GENERAL ELECTRIC CORPORATION
FORT EDWARD

NEW YORK STATE SUPERFUND
PHASE I SUMMARY REPORT

FINAL

November 28, 1983

Prepared By:

Recra Research, Inc.
4248 Ridge Lea Road
Amherst, New York 14226

For:

New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

November 28, 1983

New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12232

Attention: Mr. Norman H. Nosenchuck, P.E.
Director - Division of Solid Waste

RE: PHASE I - PRELIMINARY INVESTIGATION OF THE GENERAL ELECTRIC FORT EDWARD PLANT

Dear Mr. Nosenchuck:

Attached, please find our Phase I - Preliminary Investigation of the above referenced site. These activities have been carried out under the New York State "Superfund" legislation.

Pertinent information regarding this site is summarized below.

The General Electric Fort Edward Plant (site I.D. 558004) is a facility which manufactures small industrial capacitors. The site is located less than 1,000 feet east of the Hudson River, north of Fort Edward, Washington County, New York. Although the facility has been listed as a hazardous waste disposal site by the New York State Department of Environmental Conservation, background information indicates that site contamination occurred through poor hazardous material transfer, storage and maintenance practices rather than actual waste disposal.

The entire plant area as well as a large portion of the surrounding off-site area have been found to be contaminated with polychlorinated biphenyls (PCBs) and trichloroethane (TCE). Groundwater monitoring wells are in place at various locations throughout the plant property as well as in areas adjacent to the plant. Groundwater sampling has revealed significant contamination by hazardous materials including: PCBs, tetrachloroethane, trichloroethane, 1,1,1-trichloroethane, 1,1-dichloroethane, trans-1,2-dichloroethane and vinyl chloride. Residents using contaminated groundwater wells were advised to seek other sources of drinking, cooking and washing water.

Springs located approximately 2,000 feet south of the site were found to be contaminated with levels of trichloroethane, 1,1,1-trichloroethane and trans-1,2-dichloroethane.

A Summary Abatement Order and Hearing Notice was issued by the Commissioner of the Department of Environmental Conservation in March 1983. The order was vacated in July 1983 after General Electric entered into a contract with the Village of Fort Edward to provide a permanent source of potable water to the affected residents. It does not appear that current manufacturing operations are contributing to groundwater contamination, although ground surface contamination persists.

In compiling the Hazard Ranking Score, the General Electric Fort Edward Plant was found to have a score for S_m equal to 36.0. However, because some route rating factors, due to data inadequancies, involve a certain degree of subjectivity, a range for the S_m was developed and found to be 30.0 to 50.0.

Should you have any questions or require additional information, please feel free to contact me directly.

Sincerely,

RECRA RESEARCH, INC.

Richard L. Crouch

Richard L. Crouch
Project Manager

LIST OF FIGURES

GENERAL ELECTRIC COMPANY
FORT EDWARD SITE

NEW YORK STATE SUPERFUND

PHASE I SUMMARY REPORT

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1.0 Executive Summary

The General Electric Fort Edward Plant is a facility which manufactures small industrial capacitors. The site is located less than 1,000 feet east of the Hudson River, in the Village of Fort Edward, Washington County, New York. Although the facility has been listed as a hazardous waste disposal site by the New York State Department of Environmental Conservation, background information indicates that site contamination occurred through poor hazardous material transfer, storage and maintenance practices rather than actual waste disposal.

Portions of the plant area as well as a large portion of the surrounding off-site area have been found to be contaminated with polychlorinated biphenyls (PCBs) and trichloroethane (TCE). Groundwater monitoring wells are in place at various locations throughout the plant property as well as in areas adjacent to the plant. Groundwater sampling has revealed significant contamination by hazardous materials including: PCBs, tetrachloroethane, trichloroethane, 1,1,1-trichloroethane, 1,1-dichloroethane, trans-1,2-dichloroethane and vinyl chloride. Residents using contaminated groundwater wells were advised to seek other sources of drinking, cooking and washing water.

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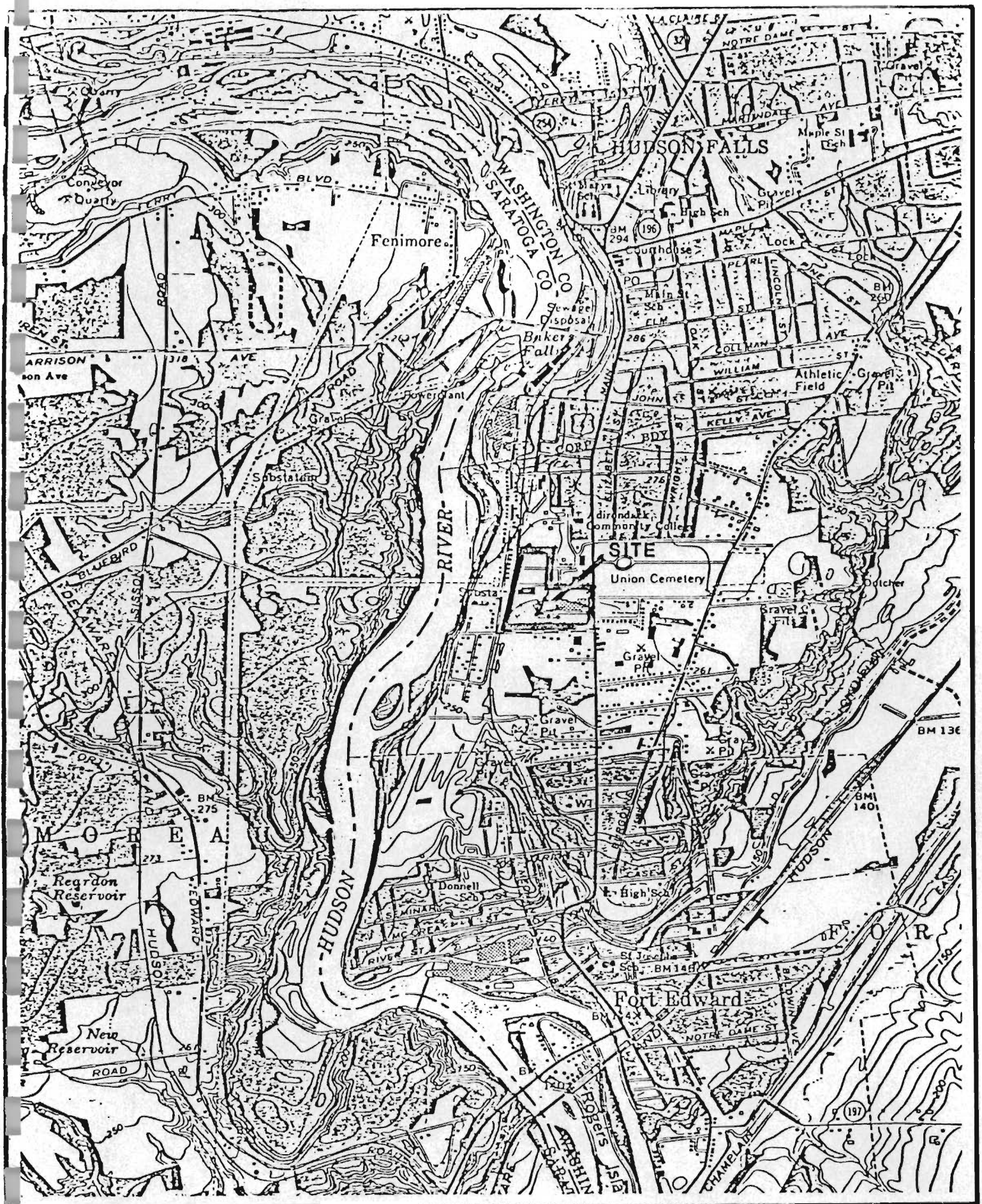
The order was vacated in July 1983 after General Electric entered into a contract with the Village of Fort Edward to provide a permanent source of potable water to the affected residents.

2.0 Site Description

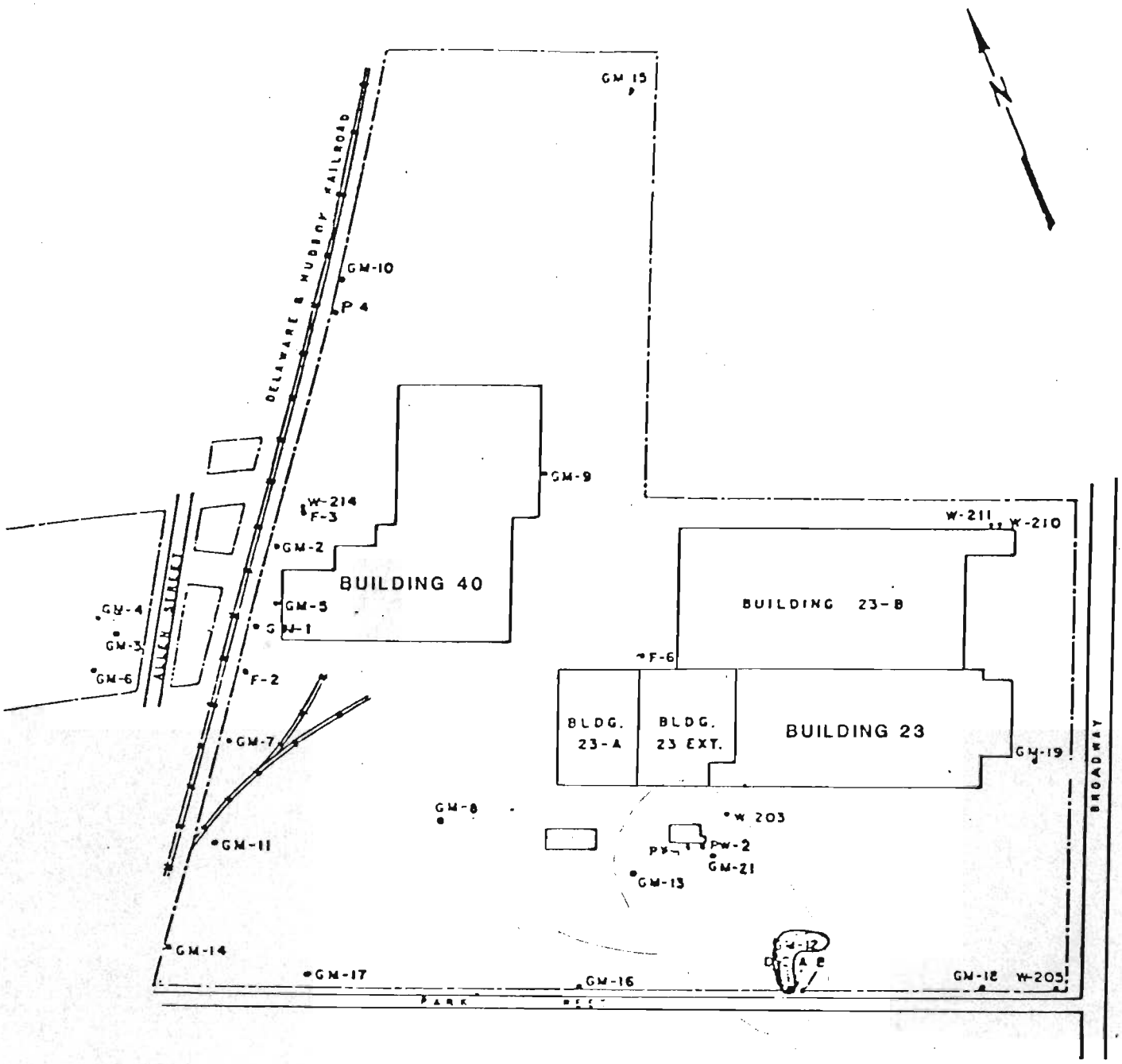
The General Electric Corporation plant occupies approximately ten (10) acres of land in a moderately populated section of the Village of Fort Edward, New York. The plant is located on the west side of U.S. Route 4 between the Village of Fort Edward and the Village of Hudson Falls (See Figure 1). Private residences border the plant property on the south, east and west with the northern border occupied by commercial businesses and the Washington County Offices. Access to the facility is limited by a chain link fence and guard (Reference 1).

