EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by Hq)
6	TX 10448

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.

Atchison Topeka & Santa Fe

I. SITE IDENTIFICATION

TXD 000778 621

A. SITE NAME	B. STREET (or other identifier)		
Centralized Tie Plant	Hwy 36		
C. CITY	**D. STATE**	**E. ZIP CODE**	**F. COUNTY NAME**
Somerville, TX	TX	77879	Burleson

G. SITE OPERATOR INFORMATION

X REF IN SA Vol. 1

1. NAME	2. TELEPHONE NUMBER		
Mike Stanfield, Environmental Engineer	806/376-5131		
3. STREET	**4. CITY**	**5. STATE**	**6. ZIP CODE**
900 Polk St.	Amarillo	TX	79171

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

1. NAME	2. TELEPHONE NUMBER	
Atchison, Topeka, and Santa Fe railway Company	806/376-5131	
3. CITY	**4. STATE**	**5. ZIP CODE**
Amarillo	TX	79171

I. SITE DESCRIPTION Facility treats wood products for railway use. Crossties, piling for bridges and poles for electrical lines are treated with creosote oil.

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.)
for Richard T. Wigal, Jr. (K. H. Malone)	214/742-4521	March 5, 1984

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME	2. TITLE	
Richard T. Wigal, Jr.	FIT - Environmental Scientist	
3. ORGANIZATION		**4. TELEPHONE NO. (area code & no.)**
Ecology & Environment, Inc., 1509 Main St., Dallas, TX 75201		214/742-4521

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
Larry Landry	Ecology & Environment, Inc.	214/742-6601

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

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Mike Stanfield	Environmental Engineer 806/376-5131	900 Polk St., Amarillo, TX 79171

REVIEWED BY RCRA DATE 9/11/84

SUPERFUND FILE

DEC 01 1992

REORGANIZED

Continue On Reverse

925812

Continued From Front

III. INSPECTION INFORMATION *(continued)*

D. GENERATOR INFORMATION *(sources of waste)*

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Centralized Tie Plant	409/596-1321	Hwy 36, Somerville, TX	Creosote oil, wood

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
Rollins Environmental	713/479-6001	2027 Battleground Rd. Deer Park, TX	Creosote Sludge
BFI	713/675-6101	11013 Old Beaumont Hwy Houston, TX	Arsenic Pentoxide
Olshaw	713/225-5551	2600 Canal, Houston, TX 77003	Abestos from pipe Insulation

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
N/A		

G. DATE OF INSPECTION *(mo., day, & yr.)*	H. TIME OF INSPECTION	I. ACCESS GAINED BY: *(credentials must be shown in all cases)*
1/19/84	0900 hrs.	[X] 1. PERMISSION [ ] 2. WARRANT

J. WEATHER *(describe)*

Clear, cold, temperature approximately 38^0.

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	None 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: EPA Region VI (attached)

D. SITE MAPPED?

[X] YES. SPECIFY LOCATION OF MAPS: EPA Region VI (attached)

E. COORDINATES

1. LATITUDE (deg.-min.-sec.): 30°21'30" N
2. LONGITUDE (deg.-min.-sec.): 96°32'15" W

V. SITE INFORMATION

A. SITE STATUS

[XX] 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): 2491

C. AREA OF SITE (in acres): 140

D. ARE THERE BUILDINGS ON THE SITE?

[ ] 1. NO [X] 2. YES (specify): Office, production and maintenance.

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		1. FILTRATION		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):		
	N/A		N/A		N/A		

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 [X] 4. SURFACE IMPOUNDMENT [ ] 5. DEEP WELL

[ ] 6. CHEM/BIO/PHYS TREATMENT [ ] 7. LANDFARM [ ] 8. OPEN DUMP [ ] 9. TRANSPORTER [ ] 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

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

B. WASTE CHARACTERISTICS

[ ] 1. CORROSIVE [XX] 2. IGNITABLE [ ] 3. RADIOACTIVE [ ] 4. HIGHLY VOLATILE

[XX] 5. TOXIC [ ] 6. REACTIVE [ ] 7. INERT [ ] 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

