-6001	P.O. Box 609, Deer Park, TX 77536	Class I & II Wastes from melting & forging plants. PCB's in future.
Sprint Waste Disposal	(713)467-3433	P.O. Box 17529, Houston, TX 77024	General Plant Refuse (See Attach.A)

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
See III E		

G. DATE OF INSPECTION (mo., day, & yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
11/17/81	All Day	[X] 1. PERMISSION [ ] 2. WARRANT

J. WEATHER (describe)

Sunny, 70's

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			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)	X	No samples taken during inspection	

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

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
None		

Continue On Page 3

Continued From Page 2

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS: [X] a. GROUND [ ] b. AERIAL
2. PHOTOS IN CUSTODY OF: U.S. EPA Revion VI - Attached

D. SITE MAPPED?

[X] YES. SPECIFY LOCATION OF MAPS: Attached

E. COORDINATES

1. LATITUDE (deg.-min.-sec.): 29°56"00"N
2. LONGITUDE (deg.-min.-sec.): 95°39'00"W

V. 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 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): 3317, 3462, 3463

C. AREA OF SITE (in acres): 400

D. ARE THERE BUILDINGS ON THE SITE?

[ ] 1. NO [X] 2. YES (specify): Plant Buildings and Office Buildings

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	X	1. PILE	X	1. FILTRATION		1. LANDFILL
	2. SHIP	X	2. SURFACE IMPOUNDMENT		2. INCINERATION	X	2. LANDFARM
	3. BARGE	X	3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND	X	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):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify): *Ponding		

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 form.

[X] 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

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

B. WASTE CHARACTERISTICS

[X] 1. CORROSIVE [X] 2. IGNITABLE * [ ] 3. RADIOACTIVE [ ] 4. HIGHLY VOLATILE
[X] 5. TOXIC [ ] 6. REACTIVE [X] 7. INERT [ ] 8. FLAMMABLE
[ ] 9. OTHER (specify): *Minor quantities of solvents used for degreasing

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

VII. 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 20	AMOUNT None	AMOUNT 3	AMOUNT 15	AMOUNT 26,800	AMOUNT None
UNIT OF MEASURE tons/yr	UNIT OF MEASURE	UNIT OF MEASURE drums/yr	UNIT OF MEASURE drums/yr	UNIT OF MEASURE tons/yr	UNIT OF MEASURE
___ (1) PAINT, PIGMENTS	___ (1) OILY WASTES	___ (1) HALOGENATED SOLVENTS	X (1) ACIDS *	___ (1) FLYASH	___ (1) LABORATORY, PHARMACEUT.
X (2) METALS SLUDGES *	___ (2) OTHER (specify):	X (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
___ (5) OTHER (specify):			___ (5) DYES/INKS	___ (5) NON-FERROUS SMLTG. WASTES	___ (5) OTHER (specify):
*From melting and grinding operations		*Overflow from scrubber (38 gallons/min). Hydrochloric and some nitric acid.	___ (6) CYANIDE	X (6) OTHER (specify): Ferrous wastes from melting, forging and grinding operations (nearly 3/4 of these wastes are slags (18,000 tons/yr) from melting operations, and nearly 1/4 (See Attach. A)	
			___ (7) PHENOLS		
		**The quantity is the total of PCB containing wastes (i.e. capacitors, transformers, etc.)	___ (8) HALOGENS		
			X (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') a. SOLID	b. LIQ.	c. VAPOR	3. TOXICITY (mark 'X') a. HIGH	b. MED.	c. LOW	d. NONE	4. CAS NUMBER	5. AMOUNT	6. UNIT
(See Attached Analyses Results)										
Arsenic	X							7440-38-2	Less than 0.05	ppm
Endrin	X							72-20-8	Less than 0.02	ppm
Mercury	X							7439-97-6	Less than 0.005	ppm
Toxaphene	X							8001-35-2	Less than 0.05	ppm
Cadmium	X							7440-43-9	Less than 0.05	ppm
Chromium	X							7440-47-3	Approx. 1.3	ppm
Lead	X							7439-92-1	Less than 0.1	ppm
Zinc	X							7440-66-6	300+	ppm

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

 Continue On Page 5

Continued From Front

VIII. HAZARD DESCRIPTION (continued)

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☐ K. NOTICEABLE ODORS

☐ L. CONTAMINATION OF SOIL

☐ M. PROPERTY DAMAGE

Continue On Page 7

Continued From Page 4

VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE

☐ C. WORKER INJURY/EXPOSURE

☐ D. CONTAMINATION OF WATER SUPPLY

☐ E. CONTAMINATION OF FOOD CHAIN

☒ F. CONTAMINATION OF GROUND WATER

Potential contamination via unlined conveyance ditches from source (i.e. scrubber) to surface inpoundment; however the plant area is reportedly underlain by over 20' of clay layer. Plans are underway to convey these waters through pipes to the surface impoundment.

