SEPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION: 5

SITE NUMBER (to be assigned by HQ):

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: GATX CORPORATION TANK CAR REPAIR PLANT NO. 2

B. STREET (or other identifier): 4245 RAILROAD AVENUE

C. CITY: EAST CHICAGO

D. STATE: INDIANA

E. ZIP CODE: 46312

F. COUNTY NAME: LAKE

G. SITE OPERATOR INFORMATION

1. NAME: GENERAL AMERICAN TRANSPORTATION CORPORATION

2. TELEPHONE NUMBER: 219-398-6300

3. STREET: 120 SOUTH RIVERSIDE PLAZA

4. CITY: CHICAGO

5. STATE: ILLINOIS

6. ZIP CODE: 60606

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

1. NAME: General American Transportation Corp.

2. TELEPHONE NUMBER: 312-621-6390

3. CITY: Chicago

4. STATE: Il.

5. ZIP CODE: 60606

I. SITE DESCRIPTION: SCUM COLLECTION POND FOR TANK CAR REFURBISHING PLANT

J. TYPE OF OWNERSHIP

- [ ] 1. FEDERAL
- [ ] 2. STATE
- [ ] 3. COUNTY
- [ ] 4. MUNICIPAL
- [x] 5. PRIVATE

EPA Region 5 Records Ctr.
300429

II. TENTATIVE DISPOSITION (complete this section last)

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

B. APPARENT SERIOUSNESS OF PROBLEM

- [ ] 1. HIGH
- [x] 2. MEDIUM
- [ ] 3. LOW
- [ ] 4. NONE

C. PREPARER INFORMATION

1. NAME: JEROME D. OSKVAREK

2. TELEPHONE NUMBER: 312-663-9415

3. DATE (mo., day, & yr.): SEPTEMBER 4, 1980

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME: MARK HUTSON

2. TITLE: HYDRO GEOLOGIST

3. ORGANIZATION: ECOLOGY AND ENVIRONMENT, INC

4. TELEPHONE NO. (area code & no.): 312-663-9415

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
RODNEY BLOESE	ECOLOGY & ENVIRONMENT, INC	312-663-9415
JEROME OSKVAREK	ECOLOGY & ENVIRONMENT, INC	312-663-9415
JOHN Cenoke	ECOLOGY & ENVIRONMENT, INC	312-663-9415

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

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
E.S. PARKER	MANAGER OF SAFETY AND ENVIRONMENTAL AFFAIRS 312-621-6390	GATX 120 S. RIVERSIDE PLAZA CHICAGO, ILL 60606
JOHN D. LEVIN	LAWYER 312-621-4578	GATX 120 S RIVERSIDE PLAZA CHICAGO, ILL 60606

Continue On Reverse

Continued From Front

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
GATX CORPORATION TANK CAR REPAIR PLANT #2	219-398-6300	4245 MAGICAL AVE EAST CHICAGO, ILL 46312	TANK CAR WASTE SOLVENT POSSIBLY CONTAINING PCBS

E. TRANSPORTER/HAULER INFORMATION

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

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
SCA CHEMICAL WASTE SERVICES, INC	716-754-8231	MODEL CITY N.Y. 14107

G. DATE OF INSPECTION (mo., day, & yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
SEPTEMBER 4, 1980	1100 HOURS	☒ 1. PERMISSION ☐ 2. WARRANT

J. WEATHER (describe)
80°F, Partly Cloudy to Hazy, Southerly Wind

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)			

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

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

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IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS

☒ a. GROUND ☐ b. AERIAL

2. PHOTOS IN CUSTODY OF:

MARK HUTSON, E+E, INC

D. SITE MAPPED?

☐ YES. SPECIFY LOCATION OF MAPS:

E. COORDINATES

1. LATITUDE (deg.-min.-sec.) 41° 38' 18"

2. LONGITUDE (deg.-min.-sec.) 87° 28' 24"

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 ☒ 2. YES (specify generator's four-digit SIC Code):

C. AREA OF SITE (in acres)

APPROXIMATELY 5 ACRES

D. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES (specify):

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	X	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		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. 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.

☐ 1. STORAGE ☐ 2. INCINERATION ☐ 3. LANDFILL ☒ 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

☒ 1. LIQUID ☒ 2. SOLID ☐ 3. SLUDGE ☐ 4. GAS

B. WASTE CHARACTERISTICS

☐ 1. CORROSIVE ☒ 2. IGNITABLE ☐ 3. RADIOACTIVE ☒ 4. HIGHLY VOLATILE

☒ 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.