Topography of the area is basically flat and gently slopes south directing surface run-off toward the Village of Fort Edward. The areas west and east of the facility are bounded by steep escarpments to the Hudson River and Old Champlain Canal respectively (Reference 2).

Portions of the plant area as well as a large portion of the surrounding area has been found to be contaminated with polychlorinated bipheyls (PCBs) and trichloroethane (TCE). These contaminants reportedly entered the ground as a result of plant operations and spillage. PCBs and TCE have been found in groundwater wells. A parking lot has been constructed over the area where the majority of the contaminants were believed to have been spilled. Also an abandoned leach field appears to be a significant source of groundwater contamination. Groundwater monitoring wells are in place at various locations throughout the plant property as well as in areas adjacent to the plant.



USGS Topographical Map 7.5' Hudson Falls, N.Y. Quad. 1966	VICINITY MAP G.E. FORT EDWARD	Figure 1



EXPLANATION

- GM-1 MONITORING WELL INSTALLED IN THIS STUDY
- W-203 MONITORING WELL INSTALLED DAMES & MOORE, INC.
- F-6 MONITORING WELL INSTALLED PRIOR TO THIS STUDY
- PW-1 DEEP PRODUCTION WELL

Scale as shown	SITE MAP G.E. FORT EDWARD	Figure 2

Ground Water Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
[1] Observed Release	0 (45)	1	45	45	3.1
If observed release is given a score of 45, proceed to line [4]. If observed release is given a score of 0, proceed to line [2]					
[2] Route Characteristics					3.2
Depth to Aquifer of Concern	0 1 2 3	2		6	
Net Precipitation	0 1 2 3	1		3	
Permeability of the Unsaturated Zone	0 1 2 3	1		3	
Physical State	0 1 2 3	1		3	
Total Route Characteristics Score				15	
[3] Containment	0 1 2 3	1		3	3.3
[4] Waste Characteristics					3.4
Toxicity/Persistence	0 3 6 9 12 (15) 18	1	15	18	
Hazardous Waste Quantity	0 1 2 3 4 5 (6) 7 8	1	6	8	
Total Waste Characteristics Score			21	26	
[5] Targets					3.5
Ground Water Use	0 1 2 (3)	3	9	9	
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 [20] / 24 30 32 35 40	1	20	40	
Total Targets Score			29	49	
[6] If line [1] is 45, multiply [1] x [4] x [5]. If line [1] is 0, multiply [2] x [3] x [4] x [5]			2745	57,330	
[7] Divide line [6] by 57,330 and multiply by 100			S_{gw} = 47.8		

FIGURE 2
GROUND WATER ROUTE WORK SHEET

3.0 Preliminary Hazard Ranking System Score

Facility name: General Electric Corporation Capacitor Products Dept.

Location: Route 4, Ft. Edward, NY 12828

EPA Region: 2

Person(s) in charge of the facility: General Electric Corporation

Name of Reviewer: Recra Research, Inc. Date:

General description of the facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility, contamination route of major concern; types of information needed for rating; agency action, etc.)

Active capacitor manufacturing plant. Site contamination occurred through poor hazardous material transfer, storage and maintenance practices rather than actual waste disposal. Significant contamination of domestic groundwater supplies with hazardous materials such as PCB's, trichloroethane and trichlorobenzene.

Scores: $S_M = 36.0$ ($S_{gw} = 47.8$ $S_{sw} = 26.9$ $S_a = 29.5$)

$S_{FE} = 5.4$

$S_{DC} = 25.0$ Range: 30.0 to 50.0

FIGURE 1
HRS COVER SHEET

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
[1] Observed Release	0 (45)	1	45	45	4.1
If observed release is given a value of 45, proceed to line [4]. If observed release is given a value of 0, proceed to line [2]					
[2] Route Characteristics					4.2
Facility Slope and Intervening Terrain	0 1 2 3	1		3	
1-yr. 24-hr. Rainfall	0 1 2 3	1		3	
Distance to Nearest Surface Water	0 1 2 3	2		6	
Physical State	0 1 2 3	1		3	
Total Route Characteristics Score				15	
[3] Containment	0 1 2 3	1		3	4.3
[4] Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 12 (15) 18	1	15	18	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			16	26	
[5] Targets					4.5
Surface Water Use	0 1 (2) 3	3	6	9	
Distance to a Sensitive Environment	(0) 1 2 3	2	0	6	
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 / 12 16 (18) 20 / 24 30 32 35 40	1	18	40	
Total Targets Score			24	55	
[6] If line [1] is 45, multiply [1] x [4] x [5]. If line [1] is 0, multiply [2] x [3] x [4] x [5]			17,280	64,350	
[7] Divide line [6] by 64,350 and multiply by 100			S_{SW} = 26.85		

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
[1] Observed Release	0 (45)	1	45	45	5.1
Date and Location:					
Sampling Protocol:					
If line [1] is 0, the S_a = 0. Enter on line [5]. If line [1] is 45, then proceed to line [2].					
[2] Waste Characteristics					5.2
Reactivity and Incompatibility	(0) 1 2 3	1	0	3	
Toxicity	0 1 2 (3)	3	9	9	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			10	20	
[3] Targets					5.3
Population Within 4 Mile Radius	0 9 12 15 18 (21) 24 27 30	1	21	30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 (2) 3	1	2	3	
Total Targets Score			23	39	
[4] Multiply [1] x [2] x [3]			10,350	35,100	
[5] Divide line [4] by 35,100 and multiply by 100			S_a = 29.48		

FIGURE 9
AIR ROUTE WORK SHEET

Fire and Explosion Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)	
[1] Containment	1 (3)	1	3	3	7.1	
[2] Waste Characteristics					7.2	
Direct Evidence	(0) 3	1	0	3		
Ignitability	(0) 1 2 3	1	0	3		
Reactivity	(0) 1 2 3	1	0	3		
Incompatibility	(0) 1 2 3	1	0	3		
Hazardous Waste Quantity	0 1 [2] 3 4 5 6 7 8	1	2	8		
Total Waste Characteristics Score			2	20		
[3] Targets					7.3	
Distance to Nearest Population	0 1 2 (3) 4 5	1	3	5		
Distance to Nearest Building	0 (1) 2 3	1	1	3		
Distance to Sensitive Environment	(0) 1 2 3	1	0	3		
Land Use	0 1 2 (3)	1	3	3		
Population Within 2-Mile Radius	0 1 2 (3) 4 5	1	3	5		
Buildings Within 2-Mile Radius	0 1 2 (3) 4 5	1	3	5		
Total Targets Score			13	24		
[4] Multiply [1] x [2] x [3]			78	1,440		
[5] Divide line [4] by 1,440 and multiply by 100			S_{FE} - 5.4			

FIGURE 11
FIRE AND EXPLOSION WORK SHEET

	S	S^2
Groundwater Route Score (S_{gw})	47.8	2,285.05
Surface Water Route Score (S_{sw})	26.85	721.09
Air Route Score (S_a)	29.48	869.49
$S_{gw}^2 + S_{sw}^2 + S_a^2$		3815.63
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		62.25
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M$		35.99

FIGURE 10
WORKSHEET FOR COMPUTING S_M

Direct Contact Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Incident	0 (45)	1	45	45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 3	1		3	8.2
3 Containment	0 15	1		15	8.3
4 Waste Characteristics Toxicity	0 1 2 (3)	5	15	15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 (2) 3 4 5	4	8	20	
Distance to a Critical Habitat	(0) 1 2 3	4	0	12	
Total Targets Score			8	32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			5400	21,600	
7 Divide line 6 by 21,600 and multiply by 100			S_{DC} = 25.0		

FIGURE 12
DIRECT CONTACT WORK SHEET

3.1 Documentation Records for Hazard Ranking System

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: General Electric Corporation Capacitor Products Dept.

LOCATION: Route 4, Ft. Edward, NY 12828

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

PCB's
TRICHLORDETHYLENE
TRICHLORDETHANE
TRICHLORD BENZENE
CHLORDFORM (REF 5)

Rationale for attributing the contaminants to the facility:

ANALYSIS OF SAMPLES FROM GROUNDWATER MONITORING WELLS (REF 5)

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

SHALLOW WATER TABLE AQUIFER AND
SHALE BEDROCK AQUIFER OF THE SNAKE HILL FORMATION (REF 5)

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

APPROXIMATELY 10' FOR SHALLOW AQUIFER
APPROXIMATELY 60' FOR SHALE BEDROCK AQUIFER
REF 5

Depth from the ground surface to the lowest point of waste disposal/ storage:

WASTE MATERIALS DISPOSED OF AND
SPILLED DIRECTLY ONTO GROUND SURFACE
(REF 7)

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

40 INCHES (REF 14)

Mean annual lake or seasonal evaporation (list months for seasonal):

28 INCHES (REF 14)

Net precipitation (subtract the above figures):

12 INCHES

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

OAKVILLE LOAMY FINE SAND (REF 12)

Permeability associated with soil type:

$10^{-3} - 10^{-5}$ cm/sec (Ref 14)

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

LIQUID (REF 4)

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

NO CONTAINMENT AT TIME OF DISPOSAL (REF 4)

Method with highest score:

UNCONTAINED WASTE

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

PCB'S
TRICHLORDETHANE
TRICHLORO BENZENE (REF 7)

Compound with highest score:

PCB
TRICHLOROBENZENE (REF 14)

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4160 DRUMS (REF 15)

Basis of estimating and/or computing waste quantity:

100 gal or 2 DRUMS/WK x 52 WEEKS = 104 drums/year x 40 yr = 4160

* * *

5 TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

DRINKING WATER SUPPLIES AND OTHER DOMESTIC USES (REF 6)

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

< 100 FEET FROM PLANT PROPERTY

Distance to above well or building:

< 100 FEET

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

ESTIMATED TO BE BETWEEN 100 - 400 WELLS FOR 3 MILE RADIUS

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

NA

Total population served by ground water within a 3-mile radius:

ESTIMATED TO BE BETWEEN 380 AND 1520 PEOPLE

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

NO OBSERVED SURFACE WATER RELEASE AT SITE

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

0% REF 2

Name/description of nearest downslope surface water:

HUDSON RIVER APPROXIMATELY 1100' WEST

Average slope of terrain between facility and above-cited surface water body in percent:

$\frac{10}{1100} = .00909 \times 100 = .9\%$ (REF 2)

Is the facility located either totally or partially in surface water?

NO

Is the facility completely surrounded by areas of higher elevation?

NO

1-Year 24-Hour Rainfall in Inches

2.5 INCHES

Distance to Nearest Downslope Surface Water

1100 FEET

Physical State of Waste

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

UNCONTAINED

Method with highest score:

UNCONTAINED WASTE

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

TRICHLORDETHANE
1,11 - TRICHLORETHANE

Compound with highest score:

TRICHLORDETHANE

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

UNKNOWN

Basis of estimating and/or computing waste quantity:

* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

HUDSON RIVER AT FORT EDWARD IS CLASSIFYED AS "D" - SUITABLE FOR SECONDARY CONTACT RECREATION (REF 3)

Is there tidal influence?