☐ G. CONTAMINATION OF SURFACE WATER

Continue On Reverse

Continued From Page 6

VIII. HAZARD DESCRIPTION (continued)

☐ N. FIRE OR EXPLOSION

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

☐ P. SEWER, STORM DRAIN PROBLEMS

☐ Q. EROSION PROBLEMS

☐ R. INADEQUATE SECURITY

☐ S. INCOMPATIBLE WASTES

Continue On Reverse

VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

☒ U. OTHER (specify):

Considerable efforts are evident to comply with environmental requirements and considerations. Therefore, no sampling is recommended for this site.

The potential problem or wastewater conveyance via unlined ditches, however, should be addressed in some manner. The company indicated its intentions to resolve the potential problem by lining/relocating (above ground or underground in pipe system). Recommend that EPA follow-up concerning the execution of plans for lining/relocating the unlined conveyance ditches.

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	0	0	0	1 mile
2. IN COMMERCIAL OR INDUSTRIAL AREAS	600	600	Several within facility	0
3. IN PUBLICLY TRAVELLED AREAS	Heavy traffic on Hwy. 290, adjacent	to site 10,000	None	1/4 mile
4. PUBLIC USE AREAS (parks, schools, etc.)	800 Cypress-Fairbanks Hg.-School	800	8	1/2 mile

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify unit)	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
20-21 ft.	South	Industrial and Domestic
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure)**	**F. DIRECTION TO DRINKING WATER SUPPLY**
*2400 gpm	10 Miles	Southeast

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS** ☒ 2. COMMUNITY (specify town): City of Houston > 15 CONNECTIONS

☒ 3. SURFACE WATER ☒ 4. WELL

 Continue On Page 9

*Gulf Coast Sands Aquifer
**TDWR Report #98

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA (continued)

F. 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')
Domestic Water Well		On-Site		

(See Attachment Entitled: "Waste Management Facility Location." The "Monitoring" well, #1 is Non-Functional).

I. RECEIVING WATER

1. NAME Addicks Reservoir via Horsepen Creek

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

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

No use classification in TDWR's surface water quality standards. (Use classification in the same water shed, San Jacinto River basin for similar upstream lake: Lake Houston, #1002: contact recreation, non-contact recreation, propagation of fish & wildlife,&

XI. SOIL AND VEGITATION DATA (See Attachment A)

LOCATION OF SITE IS IN:

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

☐ E. A REGULATED FLOODWAY ☐ 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	Soils
X	1. SAND	X	Willis Formation: Loam Sediments	X	Katy Fine Sandy Loam
X	2. CLAY	X		X	Arris-Gessner Complex
	3. GRAVEL			X	Gessner Loam

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.) ☒ E. LOW (.1 to .001 cm/sec.) ☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

☐ 1. YES ☒ 2. NO 3. COMMENTS:

H. DISCHARGE AREA

☐ 1. YES ☒ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE: 1%

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.: Southeast

J. OTHER GEOLOGICAL DATA

The soils at this location are characterized by poor drainage, moderate shrink swell, and a clayey underlying layer.

High perched water tables at 20 to 21 feet are common in the area. However, the groundwater usage is restricted to the deeper gulf coast sands at 500 to 700 ft.

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
NPDES	TDWR	TX0042129	9/17/79	9/30/80*	X		
Texas Clean Air Act	TX Air Cont. Bd	**	**	**	Unknown		
RCRA (Generator Only)	U.S. EPA	TXD008085763	8/18/80***		Unknown		

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☒ NONE ☐ YES (summarize in this space)

*Reapplied on 3/13/81; being process by state

**Involves a series of permits "to construct and operate with varying dates of issuance and expirations. Permit numbers: R4813; C-7599; R-1810; R-4084; R-4288; R-4653; R-1089; R-3082; R-3456; R-1810-A; R2668.

*** First Notification

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)

INSTRUCTION
Answer and Explain as necessary.

1. STATE PERMIT
☐ YES ☒ NO

2. AREA *(Dimensions of Site)*
21 acres

3. APPLICATION RATE
20 tons/yr

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

5. DIVERSION STRUCTURES ARE EFFECTIVELY CONSTRUCTED AND PROPERLY MAINTAINED
☐ YES ☐ NO No diversion structures are necessary

6. EVIDENCE OF PONDING OF LIQUID ON SITE
☐ YES ☒ NO

7. ODORS *(especially hydrogen sulfide) (If YES, indicate)*
☒ YES ☐ NO
Slight odor, characteristic of organic decomposition

8. GENERAL PHYSICAL APPEARANCE OF SOIL *(Color, Sand/Silt/Clay Content)*
Light brown, mostly clay

9. VEGETATION ON LAND FARM
Grass

10. pH
Not measured

LANDFILLS SITE INSPECTION REPORT
(Supplemental Report)

Wastewater Sludge & Domestic Waste (Sample Locations #5 & #4)

INSTRUCTION
Answer and Explain as Necessary.

1. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc)*
☐ YES ☒ NO

2. EVIDENCE OF IMPROPER DISPOSAL OF BULK LIQUIDS, SEMI-SOLIDS AND SLUDGES INTO THE LANDFILL
☐ YES ☒ NO

3. CHECK RECORDS OF CELL LOCATION AND CONTENTS AND BENCHMARK
☐ YES ☒ NO

4. WASTES SURROUNDED BY SORBENT MATERIAL
☒ YES ☐ NO

5. DIVERSION STRUCTURES ARE EFFECTIVELY CONSTRUCTED AND PROPERLY MAINTAINED
☐ YES ☐ NO None On-Site

6. EVIDENCE OF PONDING OF WATER ON SITE
☐ YES ☒ NO

7. EVIDENCE OF IMPROPER/INADEQUATE DRAINING
☐ YES ☒ NO

8. ADEQUATE LEACHATE COLLECTION SYSTEM *(If "Yes", specify Type)*
☐ YES ☐ NO None On-Site

8a. SURFACE LEACHATE SPRING
☐ YES ☒ NO

9. RECORDS OF LEACHATE ANALYSIS
☐ YES ☒ NO

10. GAS MONITORING
☐ YES ☒ NO

11. GROUNDWATER MONITORING WELLS
☐ YES ☒ NO

12. ARTIFICIAL MEMBRANE LINER INSTALLED
☐ YES ☒ NO

13. SPECIFIC CONTAINMENT MEASURES *(Clay Bottom, Sides, etc)*
☐ YES ☒ NO

14. FIXATION *(Stabilization)* OF WASTE
☐ YES ☒ NO

15. ADEQUATE CLOSURE OF INACTIVE PORTION OF FACILITY
☒ YES ☐ NO

16. COVER *(Type)*
Native Soil

16a. THICKNESS
Unknown

16b. PERMEABILITY
Moderate

16c. DAILY APPLICATION
☒ YES ☐ NO

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT
Cooling and process water collection ponds (2) (see photo #5)

2. STABILITY/CONDITION OF EMBANKMENTS
Excellent

3. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc.)*
[ ] YES [X] NO

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE
[ ] YES [X] NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT
[X] YES [ ] NO

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT
[ ] YES [X] NO No records are necessary

7. IMPOUNDMENT HAS LINER SYSTEM
[X] YES [ ] NO

7a. INTEGRITY OF LINER SYSTEM CHECKED
[X] YES [ ] NO

7b. FINDINGS
No apparent deterioration

8. SOIL STRUCTURE AND SUBSTRUCTURE
Embankment: Native soil
Substructure: Mostly clay

9. MONITORING WELLS
[ ] YES [X] NO

10. LENGTH, WIDTH, AND DEPTH
LENGTH 100' WIDTH 1,000'(total for two) DEPTH 10'

11. CALCULATED VOLUMETRIC CAPACITY
Approx.10 acre feet

12. PERCENT OF CAPACITY REMAINING
35%

13. ESTIMATE FREEBOARD
4-5'

14. SOLIDS DEPOSITION
[ ] YES [X] NO

15. DREDGING DISPOSAL METHOD
Landfarm

16. OTHER EQUIPMENT

STORAGE FACILITIES SITE INSPECTION REPORT (PCB Storage)
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. STORAGE AREA HAS CONTINUOUS IMPERVIOUS BASE
[X] YES [ ] NO

2. STORAGE AREA HAS A CONFINEMENT STRUCTURE
[X] YES [ ] NO

3. EVIDENCE OF LEAKAGE/OVERFLOW *(If "Yes", document where and how much runoff is overflowing or leaking from containment)*
[ ] YES [X] NO

4. ESTIMATE TYPE AND NUMBER OF BARRELS/CONTAINERS
15 barrels

5. GLASS OR PLASTIC STORAGE CONTAINERS USED
[ ] YES [X] NO

6. ESTIMATE NUMBER AND CAPACITY OF STORAGE TANKS
No tanks

7. NOTE LABELING ON CONTAINERS
See photo #3

8. EVIDENCE OF LEAKAGE CORROSION OR BULGING OF BARRELS/CONTAINERS/STORAGE TANKS *(If "Yes", document evidence. Describe location and extent of damage. Take PHOTOGRAPHS)*
[ ] YES [X] NO

9. DIRECT VENTING OF STORAGE TANKS
[ ] YES [ ] NO No tanks

10. CONTAINERS HOLDING INCOMPATIBLE SUBSTANCES *(If "Yes", document evidence. Describe location and identity of hazardous waste. Take PHOTOGRAPHS.)*
[ ] YES [X] NO

11. INCOMPATIBLE SUBSTANCES STORED IN CLOSE PROXIMITY *(If "Yes", document evidence. Describe location and identity of hazardous waste. Take PHOTOGRAPHS.)*
[ ] YES [X] NO

12. ADEQUATE CONTAINER WASHING AND REUSE PRACTICES
[ ] YES [ ] NO Containers are not reused

13. ADEQUATE PRACTICES FOR DISPOSAL OF EMPTY STORAGE CONTAINERS
[X] YES [ ] NO

STORAGE FACILITIES SITE INSPECTION REPORT
(Supplemental Report)

(Pile)

INSTRUCTION
Answer and Explain as Necessary.