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: 30,000	AMOUNT: Unknown	AMOUNT: None	AMOUNT: Unknown	AMOUNT: 500,000	AMOUNT: None
UNIT OF MEASURE: lbs/yr.	UNIT OF MEASURE: -	UNIT OF MEASURE: -	UNIT OF MEASURE: -	UNIT OF MEASURE: lbs/yr.	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	X (2) OTHER (specify): Creosote Oil	(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 SMELTING WASTES	(4) MUNICIPAL
X (5) OTHER (specify): Creosote separator bottoms			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	X (6) OTHER (specify): Creosote contaminated waste. (Dirt & Sawdust) Creosote wood.	
			XX (7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			X (11) OTHER (specify): Arsenic Pentoxide		

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
Creosote		X						800-15-89	Unknown	-
Pentachlorophenol		X						87-86-5	Unknown	-
Arsenic Pentoxide	X							1303-28-2	Unknown	-

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

*Off site disposal - stopped using arsenic pentoxide in 1978.

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

There is a potential for groundwater contamination from the inactive waste lagoons.

☐ G. CONTAMINATION OF SURFACE WATER

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 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)*:

The Centralized Tie Plant has been in operation since 1897. The facility uses creosote to treat cross ties, bridge timbers, crossing planks, and other timber products for railroad service. The wood is placed in pressurized cylinders with creosote oil and heated. The facility has active waste disposal areas which are covered under RCRA. There are five inactive waste lagoons on site. (See attached maps, photos, and supplemental reports for locations and waste information). The state has recommended that these ponds be closed out and that groundwater monitoring be done around the covered over lagoon labeled F in the report. According to the States' records some of the wastes listed in this report are no longer generated by the facility. However, their presence in some of the inactive lagoons is likely because of past waste disposal practices. The plant currently has a number of monitoring wells onsite which could be useful in determining groundwater contamination (see attached well location map). Based on site hydrogeology and areas of concern (i.e. buried pits, etc), it is recommended that the FIT be tasked to sample monitoring wells #1,2,3,4,5, 7 and 14 to determine the presence and extent of groundwater contamination.

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	460	460	115	1 mile
2. IN COMMERCIAL OR INDUSTRIAL AREAS	300	300	12	1 mile
3. IN PUBLICLY TRAVELLED AREAS	1200	1200	-0-	¼ mile
4. PUBLIC USE AREAS *(parks, schools, etc.)*	100	100	-0-	1 mile

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER *(specify unit)*	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
30 ft. (approx)	SE	shallow aquifer not used
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY** *(specify unit of measure)*	**F. DIRECTION TO DRINKING WATER SUPPLY**
<5 gpm (shallow aquifer)	Approximately 1 mile	Southeast

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS* ☒ 2. COMMUNITY *(specify town)*: > 15 CONNECTIONS Somerville, TX

☐ 3. SURFACE WATER ☒ 4. WELL *

 Continue On Page 9

* City wells are approximately 2300 ft. deep.

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')
None				

I. RECEIVING WATER

1. NAME: Yegua Creek *

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

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

Contact, Non Contact Recreation, Propagation of Fish & Wildlife, and Domestic Raw Water Supply.

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN: None

☐ 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	1. SAND 20%	X	Manning Formation		
X	2. CLAY 80%	X	Manning Formation		
	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.) ☒ 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: 0-2%

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.: Southeast, slope in good condition.

J. OTHER GEOLOGICAL DATA

The site is located atop the Manning Formation, an Eocene-age sequence of clays and sandstones. The clays are lignitic, brown, and interbedded with fine-grained sand. The sands are brittle, yellowish, and thick-bedded.

 Continue On Reverse

* Brazos River confluence to Somerville Reservoir.

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
RCRA	TDWR	TXDX000778621	Unknown	Open	X		
NPDES	EPA	TX000281	Unknown	1/12/88	X		
Waste Water Disposal	TDWR	00746	Unknown	Open	X		
Air Permit	TACB	R-8673	Unknown	Open	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.

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT

Lagoon A: Sapwater, & Creosote Oil

2. STABILITY/CONDITION OF EMBANKMENTS

Excellent

3. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc.)*

☐ YES ☒ NO

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE

☐ YES ☒ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT

☒ YES ☐ NO

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT

☐ YES ☒ NO

7. IMPOUNDMENT HAS LINER SYSTEM

☐ YES ☒ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED

☐ YES ☒ NO

7b. FINDINGS

N/A

8. SOIL STRUCTURE AND SUBSTRUCTURE

Clay & Sand

9. MONITORING WELLS

☒ YES ☐ NO

10. LENGTH, WIDTH, AND DEPTH

LENGTH 250' WIDTH 80' DEPTH Unknown

11. CALCULATED VOLUMETRIC CAPACITY

Unknown

12. PERCENT OF CAPACITY REMAINING

Unknown

13. ESTIMATE FREEBOARD

5-6 ft.