NO

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

NA

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

NA

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

NA

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

NO WATER INTAKES WITHIN 3 MILES

REF 2

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

NA

Total population served:

NA

Name/description of nearest of above water bodies:

HUDSON RIVER CLASS "D" WATER RESOURCE

Distance to above-cited intakes, measured in stream miles.

NA

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

PCB MONITOR ON WASHINGTON COUNTY OFFICE BUILDING

Date and location of detection of contaminants

1977, 1978, 1979 AIR DATA BY NYSDEC

Methods used to detect the contaminants:

FLORISIL CARTRIDGE - 24 HR. SAMPLING

Rationale for attributing the contaminants to the site:

GE IS THE PROBABLE SOURCE
WINDS BLOWING TO NORTH GIVE HIGHER READING

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

NA

Most incompatible pair of compounds:

NA

Toxicity

Most toxic compound:

PCB - 100-300 ng/m3

Hazardous Waste Quantity

Total quantity of hazardous waste:

UNKNOWN

Basis of estimating and/or computing waste quantity:

NA

* * *

3 TARGETS

Population Within 4-Mile Radius

ied:

Circle radius used, give population, and indicate how det

mi

0 to 4 mi 0 to 1 mi 0 to 1/2 mi 0 to

7101 PEOPLE WITHIN 1/2 MILE

Distance to a Sensitive Environment

ess:

Distance to 5-acre (minimum) coastal wetland, if 2 miles

NA

r less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mi

NA

Distance to critical habitat of an endangered species, if 1 mile or less:

NA

Land Use

Distance to commercial/industrial area, if 1 mile or less:

½ MILE

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

NA

Distance to residential area, if 2 miles or less:

NA

Distance to agricultural land in production within past 5 years, if 1 mile or less:

NA

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

NA

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

NA

3.2 EPA PRELIMINARY ASSESSMENT (FORM 2070-12)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 558004

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
GENERAL ELECTRIC COMPANY CAPACITOR PRODUCTS DEPARTMENT	ROUTE 4				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
FORT EDWARD	NY	12828	WASHINGTON		
09 COORDINATES LATITUDE: 43 16 40.0	LONGITUDE: 073 35 13.0				

10 DIRECTIONS TO SITE (Starting from nearest public road)

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)		
GENERAL ELECTRIC COMPANY			
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**
			( )
07 OPERATOR (If known and different from owner)	**08 STREET** (Business, mailing, residential)		
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**
			( )

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☐ YES DATE ___/___/___ (MONTH DAY YEAR)
☒ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)	03 YEARS OF OPERATION		
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	1940'S (BEGINNING YEAR)	– (ENDING YEAR)	☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
PCB's, TRICHLORDETHANE, TRICHLOR ETHYLENE, TRICHLOROBENZENE, CHLOROFORM

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
AREA RESIDENCES ON GROUNDWATER FOR DOMESTIC SUPPLY.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
RICHARD L CROUCH	RECRA RESEARCH, INC.	(716) 838-6200

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
ANDRE J. LAPRES	–	RECRA	(716) 838-6200	___/___/___ (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	558004

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A SOLID
- ☐ B POWDER, FINES
- ☐ C SLUDGE
- ☐ D OTHER _____ (Specify)
- ☐ E SLURRY
- ☒ F. LIQUID
- ☐ G GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS UNKNOWN
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A TOXIC
- ☐ B CORROSIVE
- ☐ C RADIOACTIVE
- ☒ D PERSISTENT
- ☒ E SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G FLAMMABLE
- ☐ H IGNITABLE
- ☒ I HIGHLY VOLATILE
- ☐ J EXPLOSIVE
- ☐ K REACTIVE
- ☐ L INCOMPATIBLE
- ☐ M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OLW	PCB	1336-36-3		16	ug/l
SOL	TRICHLORO ETHANE	25323-89-1		2,000	ug/l
SOL	TRICHLORO ETHYLENE	79-01-6		40,000	ug/l
SOL	TRICHLOROBENZENE	12002-48-1		1100	ug/l
IOC	CHLOROFORM	67-66-3		34	ug/l

V. FEEDSTOCKS (See Appendix for CAS Numbers) N/A

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 658004

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
02 [X] OBSERVED (DATE 1982) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
PCB CONTAMINATION CONFIRMED BY ANALYTICAL TESTING OF RESIDENTIAL WELLS IN THE SITE VICINITY.

01 [X] B. SURFACE WATER CONTAMINATION
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
POTENTIAL DUE TO SURFACE RUNOFF

01 [X] C. CONTAMINATION OF AIR
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
POTENTIAL FOR VOLATILIZATION OF TOXIC MATERIALS

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
UNKNOWN

01 ☐ E. DIRECT CONTACT
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
NO RECORD

01 [X] F. CONTAMINATION OF SOIL
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres)
04 NARRATIVE DESCRIPTION
TOXIC MATERIALS WERE SPILLED DIRECTLY ONTO GROUND SURFACE

01 [X] G. DRINKING WATER CONTAMINATION
02 [X] OBSERVED (DATE: 12/82, 1/83) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
CONTAMINATION OF PRIVATE SHALLOW AND DEEP WELLS HAS BEEN CONFIRMED BY ANALYTICAL TESTING CONDUCTED BY N.Y.S. DEPT OF HEALTH.

01 [X] H. WORKER EXPOSURE/INJURY
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
POSSIBLE LONG TERM CONTACT WITH TOXIC MATERIALS

01 [X] I. POPULATION EXPOSURE/INJURY
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
EXPOSURE POSSIBLE THROUGH PRIVATE WATER SUPPLIES

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 558004

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [X] J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
POTENTIAL EXIST, SINCE, CONTAMINANTS HAVE BEEN IDENTIFIED IN AREA WATER WELLS & NEAR BY SPRING.

01 [X] K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
POTENTIAL EXIST, AREA ANIMALS MAY COME IN CONTACT WITH SPRINGS WHICH HAVE BEEN IDENTIFIED AS CONTAMINATED W/ TRICHLOROETHANE, ETC.

01 [X] L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
CONTAMINATION MAY BE PASSED INTO FOOD CHAIN. HOWEVER NO DATA COMFIRMS THIS.

01 [X] M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff standing liquids leaking drums) — 02 [X] OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
WASTE WERE SPILLED ON GROUND SURFACE

01 [X] N. DAMAGE TO OFFSITE PROPERTY — 02 [X] OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
CONTAMINATION OF PRIVATE WATER SUPPLIES

01 [X] O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
SPILLED MATERIALS ENTERED SEWERS AND DRAINS

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)
REF-7

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 558004

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
GENERAL ELECTRIC COMPANY. CAPACITOR PRODUCTS DEPARTMENT	ROUTE 4				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
FT. EDWARD	N.Y.	12828	WASHINGTON		

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
43 16 40.0	073 35 13.0	[X] A. PRIVATE [ ] B. FEDERAL _____ [ ] C. STATE [ ] D. COUNTY [ ] E. MUNICIPAL [ ] F. OTHER _____ [ ] G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
___/___/___ MONTH DAY YEAR	[ ] ACTIVE [ ] INACTIVE	____ BEGINNING YEAR ____ ENDING YEAR ____ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
[ ] A. EPA [ ] B. EPA CONTRACTOR _____ (Name of firm) [ ] C. MUNICIPAL [ ] D. MUNICIPAL CONTRACTOR _____ (Name of firm)
[ ] E. STATE [X] F. STATE CONTRACTOR RECRA RESEARCH, INC. (Name of firm) [ ] G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
DUE TO THE EXTENSIVE INSPECTIONS			( )

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
AND INVESTIGATIONS PREVIOUSLY CONDUCTED			( )
AT THE SITE AND THE COMPANY'S INVOLVEMENT			( )
IN LEGAL PROCEEDINGS, GENERAL ELECTRIC			( )
WOULD NOT GRANT PERMISSION FOR RECRA			( )
RESEARCH, INC. TO CONDUCT AN INVESTIGATION			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
OF THE SITE.			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
[ ] PERMISSION [ ] WARRANT		

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
RICHARD L CROUCH	RECRA RESEARCH, INC.	(716) 838-6200

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
ANDRE J. LAPRES	—	RECRA	(716) 838-6200	8 / 1 / 83 MONTH DAY YEAR

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	558004

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

☐ A SOLID ☐ E SLURRY
☐ B POWDER, FINES ☐ F LIQUID
☐ C SLUDGE ☐ G GAS
☐ D OTHER _____ (Specify)

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS _____
NO OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

☐ A TOXIC ☐ E SOLUBLE ☐ I HIGHLY VOLATILE
☐ B CORROSIVE ☐ F INFECTIOUS ☐ J EXPLOSIVE
☐ C RADIOACTIVE ☐ G FLAMMABLE ☐ K REACTIVE
☐ D PERSISTENT ☐ H IGNITABLE ☐ L INCOMPATIBLE
☐ M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	558004

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0 558004

II. HAZARDOUS CONDITIONS AND INCIDENTS (If known)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include names(s) of species)

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
(Spills/Runoff/Standing liquids/Leaking drums)
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	558004

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER _____ (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER _____ (Specify)

05 OTHER

- ☐ A. BUILDINGS ON SITE

06 AREA OF SITE

_____ (Acres)

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☐ NO

02 COMMENTS

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
NY 980004

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as appropriate)	SURFACE	WELL
COMMUNITY	A. ☐	B. ☐
NON-COMMUNITY	C. ☐	D. ☐

02 STATUS	ENDANGERED	AFFECTED	MONITORED
	A. ☐	B. ☐	C. ☐
	D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE
A _____ (mi)
B _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)

02 POPULATION SERVED BY GROUND WATER _____ 03 DISTANCE TO NEAREST DRINKING WATER WELL _____ (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
_____ (ft)	_____	_____ (ft)	_____ (gpd)	☐ YES ☐ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ☐ NO	COMMENTS	☐ YES ☐ NO	COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
_____	☐	_____ (mi)
_____	☐	_____ (mi)
_____	☐	_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE: A. _____ NO. OF PERSONS
TWO (2) MILES OF SITE: B. _____ NO. OF PERSONS
THREE (3) MILES OF SITE: C. _____ NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION
_____ (mi)

NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE
_____

04 DISTANCE TO NEAREST OFF-SITE BUILDING
_____ (mi)

POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	558004

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
_____ (ft)	_____ (ft)	_____	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
_____ (in)	_____ (in)	_____ %		_____ %

09 FLOOD POTENTIAL	10
SITE IS IN _____ YEAR FLOODPLAIN	☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)		12 DISTANCE TO CRITICAL HABITAT (of endangered species)
ESTUARINE	OTHER	_____ (mi)
A. _____ (mi)	B. _____ (mi)	ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS	
		PRIME AG LAND	AG LAND
A. _____ (mi)	B. _____ (mi)	C. _____ (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	558004

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☐ GROUND ☐ AERIAL

02 IN CUSTODY OF _____
(Name of organization or individual)

03 MAPS
☐ YES
☐ NO

04 LOCATION OF MAPS _____

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	558004

II. CURRENT OWNER(S)

01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE

PARENT COMPANY (If applicable)

08 NAME		09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE
12 CITY	13 STATE	14 ZIP CODE
08 NAME		09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE
12 CITY	13 STATE	14 ZIP CODE
08 NAME		09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE
12 CITY	13 STATE	14 ZIP CODE
08 NAME		09 D+B NUMBER
10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE
12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART B - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	SS8004

II. CURRENT OPERATOR (If more than one, list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE	08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE	08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1 NAME	02 D+B NUMBER	3 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	5 CITY	06 STATE	07 ZIP CODE	8 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	5 CITY	06 STATE	07 ZIP CODE	8 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	14 CITY	15 STATE	16 ZIP CODE
10 NAME	11 D+B NUMBER	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	14 CITY	15 STATE	16 ZIP CODE
10 NAME	11 D+B NUMBER	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	558004

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	558004

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	558004

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	558004

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

4.0 Site History

The Fort Edward facility has been manufacturing small industrial capacitors since the early 1940's. In its manufacturing activities the facility has used large quantities of toxic chemicals including: trichloroethane, 1,1,1-trichloroethane, toluene, trichlorobenzene, bis (2-ethyl hexyl) phthalate, di-n-butyl phthalate, xylene, polychlorinated biphenyls (PCBs) and kerosene (Reference 7).