1. STORAGE AREA HAS CONTINUOUS IMPERVIOUS BASE
[ ] YES [X] NO

2. STORAGE AREA HAS A CONFINEMENT STRUCTURE
[ ] YES [X] NO

3. EVIDENCE OF LEAKAGE/OVERFLOW *(If "Yes", document where and how much runoff is overflowing or leaking from containment)*
[ ] YES [X] NO

4. ESTIMATE TYPE AND NUMBER OF BARRELS/CONTAINERS
12,000 tons/yr (1,000 per month) (see photo #4)

5. GLASS OR PLASTIC STORAGE CONTAINERS USED
[ ] YES [X] NO

6. ESTIMATE NUMBER AND CAPACITY OF STORAGE TANKS
None

7. NOTE LABELING ON CONTAINERS
No containers - No labeling
The material is mostly refractory, but it contains also materials from the furnaces.

Metals (both magnetic and non-magnetic) are reclaimed by Heckett Industries and the remaining wastes are transported to the Rollins site.

8. EVIDENCE OF LEAKAGE CORROSION OR BULGING OF BARRELS/CONTAINERS/STORAGE TANKS *(If "Yes", document evidence. Describe location and extent of damage. Take PHOTOGRAPHS)*
[ ] YES [X] NO

9. DIRECT VENTING OF STORAGE TANKS
[ ] YES [ ] NO N/A

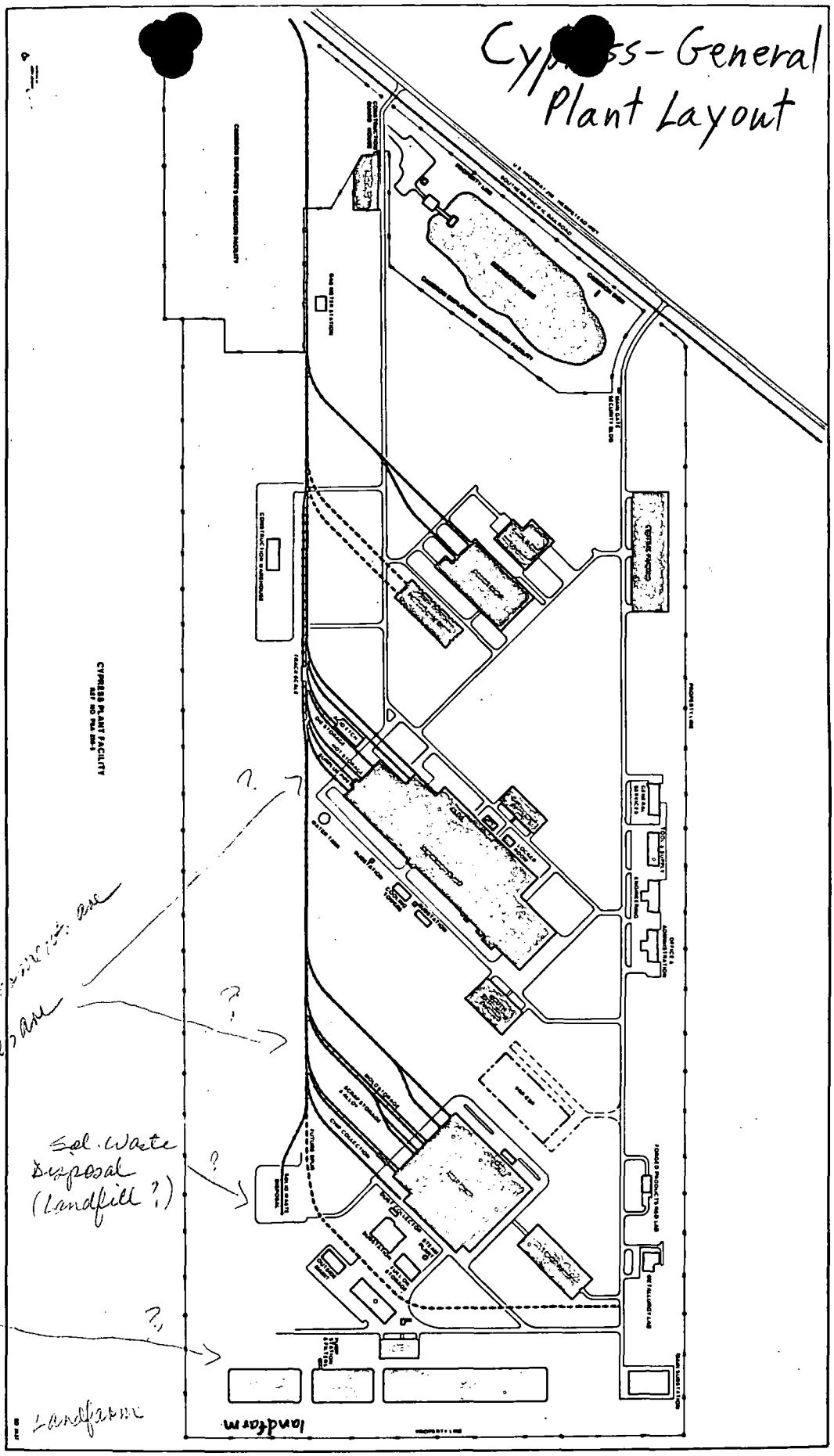
10. CONTAINERS HOLDING INCOMPATIBLE SUBSTANCES *(If "Yes", document evidence. Describe location and identity of hazardous waste. Take PHOTOGRAPHS.)*
[ ] YES [ ] NO N/A