14. SOLIDS DEPOSITION

☐ YES ☒ NO

15. DREDGING DISPOSAL METHOD

N/A

16. OTHER EQUIPMENT

N/A (Stopped use in 1974)

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT

Lagoon B: Sapwater, & Creosote Oil (Rain Water)

2. STABILITY/CONDITION OF EMBANKMENTS

Excellent

3. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc.)*

☐ YES ☒ NO

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE

☐ YES ☒ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT

☒ YES ☐ NO

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT

☐ YES ☒ NO

7. IMPOUNDMENT HAS LINER SYSTEM

☐ YES ☒ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED

☐ YES ☒ NO

7b. FINDINGS

N/A

8. SOIL STRUCTURE AND SUBSTRUCTURE

Clay & Sand

9. MONITORING WELLS

☒ YES ☐ NO

10. LENGTH, WIDTH, AND DEPTH

LENGTH 220' WIDTH 230' DEPTH Unknown

11. CALCULATED VOLUMETRIC CAPACITY

Unknown

12. PERCENT OF CAPACITY REMAINING

Unknown

13. ESTIMATE FREEBOARD

5-6 ft.

14. SOLIDS DEPOSITION

☐ YES ☒ NO

15. DREDGING DISPOSAL METHOD

N/A

16. OTHER EQUIPMENT

N/A (Stopped use in 1974)

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT

Lagoon C: Sapwater, maybe creosote oil.

2. STABILITY/CONDITION OF EMBANKMENTS

Excellent.

3. EVIDENCE OF SITE INSTABILITY *(Erosion, Settling, Sink Holes, etc.)*

☐ YES ☒ NO

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE

☐ YES ☒ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT

☒ YES ☐ NO

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT

☐ YES ☒ NO

7. IMPOUNDMENT HAS LINER SYSTEM

☐ YES ☒ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED

☐ YES ☒ NO

7b. FINDINGS

N/A

8. SOIL STRUCTURE AND SUBSTRUCTURE

Clay & Sand

9. MONITORING WELLS

☒ YES ☐ NO

10. LENGTH, WIDTH, AND DEPTH

LENGTH 375' WIDTH 200' DEPTH Unknown

11. CALCULATED VOLUMETRIC CAPACITY

Unknown

12. PERCENT OF CAPACITY REMAINING

Unknown

13. ESTIMATE FREEBOARD

3 ft.

14. SOLIDS DEPOSITION

☐ YES ☒ NO

15. DREDGING DISPOSAL METHOD

N/A

16. OTHER EQUIPMENT

N/A

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT

Lagoon D: Creosote Oil (Sludge)

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

7. IMPOUNDMENT HAS LINER SYSTEM

[ ] YES [X] NO

7a. INTEGRITY OF LINER SYSTEM CHECKED

[ ] YES [X] NO

7b. FINDINGS

N/A

8. SOIL STRUCTURE AND SUBSTRUCTURE

Clay & Sand

9. MONITORING WELLS

[X] YES [ ] NO

10. LENGTH, WIDTH, AND DEPTH

LENGTH 375' WIDTH 175' DEPTH Unknown

11. CALCULATED VOLUMETRIC CAPACITY

Unknown

12. PERCENT OF CAPACITY REMAINING

Unknown

13. ESTIMATE FREEBOARD

4-5 ft.

14. SOLIDS DEPOSITION

[ ] YES [X] NO

15. DREDGING DISPOSAL METHOD

N/A

16. OTHER EQUIPMENT

N/A

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT

Lagoon E: Creosote and Oil

2. STABILITY/CONDITION OF EMBANKMENTS

Very Stable

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

7. IMPOUNDMENT HAS LINER SYSTEM

[ ] YES [X] NO

7a. INTEGRITY OF LINER SYSTEM CHECKED

[ ] YES [X] NO

7b. FINDINGS

N/A

8. SOIL STRUCTURE AND SUBSTRUCTURE

Clay & Sand

9. MONITORING WELLS

[X] YES [ ] NO

10. LENGTH, WIDTH, AND DEPTH

LENGTH 375' WIDTH 200' DEPTH Unknown

11. CALCULATED VOLUMETRIC CAPACITY

Unknown

12. PERCENT OF CAPACITY REMAINING

Unknown

13. ESTIMATE FREEBOARD

3-4 ft.