Background information indicates that site contamination occurred through poor hazardous material transfer, storage and maintenance practices rather than actual waste disposal. PCBs had been received by railroad tank cars. The PCBs were unloaded to the storage facility resulting in contamination of the unloading area when material leaked or spilled. PCBs were also lost through incidental leaks and spills during a filtration process, as well as during transfer following filtration to storage tanks (Reference 3).

The impregnation process of the capacitors involved flood filling of PCBs. This process resulted in extensive exterior contamination of the capacitors. Process water from the exterior washing operation were normally contract incinerated; however, leaks and spills which were not recovered were intercepted by trenches and drains discharging to the Hudson River (Reference 3).

Process waters from other miscellaneous operations were also discharged to the Hudson River (Reference 3). Trichloroethane (TCE) was used as a degreaser of the capacitor cans. A former employee reported that the waste TCE was put into drums and disposed of by punching holes in the drums and

allowing the contents to drain into the ground surface. TCE was also used to clean floors, and subsequently flowed into a floor drain (Reference 4).

Investigation of the sanitary septic tank/leach field combination by consultant to General Electric revealed significant oil and kerosene contamination. An apparent overflow connection between the sewer and the leach field cess pool was discovered. In addition, excavation in the west expansion to the aluminum rolling mill revealed kerosene accumulation on the surface of the water table. Overflows from the kerosene return trench were discharged to a non-operative oil/water separator which subsequently overflowed to the sanitary pump station (Reference 3).

Area residents became concerned when PCBs were identified as toxic substances. The State Health Department collected approximately thirty (30) samples during the mid to late 1970's. Although no PCB contamination was discovered at that time, subsequent sampling has revealed significant contamination by hazardous materials including: tetrachloroethane, trichloroethane, 1,1,1-trichloroethane, 1,1-dichloroethane, trans-1,2-dichloroethane and vinyl chloride (Reference 6). Residents using contaminated groundwater wells were advised to seek other sources of drinking, cooking and washing water.

Springs located approximately 2,000 feet south of the site were found to be contaminated with levels of trichloroethane, 1,1,1-trichloroethane and trans-1,2-dichloroethane (Reference 7).

A Summary Abatement Order and Hearing Notice was issued by the Commissioner of the Department of Environmental Conservation March 1983, due

to the imminent danger posed by the site to the health and welfare of persons using these contaminated wells (Reference 7). The abatement order was vacated in July 1983 after General Electric entered into a contract with the Village of Fort Edward to provide a permanent source of potable water to the affected residents.

The DEC Divison of Hazardous Waste Enforcement is currently in the process of developing a consent order with General Electric (Reference 9, 10).

5.0 Site Data

5.1 Site Area Surface Features

5.1.1 Topography and Drainage - Topography of the area is basically flat and gently slopes southward. The areas west and east of the facility are bounded by steep escarpments to the Hudson River and Old Champlain Canal, respectively. The site is located less than 1,000 feet east of the Hudson River.

Surface drainage generally flows southerly toward the Village of Fort Edward. There are no surface water features on or flowing through the site.

5.1.2 Environmental Setting - The General Electric site is located midway between the Village of Fort Edward, to the south, and Hudson Falls, to the north. The facility is located in a moderately populated area with private residences bordering the plant property on the southern, eastern and western borders. There are no critical habitats of endangered species, or wildlife refuges in the vicinity. Woodlands border the steep sides of the Hudson River escarpment west of the site. The Hudson River at Fort Edward is classified as a Class D waters (Reference 3).

5.2 Hydrogeology

5.2.1 Geology - The subsurface at the Fort Edward Plant site can be divided into two major geologic units.

A. Consolidated Deposits

The shallowest bedrock unit underlying the Fort Edward area is shale of the Snake Hill Formation which is approximately 600 feet thick. Beds in the shale unit are vitually horizontal in the area between Fort Edward and Glens Falls. The Snake Hill shales have a low permeability, and ground water in the formation is transmitted through fractures, joints, bedding and cleavage planes. Ordovician age limestones underlie the Snake Hill shale. Groundwater flow in the limestone is also controlled by fractures, joints and bedding planes, some of which have been enlarged by solution (Reference 5).

B. Unconsolidated Deposits

A sequence of unconsolidated materials was deposited on the eroded surface of the Snake Hill shales during glacial time. A veneer of till, one (1) to twelve (12) feet thick, lies directly on top of the bedrock under most of the plant site. The permeability of this layer is generally low. Varved clay with thin, interbedded silty and sandy lenses overlies the till under most of the Fort

Edward site. The clay is generally absent in the area where the bedrock is closest to the ground surface. The clay deposits thicken to the west and east (Reference 5).

The uppermost geologic unit at the Fort Edward site is an extensive layer of well-sorted sand extending from the top of clay to the ground surface. In the general vicinity of the plant, this layer ranges from 5 to 33 feet in thickness (Reference 5). Appendix C presents the figures used to describe the geology of the site.

5.2.2 Soils - The soil association for most of the Fort Edward site is Oakville loamy fine sand with zero (0) to five (5) percent slope. The Oakville series consists of deep, excessively drained, sandy soils. These soils were formed in water-sorted deposits from shale, slate, sandstone and sandy deposits, and are on deltas and terraces. These are poor agricultural soils due to lack of moisture and low natural fertility (Reference 12).

A small area of Claverack loamy fine sand with a zero (0) to two (2) percent slope is located in the southwest portion of the site. This soil is deep, moderately well drained and coarse-textured. The soil formed in twenty (20) to forty (40) inches of sandy material over lacustrine silt and clay (Reference 12).

5.2.3 Groundwater - Groundwater, in the site vicinity, is transmitted through an upper sand unit and bedrock. The general flow of groundwater has been determined to be in a south-southeast direction, with some flow from the northern section of the site flowing in a northwesterly direction (Reference 5, see Appendix C). Until recently, numerous residents, in the vicinity of the site, relied on groundwater as a sole source of potable water. These wells consist of both shallow well points, generally less than 25 feet in depth and bedrock well points, rangin from 65 to 300 feet in depth. However, since the drought years of the early 1960's the shallow wells are of limited use.

5.3 Previous Sampling and Analysis

5.3.1 Groundwater Quality Data - Groundwater in the vicinity of the General Electric Company Capacitor Plant is highly contaminated. Monitoring well data collected by three different consulting firms, as well as the New York State Departments of Health and Environmental Conservation indicate severe and extensive contamination. It has been determined that the groundwater beneath the site is contaminated with a number of hazardous wastes including: trichloroethane, 1,1,1-trichloroethane, toluene, 1,2,4-trichlorobenzene, bis (2-ethyl hexyl) phthalate, di-n-butyl phthalate, polychlorinated biphenyls, kerosene, 1,1-dichloroethene, 1,1-dichloroethane, trans-1,2-dichloroethene, chloroethane, vinyl chloride, chloroform, ben-

zene, chlorobenzene, ethyl benzene, methylene chloride, 1,1,2-trichloroethane, tetrachloroethene, phenyl ether, naphthalene, NC8 (n-octane), 1,2,4-trimethylbenzene, 1,2,3,4-tetramethylbenzene, 2-methylnaphthalene and 1-methylnaphthalene (Reference 7). Private wells have been closed as a result of contamination and residences on Park Avenue and Stevens Lane were connected to the municipal water supplies. The exact areal extent of contamination has not been determined at this time.

Samples of the groundwater quality data collected for the Fort Edward site are presented on the following pages.

5.3.2 Surface Water Quality Data - Some surface water quality testing has been done. Springs located south of the site have been found to be contaminated with levels of trichloroethane, 1,1,1-trichloroethane and trans 1,2-dichloroethane (Reference 7).

Data tables describing surface water quality are presented in the following section.

5.3.3 Air Quality Data - Air quality studies have been reviewed for the preliminary Fort Edward site assessment.

5.3.4 Other Analytical Data - Soil samples were taken by a consultant to General Electric in 1976. The highest content of PCB's at Fort Edward was 11,100 ppb in a soil sample at one foot depth in the southeastern section of the site. PCB's were found in the soils, shallow aquifer and deep aquifer at the site. PCB content in the soil was 10 times to more than 10,000 times the amount found in groundwater (Reference 13). Soil sample data is presented in the following section.

EXHIBIT A

POSITIVE RESULTS

DATE	RESIDENCE	ADDRESS	CONTAMINANT	CONCENTRATION (micrograms per liter)
January 12, 1983	Powhida	4 Stevens Lane	trichloroethene	24,000
	Abbenante	8 Stevens Lane	trichloroethene	8,000
			trans-1,2-dichloroethene	1,300
	Murray	25 Hillview Avenue	trichloroethene	6,200
			trans-1,2-dichloroethene	450
	Bowe	807 Ethan Allen Street	1,2-dichloroethane	6
	Bertok	71 Burgoyne Avenue	chlorobenzene	80
January 6, 1983	Arlington	14 Stevens Lane	trichloroethene	34,000
	Alden/Powers	13 Stevens Lane	trichloroethene	44,000
			trans-1,2-dichloroethene	400
			benzene	104
December 27, 1982	Arlington	14 Stevens Lane	trichloroethene	21,000
			trans-1,2-dichloroethene	100
	Alden/Powers	13 Stevens Lane	trichloroethene	45,000
			trans-1,2-dichloroethene	970
			1,1,1-trichloroethane	500
	Abbenante	8 Stevens Lane	trichloroethene	>50,000
			trans-1,2-dichloroethene	2,800
			1,1,1-trichloroethane	210
	Powhida	4 Stevens Lane	trichloroethene	14,000
December 9, 1982	Arlington	14 Stevens Lane	tetrachloroethene	2
			trichloroethene	11,000
			trans-1,2-dichloroethene	68
			1,1,1-trichloroethene	9
			1,2-dichloroethane	2
			carbon tetrachloride	2
	Hilton	24 Putnam Avenue	trichloroethene	2

(Continued)
FORT EDWARD SAMPLING
POSITIVE RESULTS

DATE	RESIDENCE	ADDRESS	CONTAMINANT	CONCENTRATION (micrograms per liter)
September 8, 1982	Vecchio	770 Park Avenue	trichloroethene	68
	Butto	746 Park Avenue	trans-1,2-dichloroethene	2
			vinyl chloride	2
			1,1-dichloroethane	2
	Lape	740 Park Avenue	trichloroethene	42
			trans-1,2-dichloroethene	370
			vinyl chloride	260
			1,1,1-trichloroethane	4
			1,1-dichloroethane	60
			1,2-dichlorobenzene	3
	Potter	66 Lower Allen Street	trans-1,2-dichloroethene	1
August 18, 1882	Terrio	754 Park Avenue	tetrachloroethene	2
			trichloroethene	47
			trans-1,2-dichloroethene	1
			1,1,1-trichloroethane	65

Table 4. Volatile Organic Analysis of Water From Monitoring Wells (all results in ug/L).