11. INCOMPATIBLE SUBSTANCES STORED IN CLOSE PROXIMITY *(If "Yes", document evidence. Describe location and identity of hazardous waste. Take PHOTOGRAPHS.)*
[ ] YES [X] NO

12. ADEQUATE CONTAINER WASHING AND REUSE PRACTICES
[ ] YES [ ] NO N/A

13. ADEQUATE PRACTICES FOR DISPOSAL OF EMPTY STORAGE CONTAINERS
[ ] YES [ ] NO N/A

Cypress - General Plant Layout



Sol. Waste Disposal (Landfill ?)

cannot tell where surf. impoundments are or where piles are

RESIDENTIAL WELL SAMPLING INFORMATION

1. Name, address and phone number of resident (include county and zip code)

   Cameron Iron Works, Cypress Plant

   22301 Hempstead Rd., Houston, TX 77040

   Harris Co., (713) 939-2293

2. Date well was dug September 1974

3. Depth of well Unknown

4. Depth to static water 450 ft.

5. Is the well cased? Yes X No_____

   If so, to what depth? 400 ft.

   What type of casing is used? 6 inch metal pipe

6. Is well screened? Yes X No_____

7. How much is the well pumped? (Only for residential use or for use in watering livestock?) Well has 200 gpm pump. Water is pumped to a 2000 gallon storage tank.

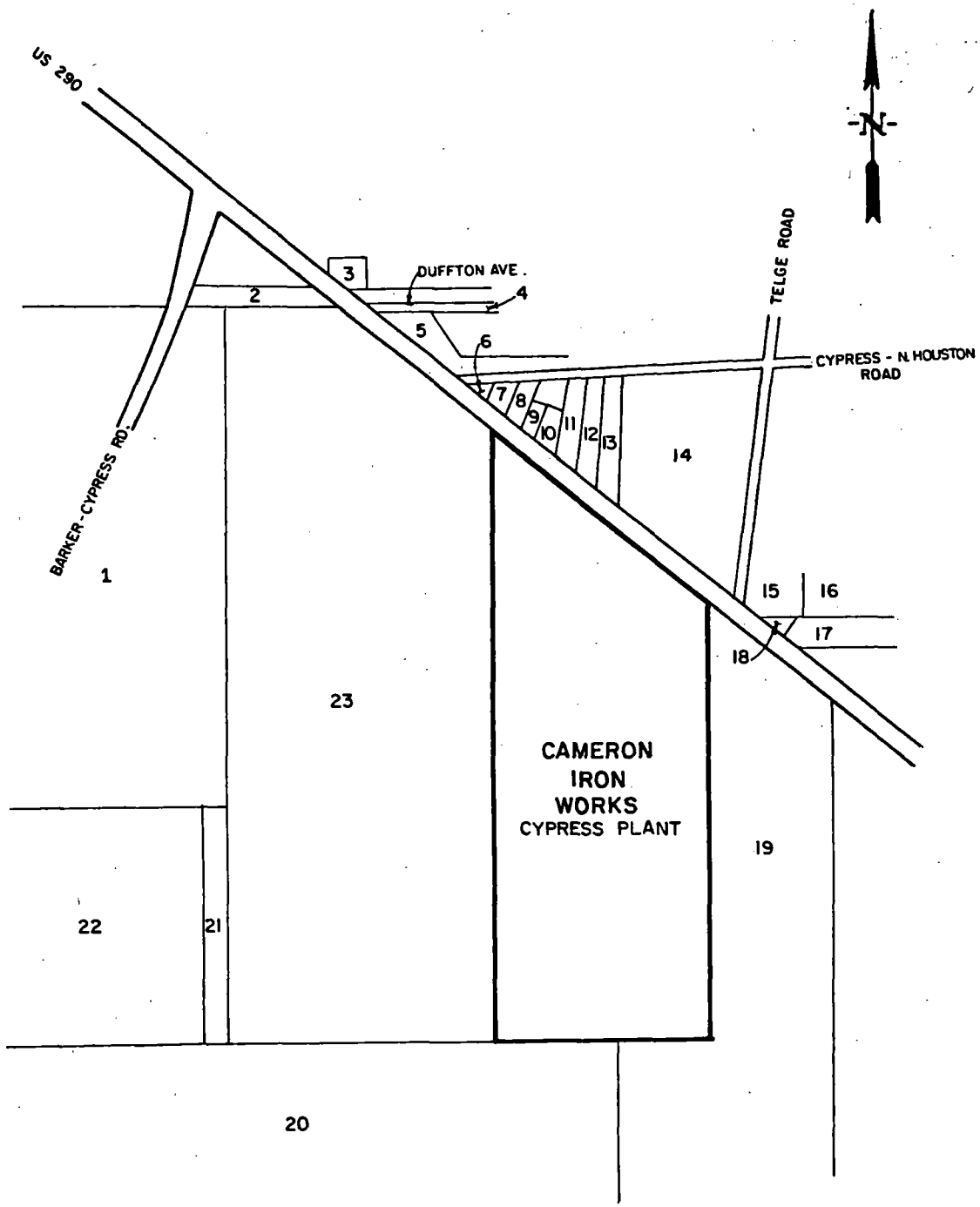
8. Any other pertinent information? Well is located on Cameron property, but not within the industrial area (shown as well #14 on the attached site map, just west of the industrial area boundary).