14. SOLIDS DEPOSITION

[ ] YES [X] NO

15. DREDGING DISPOSAL METHOD

N/A

16. OTHER EQUIPMENT

N/A

SURFACE IMPOUNDMENTS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain as Necessary.

1. TYPE OF IMPOUNDMENT

F - Reservoir, closed out in Early 1040's.

2. STABILITY/CONDITION OF EMBANKMENTS

N/A

3. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc.)

☐ YES ☒ NO

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE

☐ YES ☒ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT

☐ YES ☐ NO Unknown

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT

☐ YES ☒ NO

7. IMPOUNDMENT HAS LINER SYSTEM

☐ YES ☒ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED

☐ YES ☒ NO

7b. FINDINGS

N/A

8. SOIL STRUCTURE AND SUBSTRUCTURE

Clay & Sand

9. MONITORING WELLS

☒ YES ☐ NO

10. LENGTH, WIDTH, AND DEPTH

LENGTH 400' WIDTH 225' DEPTH Unknown

11. CALCULATED VOLUMETRIC CAPACITY

Unknown

12. PERCENT OF CAPACITY REMAINING

Unknown

13. ESTIMATE FREEBOARD

0

14. SOLIDS DEPOSITION

☐ YES ☐ NO N/A

15. DREDGING DISPOSAL METHOD

N/A

16. OTHER EQUIPMENT

N/A

Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1115 / SE

Comments: PLANT ENTRANCE ROAD. COVERED RESERVOIR, (F ON SITE MAP.)

PHOTO #1

Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1120 / NW

Comments: TREATED TIMBERS.

PHOTO #2

Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1130 / NW

Comments:

INACTIVE LAGOON FOR SAP WATER + CREOSOTE OIL. (LAGOON A ON SITE MAP)

PHOTOS # 3-4

Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1132 / SW

Comments:

INACTIVE WATER LAGOON.

(LABELED B ON SITE MAP).

PHOTOS # 5-7

Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1140 / NW

Comments:

NORTH SIDE OF SAPWATER

LAGOON C.

PHOTOS # 8-9

Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1141 / SE

Comments:

SOUTHERN END OF

LAGOON C.

PHOTOS # 10-11.

Photographer / Witness

LARRY LANDRY / RICK WIGAL

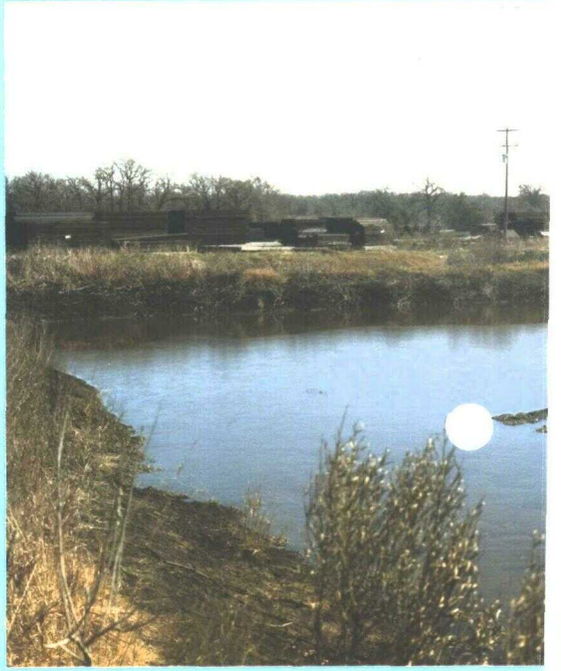
Date / Time / Direction

1/9/84 / 1145 / SOUTH TO NE

Comments:

INACTIVE WASTE LAGOON FOR CREOSOTE CONTAMINATED WASTE. (LABELED D ON SITE MAP.)

PHOTOS # 12-14



Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1145 / NE

Comments:

CONTINUED FROM PREVIOUS PAGE.