Well No.	GM-1	GM-2*	GM-2*	GM-2*	GM-2*	GM-3	GM-4	GM-5
Sample Date	7-15-82	7-12-82	7-12-82	7-12-82	7-12-82	7-16-82	7-15-82	9-13-82
Analyzed By	ERCO	ERCO	ERCO	ERCO	ERCO	ERCO	ERCO	ERCO
Volatile Organic Compounds								
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	ND	ND	ND	ND	ND	ND	ND	Tr
Trans-1,2-dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	13
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND
Total VOA	ND	ND	ND	ND	ND	ND	ND	13

ND = Not detected
Tr = 1-9 ppb
* = Replicate samples collected at the same time for quality control purposes
Trace = <2 ppb

Table 4. (Continued)

Well No.	GM-7	GM-8	GM-9	GM-10	GM-12A	Field Blank Near GM-12A	GM-12A	Field Blank Near GM-12A
Sample Date	9-13-82	9-13-82	9-13-82	9-13-82	7-15-82	7-15-82	9- 9-82	9-13-82
Analyzed By	GCA	GCA	GCA	GCA	ERCO	ERCO	GCA	GCA
Volatile Organic Compounds								
Trichloroethylene	ND	41	Trace	ND	2,500	ND	950	ND
1,1,1-trichloroethane	ND	2,000	ND	9.0	60	ND	46	Trace
1,1-dichloroethylene	ND	26	ND	ND	ND	ND	4.6	ND
1,1-dichloroethane	ND	900	ND	6.7	ND	ND	72	ND
Trans-1,2-dichloroethylene	ND	2,900	ND	ND	4,000	ND	>1,700	ND
Chloroethane	ND	3.8	ND	3.0	ND	ND	ND	ND
Vinyl chloride	ND	23	ND	ND	ND	ND	Trace	ND
Chloroform	ND	ND	ND	ND	ND	ND	2.7	ND
Benzene	ND	Trace	ND	ND	ND	ND	ND	ND
Toluene	ND	5.1	ND	Trace	ND	ND	ND	ND
Chlorobenzene	ND	7.2	ND	ND	ND	ND	ND	ND
Ethyl benzene	ND	ND	ND	3.8	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	Trace
Bromomethane	ND	4.7	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	ND	7.6	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	Trace	ND	ND	ND	ND	Trace	ND
Trichlorofluoromethane	ND	Trace	ND	ND	ND	ND	ND	ND
Total VOA	ND	5,918.4	Trace	22.5	6,560	ND	>4,000	Trace

ND = Not detected
Trace = <2 ppb

Table 4. (Continued)

Well No.	GM-12B*	GM-12B*	GM-12B*	GM-12B*	GM-12C	GM-12D	GM-15	GM-16
Sample Date	9-30-82	9-30-82	9-30-82	9-30-82	9-30-82	9-30-82	9-15-82	10-1-82
Analyzed By	ERCO	ERCO	MSC	Mead	ERCO	ERCO	GCA	ERCO
Volatile Organic Compounds								
Trichloroethylene	4,300	3,100	1,300	5,300	2,600	ND	Trace	ND
1,1,1-trichloroethane	1,300	1,100	735	730	52	ND	ND	ND
1,1-dichloroethylene	53	56	65	56	ND	ND	ND	ND
1,1-dichloroethane	100	100	ND	88	50	ND	ND	ND
Trans-1,2-dichloroethylene	800	780	510	890	3,400	ND	Trace	ND
Chloroethene	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	35	67	ND	ND	ND	ND
Chloroform	15	13	7	10	Tr	Tr	ND	ND
Benzene	Tr	Tr	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	Tr	Tr	Tr	ND	31	31	ND	ND
Ethyl benzene	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	35	320	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	Tr	Tr	ND	ND	Tr	Tr	ND	ND
Trichloroflouromethane	ND	ND	ND	ND	ND	ND	ND	ND
Total VOA	6,568	5,149	2,687	7,461	6,133	6,133	Trace	ND

ND = Not detected
Tr = 1-9 ppb
Trace = <2 ppb
* = Replicate samples; collected at the same time for quality control

Table 4. (Continued)

Well No.	GM-17	Field Blank Near GM-17	GM-18	GM-19	GM-21	Field Blank Near GM-21
Sample Date	9-30-82	9-30-82	9-30-82	10-1-82	10-1-82	10-1-82
Analyzed By	ERCO	ERCO	ERCO	ERCO	ERCO	ERCO
Volatile Organic Compounds						
Trichloroethylene	10	Tr	ND	ND	3,000	ND
1,1,1-trichloroethane	ND	ND	ND	ND	95	ND
1,1-dichloroethylene	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	ND	ND	ND	ND	21	ND
Trans-1,2-dichloroethylene	Tr	ND	ND	ND	1,200	ND
Chloroetbane	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND
Chloroform	ND	26	ND	ND	Tr	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	Tr	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	70	ND
Ethyl benzene	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	Tr	ND	ND	ND	Tr	ND
Trichloroflouromethane	ND	ND	ND	ND	ND	ND
Total VOA	10	26	ND	ND	4,386	ND

ND = Not detected
Tr = 1-9 ppb

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LAB ACCESSION NO: 3C021 YR/MO/DAY/HR SAMPLE REC'D: 83/01/06/15

REPORTING LAB: 17 EHC ALBANY
PROGRAM:.650 SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBW'SHED: WILLIAMS FARM STEVENS LA TOWN OF FT EDWARD

EXACT SAMPLING POINT: SAMPLE #1D6833A HILLVIEW SPRING
TYPE OF SAMPLE: 21 SURFACE WATER
MO/DAY/HR OF SAMPLING: FROM 0C/00 TO 01/06/12
REPORT SENT TO: CO (1) RO (1) LPHE (2) LHO (0) FED (0) CHEM (1)

	PARAMETER	UNIT	RESULT	NOTATION
323809	DICHLOROMETHANE	MCG/L	1.	LT
339009	CHLOROFORM	MCG/L	1.	LT
341009	VINYL CHLORIDE	MCG/L	1.	LT
350909	1,1-DICHLOROETHENE	MCG/L	1.	LT
351909	1,1-DICHLOROETHANE	MCG/L	1.	LT
361209	TRANS 1,2-DICHLOROETHENE	MCG/L	32.	
361709	TRICHLOROFLUOROMETHANE	MCG/L	1.	LT
361809	BROMOMETHANE	MCG/L	1.	LT
361909	CHLOROETHANE	MCG/L	1.	LT
362009	CHLOROMETHANE	MCG/L	1.	LT
370209	DICHLORODIFLUOROMETHANE	MCG/L	1.	LT
323609	1,1,1-TRICHLOROETHANE	MCG/L	5.	
336609	CARBON TETRACHLORIDE	MCG/L	1.	LT

DATE PRINTED: 1/30/83

MR. WILLIAM LAMY, P.E
NYS DEPT. OF ENV. CONS.
P.O. BOX 220
WARRENSBURG, NY 12885

SUBMITTED BY: COHEN

C792

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LAB ACCESSION NO: 30021 YR/MO/DAY/HR SAMPLE REC'D: 83/01/06/15

REPORTING LAB: 17 EHC ALBANY
PROGRAM: 650 SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBW'SHED: WILLIAMS FARM STEVENS LA TOWN OF FT EDWARD

EXACT SAMPLING POINT: SAMPLE #106830A *HILLVIEW SPRING*
TYPE OF SAMPLE: 21 SURFACE WATER
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 01/06/12
REPORT SENT TO: CO (1) RC (1) LFHE (2) LHO (0) FED (0) CHEM (1)

	PARAMETER	UNIT	RESULT	NOTATION
338909	BROMODICHLOROMETHANE	MCG/L	3.	
340909	CHLOROBENZENE	MCG/L	1.	LT
341209	TETRACHLOROETHENE	MCG/L	1.	LT
342109	BROMOFORM	MCG/L	1.	LT
344109	1,2-DICHLOROBENZENE	MCG/L	1.	LT
344209	1,4-DICHLOROBENZENE	MCG/L	1.	LT
344909	DIBROMOCHLOROMETHANE	MCG/L	1.	LT
349709	1,3-DICHLOROBENZENE	MCG/L	1.	LT
350809	1,2-DICHLOROETHANE	MCG/L	1.	LT
351709	1,1,2-TRICHLOROETHANE	MCG/L	1.	LT
351809	1,1,2,2-TETRACHLOROETHANE	MCG/L	1.	LT
361109	2-CHLOROETHYLVINYL ETHER	MCG/L	1.	LT
361309	1,2-DICHLOROPROPANE	MCG/L	1.	LT

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LAB ACCESSION NO: 30021 YR/MO/DAY/HR SAMPLE REC'D: 83/01/06/15

REPORTING LAB: 17 EHC ALBANY
PROGRAM: .650 SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBW'SHED: WILLIAMS FARM STEVENS LA TOWN OF FT EDWARD

EXACT SAMPLING POINT: SAMPLE #1D6830A *HILLVIEW SPRING*
TYPE OF SAMPLE: 21 SURFACE WATER
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 01/06/12
REPORT SENT TO: CO (1) RO (1) LFHE (2) LHO (0) FED (0) CHEM (1)

	PARAMETER	UNIT	RESULT	NOTATION
361409	CIS 1,3-DICHLOROPROPENE	MCG/L	1.	LT
361509	TRANS 1,3-DICHLOROPROPENE	MCG/L	1.	LT
361609	TRICHLOROETHENE	MCG/L	840.	

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LAB ACCESSION NO: 3C240 YR/MO/DAY/HR SAMPLE REC'D: 83/01/27/09

REPORTING LAB: 17 EHC ALBANY
PROGRAM: 650 SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBN*SHED: GRIFFIN SPRING FORT EDWARD

EXACT SAMPLING POINT: SPRING AT GRIFFIN AV #0126230 3
TYPE OF SAMPLE: 21 SURFACE WATER
MO/DAY/HR OF SAMPLING: FROM 01/26 TO 01/26/12
REPORT SENT TO: CO (1) RC (1) LPHE (2) LHO (0) FED (0) CHEM (1)

PARAMETER		UNIT	RESULT	NOTATION
323809	DICHLOROMETHANE	MCG/L	1.	LT
339009	CHLOROFORM	MCG/L	1.	LT
341009	VINYL CHLORIDE	MCG/L	1.	LT
350909	1,1-DICHLOROETHENE	MCG/L	1.	LT
351909	1,1-DICHLOROETHANE	MCG/L	1.	LT
361209	TRANS 1,2-DICHLOROETHENE	MCG/L	100.	
361709	TRICHLOROFLUOROMETHANE	MCG/L	1.	LT
361809	BROMOMETHANE	MCG/L	1.	LT
361909	CHLOROETHANE	MCG/L	1.	LT
362009	CHLOROMETHANE	MCG/L	1.	LT
370209	DICHLORODIFLUOROMETHANE	MCG/L	1.	LT
423609	1,1,1-TRICHLOROETHANE	MCG/L	10.	
336609	CARBON TETRACHLORIDE	MCG/L	1.	LT

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11:34

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LAB ACCESSION NO: 30240 YR/MO/DAY/HR SAMPLE REC'D: 83/01/27/09

REPORTING LAB: 17 EHC ALBANY
PROGRAM: 650 SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBW'SHED: GRIFFIN SPRING FORT EDWARD

EXACT SAMPLING POINT: SPRING AT GRIFFIN AV #01268303
TYPE OF SAMPLE: 21 SURFACE WATER
MO/DAY/HR OF SAMPLING: FROM 01/01 TO 01/26/12
REPORT SENT TO: CO (1) RC (1) LFHE (2) LHO (0) FED (0) CHEM (1)