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

Corresponding number on form	Additional Remark and/or Explanation			
III.C.	1.Name	2.Title & Telephone No.	3.Address	
	Damon H. Williams	Senior Env. Engr. Domestic Operations (713) 939-2614	13013 NW Freeway, Houston TX 77001 - P.O. Box 1212, Houston, TX 77001	
	Alice Megna	Environmental Engineer I (713) 939-2615	" "	
	Mary Jensen	Environmental Technician (713) 939-4201	2301 Hempstead Hwy., Houston, TX 77001	
III.E.	1.Name	2.Tel. No.	3.Address	4.Waste Type Transported
	Chemical Waste Management	(713) 736-2821	P.O. Box 2563, Port Arthur, TX 77640	Furnace dust
VII.2.e.	(7,500 tons/yr) are refractory wastes.			
X.6.	domestic raw water supply.			



NOTES:

1.- SEE ATTACHED PROPERTY OWNER LISTING SHEETS

2.- ALL PROPERTY OWNERSHIP BASED ON HARRIS COUNTY TAX RECORDS

ATTACHMENT B

Lockwood, Andrews & Newnam, Inc.
Engineering·Architecture·Planning·Project Management

CAMERON IRON WORKS
ADJACENT PROPERTY OWNERS
CYPRESS PLANT

Dwg. no. B-1 of 3

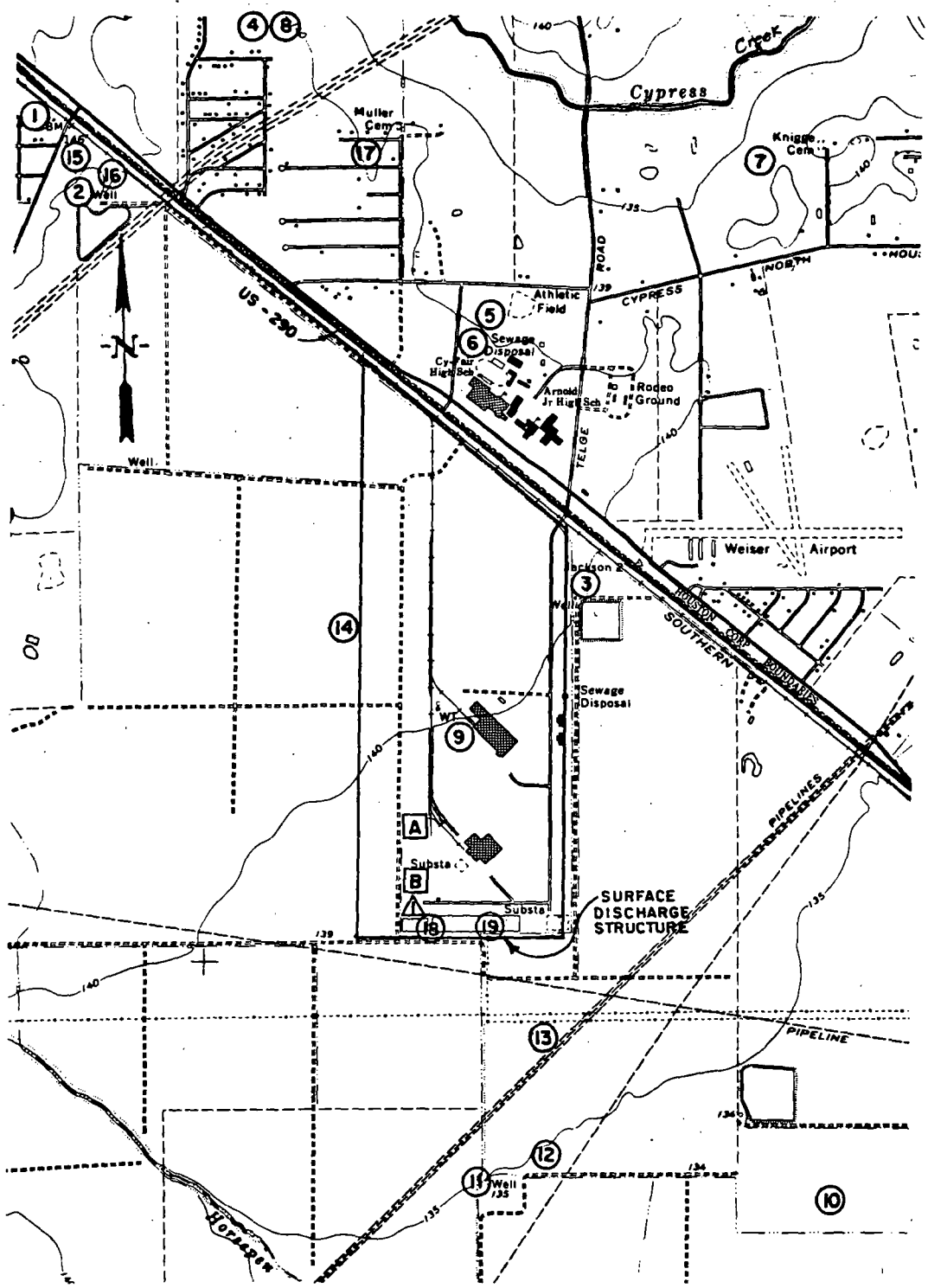
Scale: 1" = 2000'	Date: 9-15-80	Drawn by: J.A.G.	Checked by: C.B.N.	Approved by: R.E.F.	Proj. no. 313-1-114-000