Photographer / Witness

LARRY LANDRY / RICK WIGAL

Date / Time / Direction

1/19/84 / 1150 / SOUTH TO NE

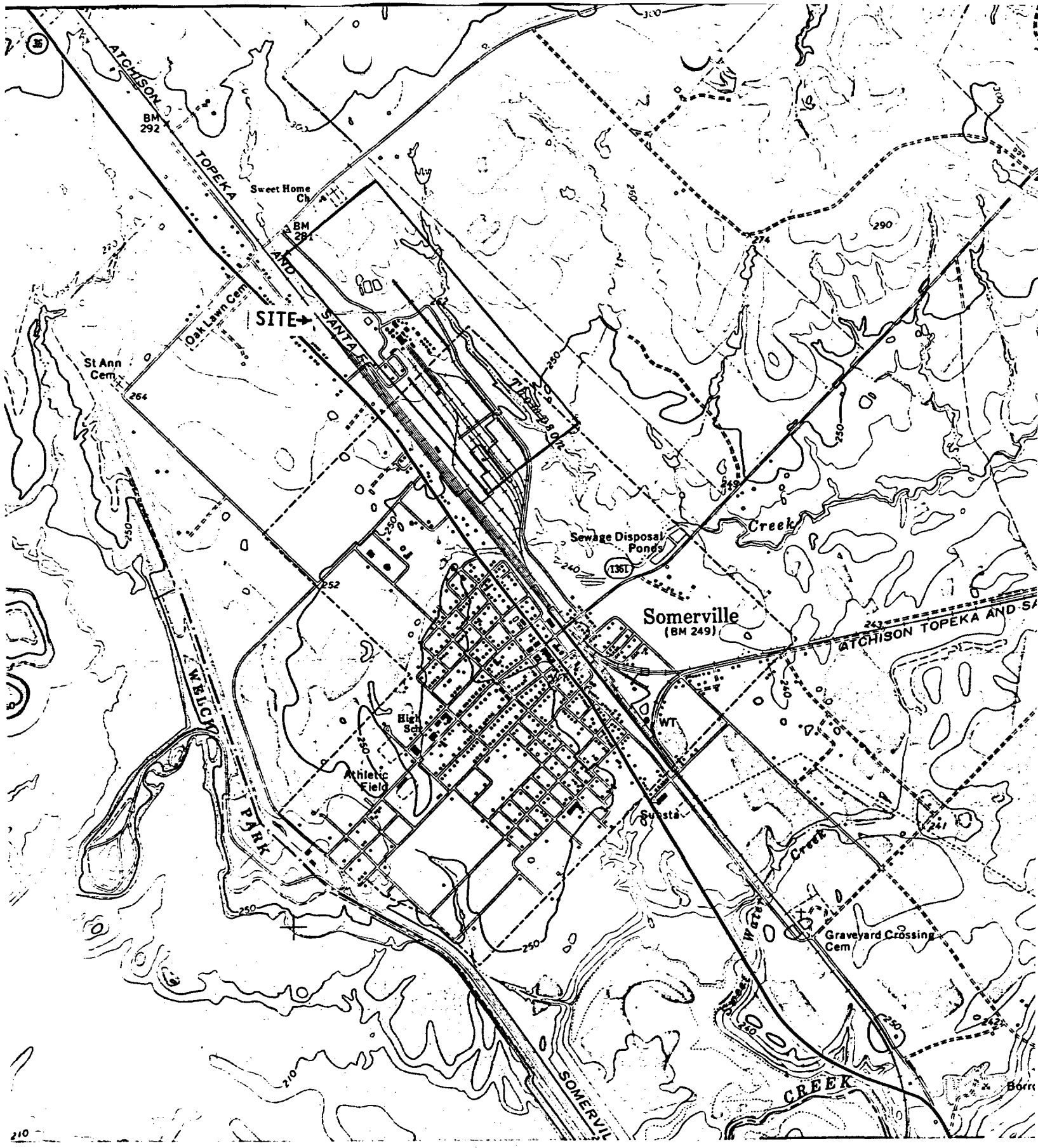
Comments:

INACTIVE WASTE LAGOON

FOR CREOSOTE.

(LABELLED E ON SITE MAP.)