PARAMETER		UNIT	RESULT	NOTATION
338909	BROMODICHLOROMETHANE	MCG/L	1.	LT
345909	CHLOROBENZENE	MCG/L	1.	LT
341209	TETRACHLOROETHENE	MCG/L	1.	
342109	BROMOFORM	MCG/L	10.	LT
344109	1,2-DICHLOROBENZENE	MCG/L	1.	LT
344209	1,4-DICHLOROBENZENE	MCG/L	1.	LT
344909	DIBROMOCHLOROMETHANE	MCG/L	10.	LT
349709	1,3-DICHLOROBENZENE	MCG/L	1.	LT
350809	1,2-DICHLOROETHANE	MCG/L	1.	LT
351709	1,1,2-TRICHLOROETHANE	MCG/L	10.	LT
351809	1,1,2,2-TETRACHLOROETHANE	MCG/L	10.	LT
361109	2-CHLOROETHYLVINYL ETHER	MCG/L	10.	LT
361309	1,2-DICHLOROPROPANE	MCG/L	1.	LT

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LAB ACCESSION NO: 3C241 YR/MO/DAY/HR SAMPLE REC'D: 83/01/27/09

REPORTING LAB: 17 EHC ALBANY
PROGRAM: 652 SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBW'SHED: GENRST FT EDWARD

EXACT SAMPLING POINT: GLENS FALLS NATIONAL BANK WELL #0126804
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 01/20 TO 01/26/14
REPORT SENT TO: CO (1) RO (1) LFHE (2) LHO (0) FED (0) CHEM (1)

PARAMETER		UNIT	RESULT	NOTATION
323809	DICHLOROMETHANE	MCG/L	1.	LT
339009	CHLOROFORM	MCG/L	18.	
341009	VINYL CHLORIDE	MCG/L	1.	LT
350909	1,1-DICHLOROETHENE	MCG/L	1.	LT
351909	1,1-DICHLOROETHANE	MCG/L	1.	LT
361209	TRANS 1,2-DICHLOROETHENE	MCG/L	30.	
361709	TRICHLOROFLUOROMETHANE	MCG/L	1.	LT
361809	BROMOMETHANE	MCG/L	1.	LT
361909	CHLOROETHANE	MCG/L	1.	LT
362009	CHLOROMETHANE	MCG/L	1.	LT
370209	DICHLORODIFLUOROMETHANE	MCG/L	1.	LT
323609	1,1,1-TRICHLOROETHANE	MCG/L	27.	
336609	CARBON TETRACHLORIDE	MCG/L	3.	

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(PAGE 2 OF 3)

LAB ACCESSION NO: 30241 YR/MO/DAY/HR SAMPLE RECD: 83/01/27/09

REPORTING LAB: 17 EHC ALBANY
PROGRAM: 65 SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBMITTED: GFNPST FT EDWARD

EXACT SAMPLING POINT: GLENS FALLS NATIONAL BANK WELL #J126834
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 01/26/14
REPORT SENT TO: CO (1) PC (1) LPHE (2) LHO (2) FED (3) CHEM (1)

PARAMETER		UNIT	RESULT	NOTATION
338909	BROMODICHLOROETHANE	MCG/L	1.	LT
340909	CHLOROBENZENE	MCG/L	20.	LT
341209	TETRACHLOROETHENE	MCG/L	20.	LT
342109	BROMOFORM	MCG/L	20.	LT
344109	1,2-DICHLOROBENZENE	MCG/L	20.	LT
344209	1,4-DICHLOROBENZENE	MCG/L	20.	LT
344909	DIBROMOCHLOROETHANE	MCG/L	20.	LT
349709	1,3-DICHLOROBENZENE	MCG/L	20.	LT
350809	1,2-DICHLOROETHANE	MCG/L	1.	LT
351709	1,1,2-TRICHLOROETHANE	MCG/L	20.	LT
351809	1,1,2,2-TETRACHLOROETHANE	MCG/L	20.	LT
361109	2-CHLOROETHYLVINYL ETHER	MCG/L	20.	LT
361309	1,2-DICHLOROPROPANE	MCG/L	1.	LT

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LAB ACCESSION NO: 30241 YR/MO/DAY/HR SAMPLE RECD: 83/01/27/09

REPORTING LAB: 17 EHC ALBANY
PROGRAM: 65C SOLID WASTES
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 5755 COUNTY: WASHINGTON
COORDINATES: DEG ' " , DEG ' "
COMMON NAME INCL SUBMITTED: GENERT FT EDWARD

EXACT SAMPLING POINT: GLENS FALLS NATIONAL BANK WELL #D126R04
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 01/26/14
REPORT SENT TO: CO (1) RO (1) LPHE (2) LHO (3) FED (2) CHEM (1)

PARAMETER		UNIT	RESULT	NOTATION
361409	CIS 1,3-DICHLOROPROPENE	MCG/L	20.	LT
361509	TRANS 1,3-DICHLOROPROPENE	MCG/L	1.	LT
361609	TRICHLOROETHENE	MCG/L	400000.	

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TABLE 1

LABORATORY TESTS FOR PCB CONTENT OF SOIL AND GROUND WATER AT FORT EDWARD AND HUDSON FALLS

Fort Edward

Sample Designation	Arochlor 1016 By Total Area (1)	Arochlor 1016 By Peak Height (2)	Arochlor 1254 (3)	Depths of Samples (ft.)
	Concentration parts per billion (ppb)Wt/Wt			
W 203 (soil) S*	1000.0		310.0	1
W 203 S	82.0		45.0	4
W 203 (water) W*	100.0	-	46.0	9
W 204 S	43.0		39.0	2
W 204 W	4.6	0.3	0.2	8
W 206 S *	23.0		35.0	1
W 206 W	2.5	1.4	2.2	6
W 207 W	4.4	3.5	6.8	16
W 210 S *	130.0		130.0	1
W 210 W	5.2	0.4	1.0	7
W 212 S	4000.0		7100.0	1
W 212 W	0.9	0.2	0.2	8
W 214 S	5.9		3.1	1
W 214 W	11.0	2.0	2.9	6
W 215 S	15.0		1.2	1
W 215 W	0.8	ND0.1	0.1	6
W 216 S *	170.0		130.0	1
W 216 W	5.0	ND0.1	ND0.1	5
Deep Well (10")	26.0	11.0	1.7	
Deep Well (16")	8.7	2.8	0.6	

Hudson Falls

W 221 S *	29.0		26.0	
W 221 W	3.4	0.3	0.3	
W 222 S *	10.0		12.0	
W 222 S *	24.0		19.0	
W 223 W	6.5	ND0.1	0.5	
W 224 S *	140.0		39.0	
W 224 W	0.6	ND0.1	ND0.1	
H 1 W	51.0		29.0	
H 2 W	1160.0		470.0	
H 3 W	13.0	6.4	3.8	

ND - None detected, less than

* - Fingerprint resembles Arochlor 1248 more than 1016

(1) - This value was obtained by integrating the area of all the peaks in Arochlor 1016 region.

(2) - This value was obtained by using the peak height of the major constituents in Arochlor 1016 for the calculation. If this constituent was absent in the chromatogram, it was assumed that Arochlor 1016 was not present.

(3) - This value was obtained by integrating the area of the peaks in the Arochlor 1254 region.

6.0 Adequacy of Available Data

In compiling the Hazardous Ranking Score, the General Electric Fort Edward site was found to have a migration potential score (S_m) equal to 36.0. However, due to data inadequancies which involve a certain degree of subjectivity, a range for S_m was developed and found to be 30 to 50.

- Information pertaining to potential volume of waste material spilled/disposed at the site.
- Results of most recent groundwater testing program.
- Further groundwater testing to determine extent of range of contaminated plume.

APPENDIX A

REFERENCES

1.) Site visit to Fort Edward area; August 10, 1983.

2.) U.S. Geological Survey topographic map, Hudson Falls, New York quadrangle; 1966.

3.) Clark, Dietz and Associates, Wastewater Monitoring Program and Evaluation of Control Measures for Polychlorinated Biphyenl Discharges to the Hudson River; June 1975.

4.) Terrio, Paul. Sworn Affidavit to the NYS Department of Environmental Conservation in the matter of the Summary Abatement Order; March 1983.

5.) Geraghty and Miller, Inc. Hydrogeology of the General Electric Company Capacitor Plant; January 1983.

6.) New York State Department of Health. An Assessment of Drinking Water Quality in the Area of the General Electric Fort Edward Inactive Hazardous Waste Site; November 1982.

7.) New York State Department of Environmental Conservation Summary Abatement Order and Notice of Hearing issued to General Electric Company; March 1983.

8.) New York State Department of Environmental Conservation Decision in the Matter of the Summary Abatement Order issued to General Electric Company; July 7, 1983.

9.) Personal communication with Vance Bryant, DEC Office of Hazardous Waste Enforcement; August 29, 1983.

10.) Personal communicatin with Mark Millspaugh, DEC Office of Hazardous Waste Enforcement; September 1, 1983.

11.) New York State Code of Rules and Regulations. Upper Hudson River

Drainage Basin; 1966.

12.) USDA Soil Conservation Service Soil Survey of Washington County, New York; 1971.

13.) Dames and Moore. Investigation of Geohydrologic Conditions Related to Possible Groundwater Contamination by Polychlorinated Biphenyls (PCB's) at the Fort Edward and Hudson Falls Plants of General Electric Company; November 1976.

14.) Mitre Inc., Hazard Ranking System Users Manual; June 10, 1982.

15.) Transcript of Proceedings, Vol. 10, page 10-9; April 15, 1983.

APPENDIX B

HAZARDOUS WASTE DISPOSAL SITE REPORT
REVISED

Code: B

Site Code: 558004

Name of Site: General Electric Capacitor Products Division

Region: 5

County: Washington

Town/City: Fort Edward (T)

Street Address: Route 4, Fort Edward, New York 12828

Status of Site:

- Inactive site of spillage and drainage of toxic materials. Analytical testing of private water supplies has confirmed contamination of groundwater.
- Urban/Industrial moderately populated area.
- Nearest dwelling approximately 100 feet from plant property.
- Nearest Water Body: Hudson River approximately 1,000 feet west of plant property.
- Nearest Water Supply: Groundwater is used throughout the site area.
- High groundwater table within 30 feet of ground surface
- Soil Type: Oakville loamy fine sand.
- Estimated Size: 10 acres.