ATTACHMENT B
ADJACENT PROPERTY OWNERS
CYPRESS PLANT

Listing No.	Owner
1	Wayne B. Duddlesten c/o L.B. Walker & Associates 546 Main Bldg. Houston, Texas 77002
2	Richard H. Gould c/o L.B. Walker & Associates 546 Main Bldg. Houston, Texas 77002
3	Cantex - Oakhollow P.O. Box 614 Don Mills, Ontario Canada M3C 2T6
4	Houston, Lighting & Power Co. 611 Walker Houston, Texas
5	James E. White 4150 Westheimer #399 Houston, Texas 77027
6	Bill H. Bailey, Trustee c/o Carr Oil Co. P.O. Box 1112 Jacksonville, Texas 75766
7	Same As 6
8	Lawrence A. Lieder 15610 Cypress N. Houston Rd Cypress, Texas 77429
9	Same As 8
10	Same As 8
11	Herman Liere 15611 Cypress N. Houston Rd Cypress, Texas 77429
12	Pete G. Santikos 3521 Montrose Blvd Houston, Texas 77006
13	Mrs. F.E. Arnold 12618 Rolling Valley Cypress, Texas 77429

ADJACENT PROPERTY OWNERS (CONT.)

Listing No.	Owner
14	Cypress - Fairbanks Cons. ISD 12630 Windfern Rd. Houston, Texas
15	Cullen Center Bank & Trust P.O. Box 1315 Houston, Texas 77001
16	C.U. Weiser 10818 Huffmeister Rd. Houston, Texas 77040
17	Same As 16
18	Lillie Mae Jackson 4502 Frontier Dr. Houston, Texas 77041
19	Wimpey of Texas c/o L.B. Walker & Associates 546 Main Bldg Houston, Texas 77002
20	W.O.W. Smith Rt. 1 Box 302 Hockley, Texas 77447
21	Same As 1
22	Paddock Properties 2 Houston Center, Suite 2910 Houston, Texas 77002
23	Cameron Iron Works c/o L.B. Walker 546 Main Bldg. Houston, Texas 77002



NOTES:

1.- WELL LOCATIONS ARE APPROXIMATE

2.- WELL INFORMATION BASED ON TEXAS WATER DEVELOPMENT BOARD AND HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT DATA

LEGEND

[A] FACILITY COMPONENTS (SEE ATTACHED DESCRIPTION)

(1) WATER WELLS OR WATER BODIES (SEE ATTACHED DESCRIPTION)

△1 MONITOR WELLS (SEE ATTACHED DESCRIPTION)

ATTACHMENT E-1

Lockwood, Andrews & Newnam, Inc.
Engineering·Architecture·Planning·Project Management

CAMERON IRON WORKS
WASTE MANAGEMENT FACILITIES LOCATION
CYPRESS PLANT

Dwg.no. E-1 of 3

Scale 1" = 2000'	Date: 9-15-80	Drawn by: J.A.G.	Checked by: C.B.N.	Approved by: R.E.F.	Proj. no. 313-1-114-000

ATTACHMENT E
WASTE MANAGEMENT FACILITY LOCATION
CAMERON IRON WORKS
CYPRESS PLANT

Facility Components

Facility Designation	Description	Component Status	Size
A	Drum Storage Area (Enclosed)	Active	22' x 30'
B	Landfill	Inactive	1.79 Acres

Monitor Wells

Monitor Well Designation	Use
1	Water Quality Measurement

Water Wells or Water Bodies

Water Well or Body Designation	Use
1	Irrigation
2	Irrigation
3	Irrigation
4	Public
5	Public
6	Public
7	Domestic
8	Public
9	Industrial
10	Irrigation
11	Irrigation
12	Public
13	Public

Water Wells or Water Bodies (Cont.)

Water Well or Body Designation	Use
14	Domestic
15	Industrial
16	Industrial
17	Domestic
18	Cooling Water Lake
19	Storm Water Lake

NOTE:

1) No Known injection wells with map area.