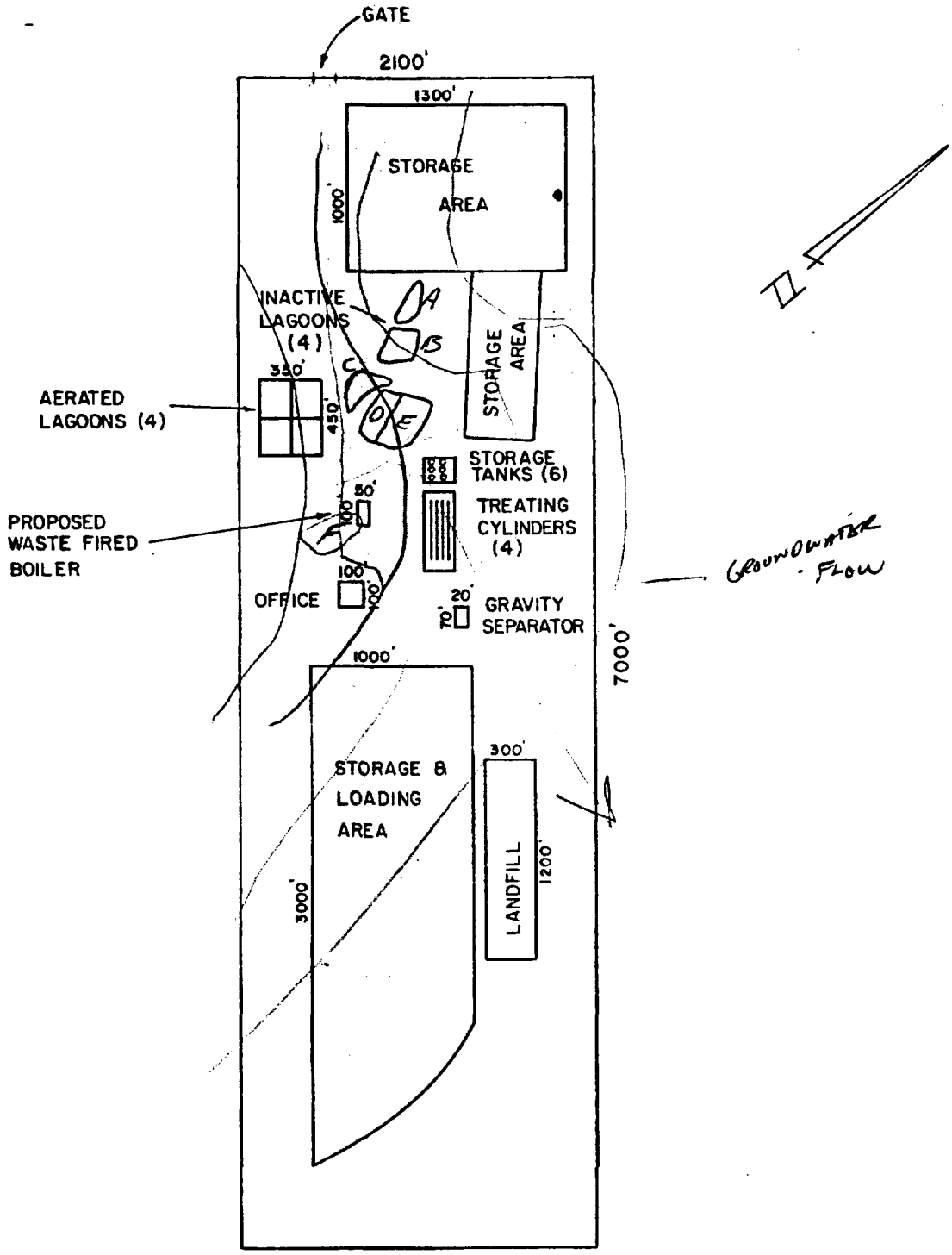
PHOTOS # 15-17.



SITE LOCATION MAP
FOR CENTRALIZED TIE PLANT

Scale: 1 inch= 2000 Ft.