Type of Site: Structure (Plant Building)

Hazardous Waste Disposed: Spillage has been confirmed

Type and Quantity of Hazardous Wastes: Unknown quantities of trichloroethane, 1,1,1-trichloroethane, toluene, trichlorobenzene, bis (2-ethyl hexyl) phtha-

late, di-n-butyl phthalate, xylene, PCB's and kerosene

Present Owner: General Electric Company

Time Period Site was used: 1940's to 1970's

Types of Samples: Groundwater, Soil

Remedial Action: Municipal water supply has been extended to affect residences

Status of Legal Action: Pending

Permits Issued: SPDES

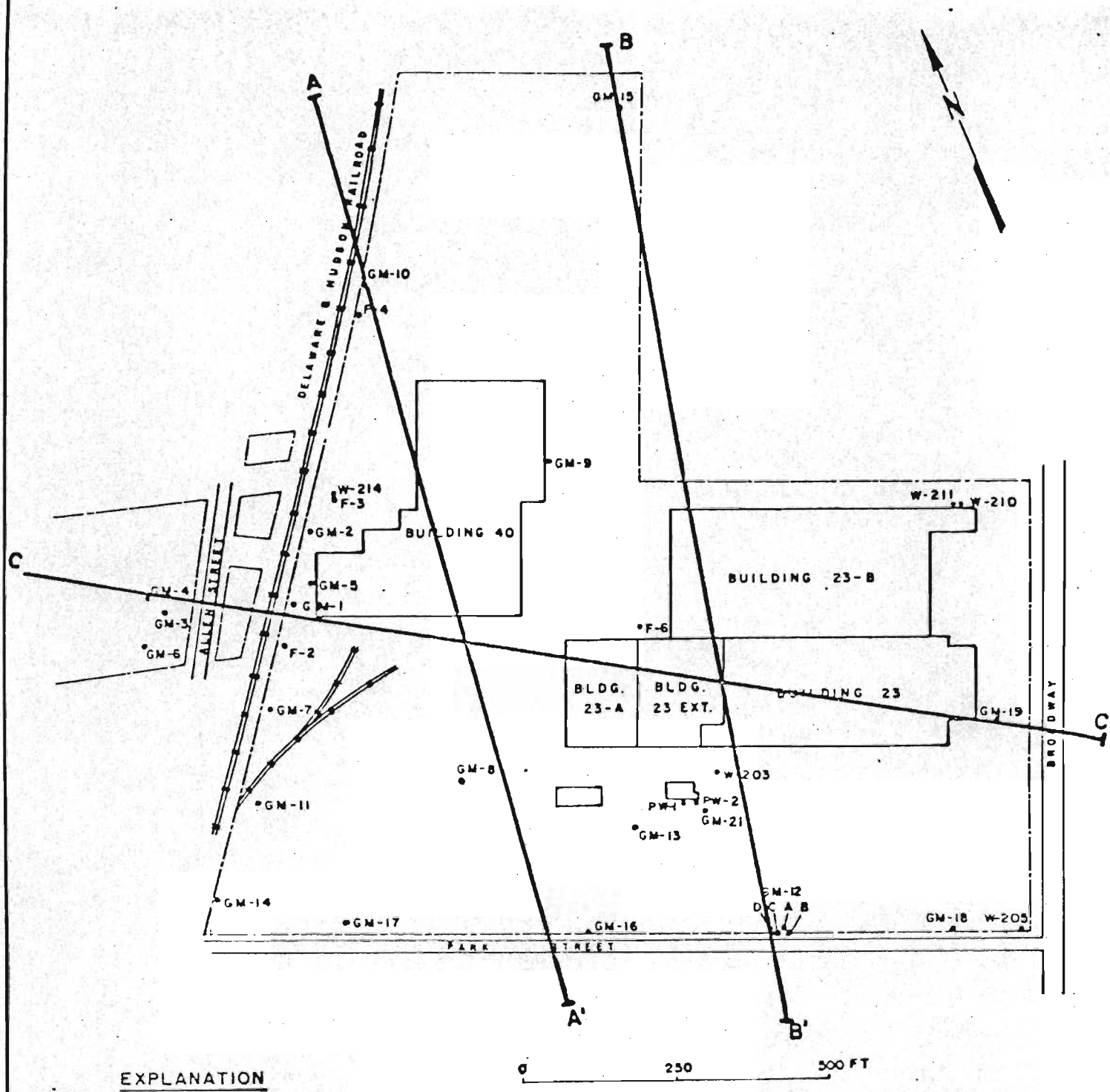
Assessment of Environmental Problems: Contamination of groundwater and soils as well as the Hudson River

Assessment of Health Problems: Unknown

Person completing this form: Andre J. LaPres, Recra Research, Inc.

Date: September 6, 1983

APPENDIX C



EXPLANATION

- GM-1 — MONITORING WELL INSTALLED IN THIS STUDY
- W-203 — MONITORING WELL INSTALLED DAMES & MOORE, INC.
- F-6 — MONITORING WELL INSTALLED PRIOR TO THIS STUDY
- PW-1 — DEEP PRODUCTION WELL
- C C' — LINE OF HYDROGEOLOGIC CROSS SECTION

SUBJECT

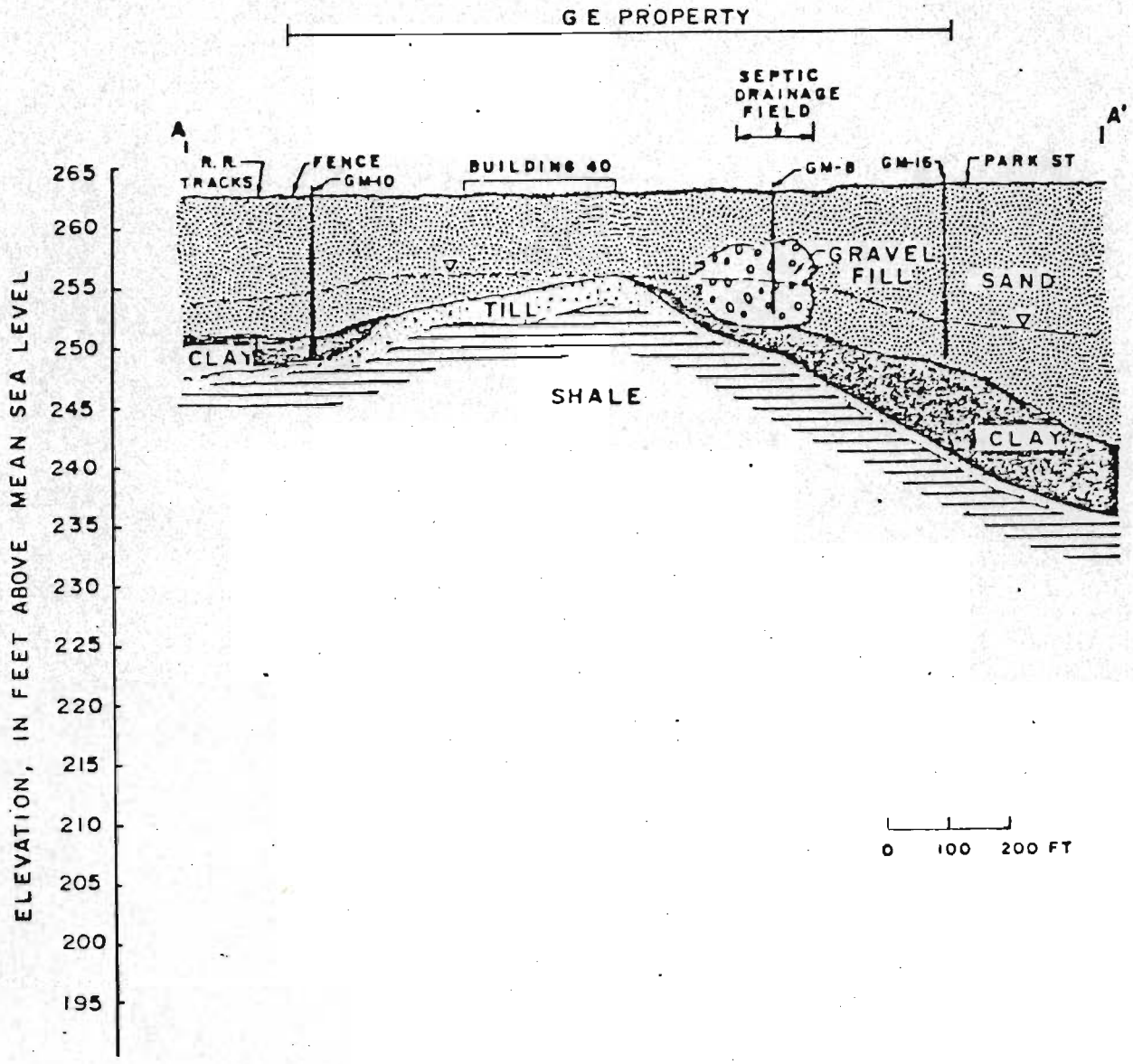
LOCATION OF MONITORING WELLS AND CROSS-SECTIONS

PREPARED FOR GENERAL ELECTRIC COMPANY

CAPACITOR PLANT - FORT EDWARD, NEW YOR

Geraghty & Miller, Inc.

COMPILED BY	DANIEL NACHMAN	SCALE	FIGURE
PREPARED BY	ELEANOR WILSON	AS SHOWN	1
PROJECT MGR	ELLIS KOCH	DATE NOV. 1982	



EXPLANATION

GM-8 — WELL NO.

LAND SURFACE

WATER LEVEL IN UPPER SAND

SCREEN

NOTE

LINE OF SECTION SHOWN ON FIGURE 1

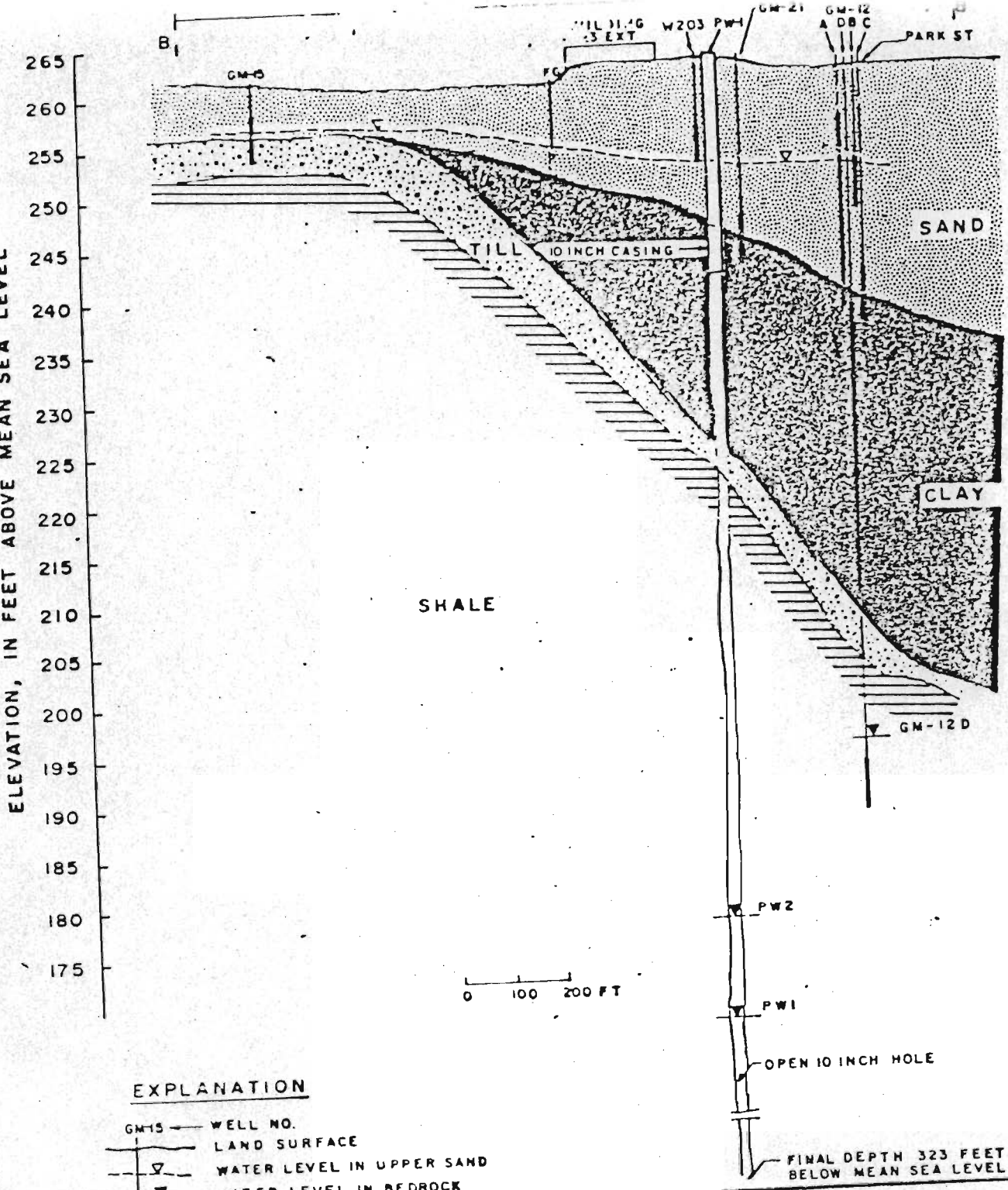
SELECTED GEOLOGIC DATA SUPPLIED BY DAMES & MOORE, 1976

SUBJECT

HYDROGEOLOGIC CROSS SECTION ALONG LINE A-A'

PREPARED FOR GENERAL ELECTRIC COMPANY
CAPACITOR PLANT - FORT EDWARD, NEW YORK

Geraghty & Miller, Inc.	COMPILED BY DANIEL NACHMAN	SCALE AS SHOWN	FIGURE 2
	PREPARED BY ELEANOR WILSON	DATE NOV. 1982	
	PROJECT MGR ELLIS KOCH		



EXPLANATION

GM-15 — WELL NO.