2) There are numerous small ponds shown on the map area. None of these are for domestic water supply.

Photographer / Witness

IMRE SEKELYHIDI

Date / Time / Direction (1)

11/17/82 / 1:30 pm / NW

Comments: SCRAP SEGREGATION, CONSTRUCTION SCRAP PILE

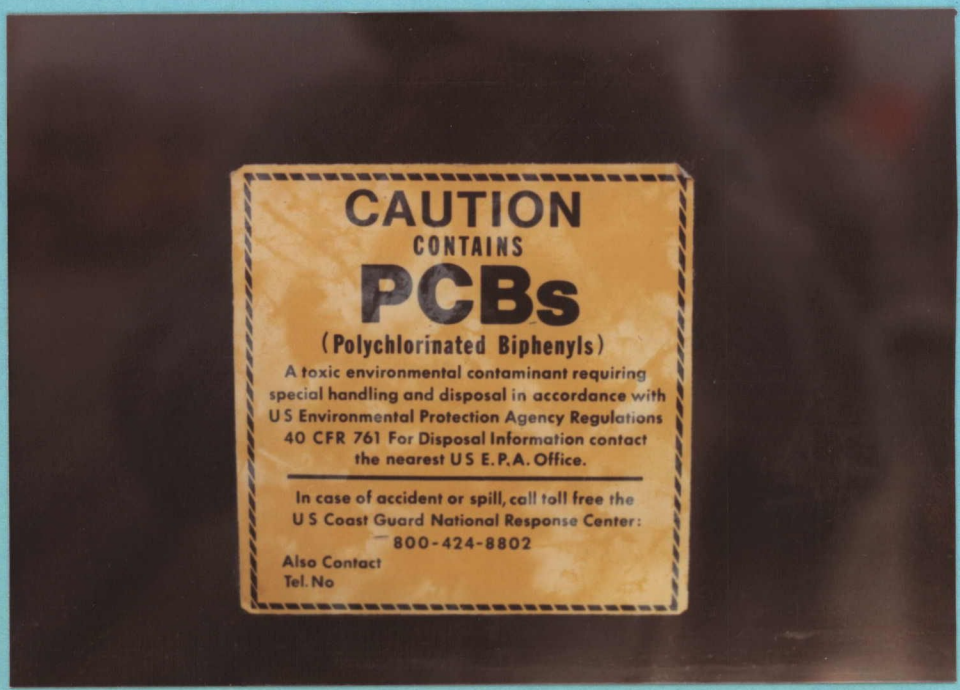
Photographer / Witness

IMRE SEKELYHIDI

Date / Time / Direction (2)

11/17/81 / 1:30 / SE

Comments: PCB STORAGE BUILDING



Photographer / Witness

IMRE SEKELYHIDI

Date / Time / Direction (3)

11/17/82 / 1:30 / SE

Comments: CLOSE-UP OF WARNING SIGN ON ENTRANCE DOOR OF PCB STORAGE BUILDING

Photographer / Witness

IMRE SEKELYHIDI

Date / Time / Direction

1/17/81/1:30/W-SW

(4)

Comments: HECKETT OPERATION (HECKETT INDUSTRIES RECLAIMS, UNDER CONTRACT, VALUABLE MATERIALS FROM FURNACE WASTE (I.E. METALS).

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

IMRE SEKELYHIDI

Date / Time / Direction

11/17/81/2:00/

(5)

Comments: LAKE SYSTEM

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

IMRE SEKELYKIDI

Date / Time / Direction

11/17/81/2:00/SW

(6)

Comments: STORM WATER OUTFALL WEIR

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

IMRE SEKELYHIDI

Date / Time / Direction

11/17/81 / 1:30 / NE

(7)

Comments: DUST COLLECTOR

Photographer / Witness

IMRE SEKELYHIDI

Date / Time / Direction

11/17/81 / 2:30 / NW

(8)

Comments: ACID ETCH "RUNOFF AREA" (IN CASE OF SYSTEM MAL-FUNCTIONING OVERFLOW FROM THE PIT MAY ENTER "RUNOFF AREA". PHOTO SHOWS THE AFTERMATH OF SUCH RECENT INCIDENT).

NOTE – THE SCRUBBERS UTILIZE RECIRCULATING WATER STREAM PASSING THROUGH A PACKER MEDIUM. ACID VAPORS ARE REMOVED FROM THE AIR AND WATER DROPS BACK DOWN. UP TO A MAXIMUM RATE OF 20 GPM MAKE-UP WATER IS ADDED; NEARLY EQUAL AMOUNT OF OVERFLOW FLOWS INTO PIT, THENCE INTO UNLINED CONVEYANCE DITCH (THIS OVERFLOW IS REQUIRED BY EQUIPMENT SPECIFICATIONS TO CARRY ACID OUT OF THE SYSTEM AND TO REPLENISH THE WATER STREAM). THE OVERFLOW IS NEUTRALIZED WITH SODIUM HYDROXIDE, PRECIPITATING ACID IN THE FORM OF SODIUM SALT.

Photographer / Witness

Date / Time / Direction

Comments:

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