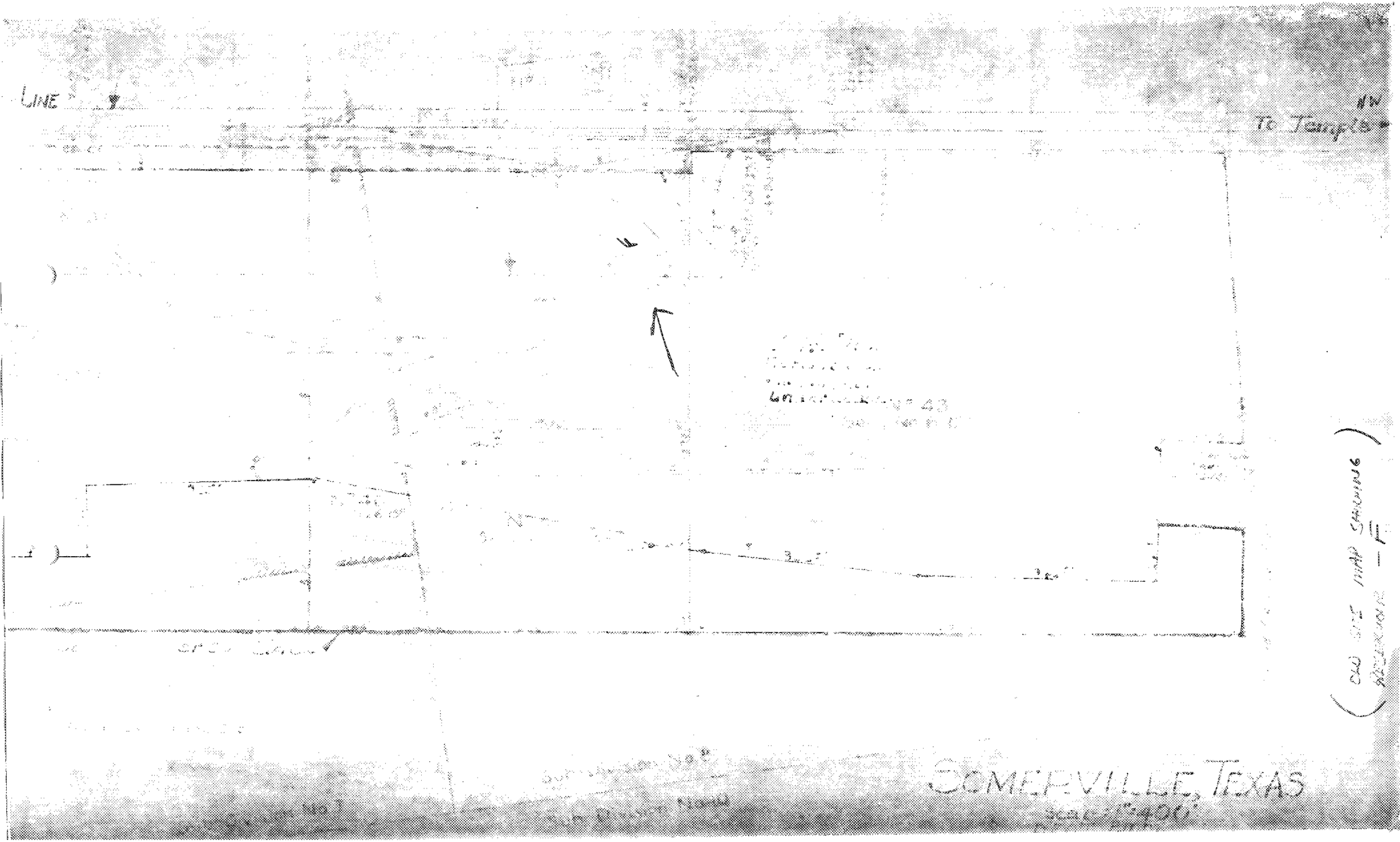
USGS 1971
Somerville, TX.



A.T. & S.F. CENTRALIZED TIE PLANT
SCALE 1"=1000'

LEGEND
SOIL TEST/AUGER BORING - NOT COMPLETED AS MONITERING WELL
SOIL TEST/AUGER BORING - COMPLETED AS MONITERING WELL
SCALE: 1" = 222
ATEC Associates, Inc.
of Georgia
1190 Hayes Industrial Dr. N.E.
Marietta, Georgia 30062
SANTA FE
TIE PLANT
SOMERVILL
ATEC PROJE
GW-17
GW-7
GW-22
GW-18
GW-4
GW-3
GW-14
GW-15
GW-16
GW-1
GW-2
GW-13
MONITORING WELL LOCATIONS

LEGEND
SOIL TEST/AUGER BORING-NOT COMPLETED AS MONITERING WELL
SOIL TEST/AUGER BORING-COMPLETED AS MONITERING WELL
SCALE: 1"=222'
ATEC Associates, Inc.
of Georgia
1190 Hayes Industrial Dr. N.E.
Marietta, Georgia 30062
PROJECT
SANTA FE RAILWAY
TIE PLANT
SOMERVILLE, TENN.
ATEC PROJECT NO.
GW10
GW11
GW9
GW19
GW23
GW24
MONITORING WELL LOCATIONS


LINE
NW
To Temple
(OLD SITE MAP SHOWING
RELOCATION - F)
SOMERVILLE, TEXAS