Unknown

 Continue On Reverse

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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: UNKNOWN	AMOUNT: UNKNOWN	AMOUNT:	AMOUNT: UNKNOWN	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): UNKNOWN			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			X (9) PCB		
			(10) METALS		
			X (11) OTHER (specify): UNKNOWN		

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			
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

Unknown

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VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE

none

☐ C. WORKER INJURY/EXPOSURE

none

☐ D. CONTAMINATION OF WATER SUPPLY

none

☐ E. CONTAMINATION OF FOOD CHAIN

none

☒ F. CONTAMINATION OF GROUND WATER By percolation of contaminants from settling ponds through permeable fill material. This potential hazard should be part of future investigations.

☒ G. CONTAMINATION OF SURFACE WATER Flowage of ground water into Indiana Harbor Canal on east side of site. An oily film was observed on the canal surface. The oily film may have resulted from discharge(s) into the canal by other industries in the area.

☐ H. DAMAGE TO FLORA/FAUNA

none

☐ I. FISH KILL

none

☐ J. CONTAMINATION OF AIR

unknown

☒ K. NOTICEABLE ODORS PRIMARY AND SECONDARY TREATMENT PONDS EVOLVED NOTICABLE ODOR OF AN "OILY" ORGANIC NATURE

☒ L. CONTAMINATION OF SOIL FROM PCB'S, AND OTHER SOLVENTS AND CHEMICALS WASHED FROM DAMAGED TANK CARS AND STORED IN TREATMENT PONDS.

☐ M. PROPERTY DAMAGE

none

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☐ N. FIRE OR EXPLOSION

none

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

Standing [illegible] located on the eastern portion of the site. T[illegible] liquid appeared to be water from previous heavy rains.

☐ P. SEWER, STORM DRAIN PROBLEMS

none

☐ Q. EROSION PROBLEMS

none

☒ R. INADEQUATE SECURITY

FENCE RE-CONSTRUCTION HAS NOT BEEN COMPLETED WHICH WOULD SECURE THE AREA CONTAINING THE TREATMENT PONDS. The area east of the ponds and railroad tracks is accessible from Columbia Ave. No security or barriers to this portion of the site.

☐ S. INCOMPATIBLE WASTES

unknown

VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

none

☐ U. OTHER (specify):

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				
2. IN COMMERCIAL OR INDUSTRIAL AREAS	70		5	0.1 MILE
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
4 FEET	TO EAST TO INDIANA HARBOR CANAL	NONE
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure)**	**F. DIRECTION TO DRINKING WATER SUPPLY**
UNKNOWN	UNKNOWN	UNKNOWN

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS ☒ 2. COMMUNITY (specify town): > 15 CONNECTIONS GARY - HOBART WATER SYSTEM

☐ 3. SURFACE WATER ☐ 4. WELL

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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

☐ 2. SEWERS ☐ 3. STREAMS/RIVERS

☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

XI. SOIL AND VEGITATION DATA

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	1. SAND			X	Fill Material (Slag)
X	2. CLAY				
X	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: 1

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.: To Indiana Harbor Canal

J. OTHER GEOLOGICAL DATA

 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

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☒ YES (summarize in this space)

USEPA AND COMPANY OFFICIALS CONDUCTED A SITE INSPECTION ON DECEMBER 4, 1979

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 THREE [illegible] 1) PRIMARY [illegible] 2) SECONDARY [illegible] ALL 3, RUNOFF [illegible]

2. STABILITY/CONDITION OF EMBANKMENTS IN GOOD SHAPE, [illegible] HAPHAZARD [illegible]

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

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE
☒ YES ☐ NO ONLY PETROLEUM COCK IS [illegible] EVIDENCE OF MATERIALS [illegible]

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

8. SOIL STRUCTURE AND SUBSTRUCTURE LANDFILL ON AREA OF SITE, BLACK SOIL (A COMBINATION OF SAND SILT & CLAYS) UNDER SITE

9. MONITORING WELLS 3 WELLS WERE EMPLACED
☒ YES ☐ NO

10. LENGTH, WIDTH, AND DEPTH 1) PRIMARY POND (APPROX) - 130' x 35' x 12' OVAL SHAPE 2) SECONDARY POND (APPROX) 120 x 25' x 12' (OVAL SHAPE)
LENGTH WIDTH DEPTH 3) RUN OFF: 100' x 50' x 12' (OVAL SHAPE)

11. CALCULATED VOLUMETRIC CAPACITY APPROXIMATELY 1) PRIMARY — 52 000 CU FT 2) SECONDARY - 34,000 CU FT 3) RUNOFF POND - 58,000

12. PERCENT OF CAPACITY REMAINING VARIES SINCE MATERIAL IS REMOVED PERIODICALLY

13. ESTIMATE FREEBOARD
1) PRIMARY - 3 FEET 2) SECONDARY - 4 FEET 3) RUNOFF - 4 FEET

14. SOLIDS DEPOSITION
☒ YES ☐ NO

15. DREDGING DISPOSAL METHOD

16. OTHER EQUIPMENT