LAND SURFACE

WATER LEVEL IN UPPER SAND

WATER LEVEL IN BEDROCK

SCREEN

NOTE

WELL F6 INSTALLED IN PREVIOUS STUDY, LOCATED AND SURVEYED

WELL W203 INSTALLED IN PREVIOUS STUDY, NOT SURVEYED

LINE OF SECTION SHOWN ON FIGURE 1

SELECTED GEOLOGIC DATA SUPPLIED BY DAMES & MOORE, 1976

SUBJECT

HYDROGEOLOGIC CROSS SECTION ALONG LINE B-B'

PREPARED FOR GENERAL ELECTRIC COMPANY

CAPACITOR PLANT - FORT EDWARD, NEW YO

Geraghty & Miller, Inc.

COMPILED BY DANIEL NACHMAN

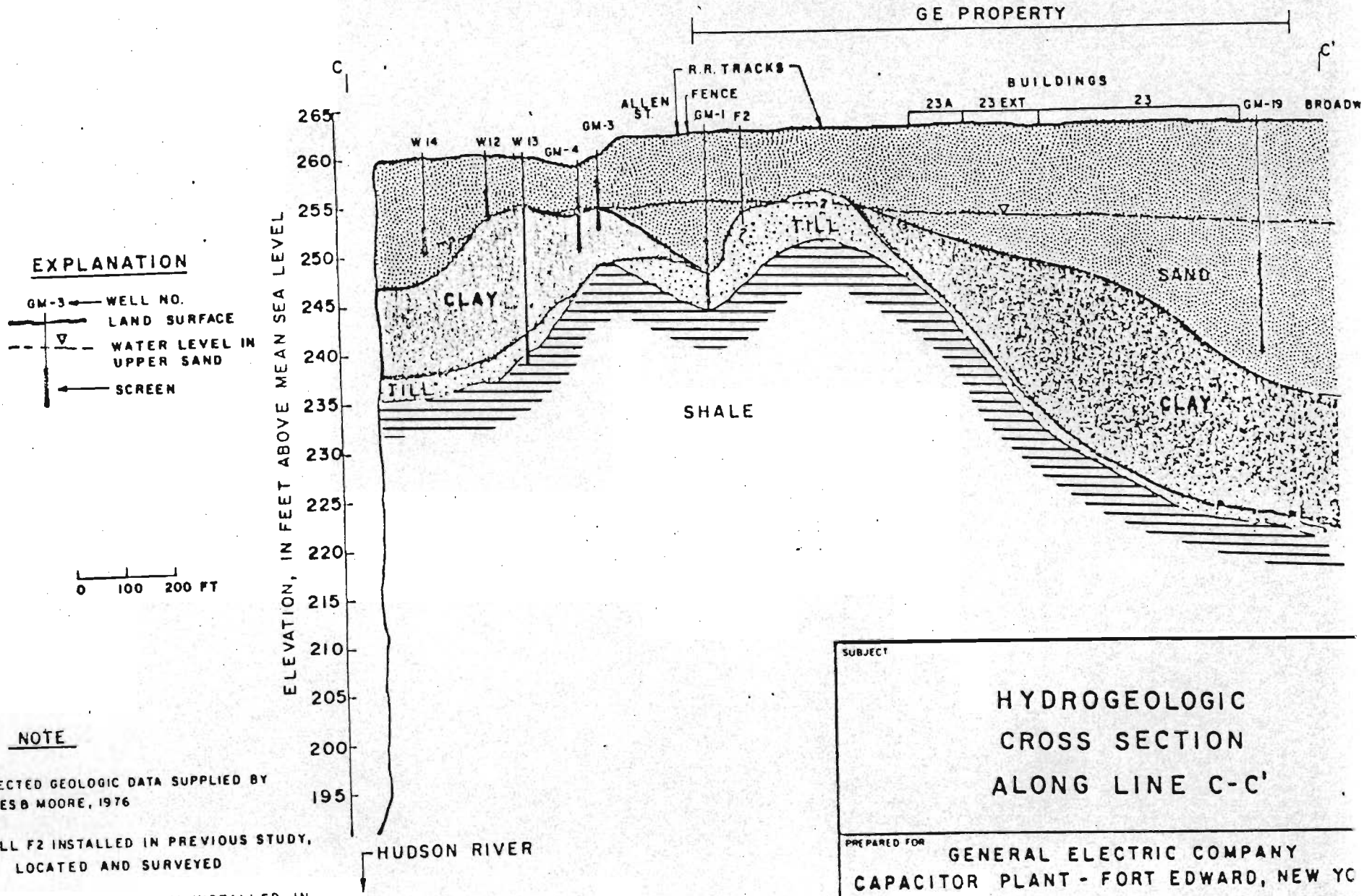
PREPARED BY ELEANOR WILSON

PROJECT MGR ELLIS KOCH

SCALE SHOWN

DATE NOV 1982

FIGU



NOTE

SELECTED GEOLOGIC DATA SUPPLIED BY DAMES & MOORE, 1976

WELL F2 INSTALLED IN PREVIOUS STUDY, LOCATED AND SURVEYED

WELLS W12, W13, AND W14 INSTALLED IN PREVIOUS STUDY, NOT SURVEYED

LINE OF SECTION SHOWN ON FIGURE 1

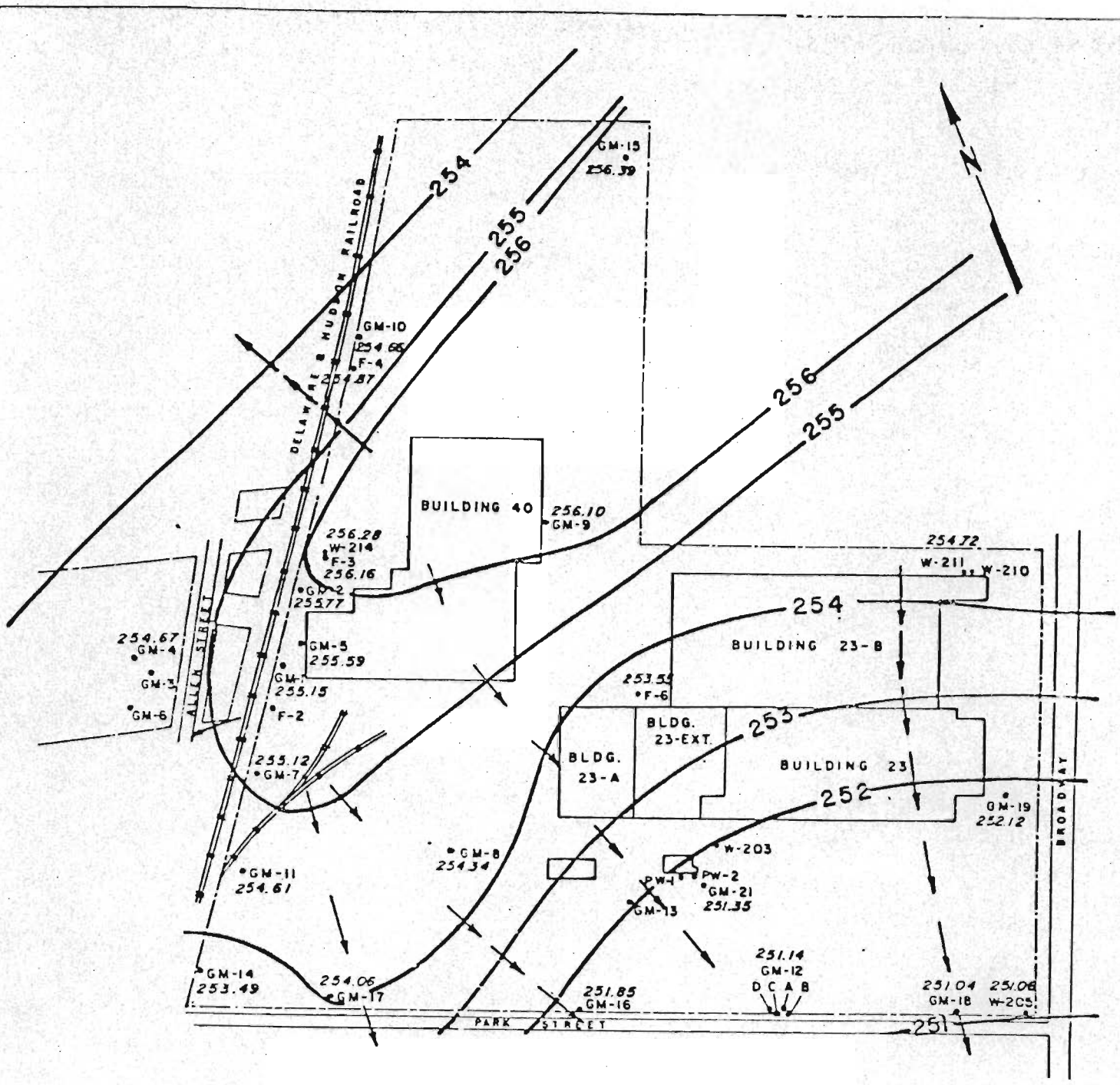
SUBJECT

HYDROGEOLOGIC CROSS SECTION ALONG LINE C-C'

PREPARED FOR

GENERAL ELECTRIC COMPANY
CAPACITOR PLANT - FORT EDWARD, NEW YC

Geraghty & Miller, Inc.	COMPILED BY DANIEL NACHMAN	SCALE	FIG.
	PREPARED BY ELEANOR WILSON	SHOWN	
	PROJECT MGR ELLIS KOCH	DATE NOV. 1982	



EXPLANATION

251.04 WATER TABLE ELEVATION IN FEET ABOVE MEAN SEA LEVEL

—251— LINE OF EQUAL WATER-TABLE ELEVATION, IN FEET ABOVE MEAN SEA LEVEL (DASHED WHERE INFERRED)

GROUNDWATER FLOW LINE

0 250 500 FT.

SUBJECT

CONFIGURATION OF THE WATER TABLE IN THE UPPER SAND AQUIFER OCTOBER 4-5, 1982

PREPARED FOR

GENERAL ELECTRIC COMPANY
CAPACITOR PLANT - FORT EDWARD, NEW YORK

Geraghty & Miller, Inc.	COMPILED BY DANIEL NACHMAN	SCALE SHOWN	FIGURE 6
	PREPARED BY ELEANOR WILSON	DATE NOV. 1982	
	PROJECT MGR ELLIS KOCH		