

SCOPE-OF-WORK PLAN
GE MAIN PLANT
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
(SITE # 447004)

This document describes the Remedial Investigation/Feasibility Study (RI/FS) scoping activities to be undertaken by GE for the Main Plant (Site Code # 447004) in Schenectady New York. GE submits this document as required by Order on Consent # A4-0336-95-09, Paragraph I.A. This document is intended solely to provide additional detail and clarification for the scope of the RI/FS activities agreed to in the Consent Order. This document does not in any way modify GE's obligations under the Consent Order. As further described below, during the scoping phase of the project, GE will develop and submit a series of Sector Reports, Area of Concern (AOC) Reports, and RI/FS Work Plans.

As illustrated in Figure 1, for the purposes of conducting the RI/FS, the Site consists of two Zones and 20 Sectors. Zone 1, which will be the first area of the site subject to the RI/FS process, consists of all or portions of Sectors D, E, G, H, N, O, P, Q, and T. Following Department approval of the RI/FS Work Plan for Zone 1, GE will initiate the RI/FS activities for Zone 2, which consists of all or portions of Sectors A, B, C, F, G, I, J, K, L, M, N, O, R, and T. Figure 2 depicts the geographical relationship of the site to potential receptors (Mohawk River, Poentic Kill, Poentes Kill, and the City of Schenectady and Town of Rotterdam municipal wellfields). Figure 3 provides the schedule for the implementation of the RI/FS for both Zones.

CITIZEN PARTICIPATION

The Department will administer an overall Citizen Participation Plan for the Site, consistent *with* the "New York State Inactive Hazardous Waste Site Citizen Participation Plan" dated August 30, 1988, and subsequent revisions thereto. Each RI/FS Work Plan will be incorporated into the Citizen Participation Plan. GE will provide assistance and or information to supplement the data and information in the RI/FS Work Plans to be used by in the course of completing the Citizen Participation Plan.

SECTOR INVESTIGATIONS

GE will prepare a Sector Report for each Sector within a Zone. The Sector Report will collect and synthesize all available factual information with respect to the history of operations and facilities within a Sector pertinent to the development and submission of an RI/FS Work Plan. Sector Reports will include but not be limited to:

- the location, use and characteristics of past and present plant buildings and structures, subsurface pipelines and tanks;
- past and present manufacturing operations;
- significant historic waste and raw material storage areas, and;
- known past spills, disposals and other releases of hazardous wastes.

The Sector reports will include information obtained from interviews with past and present GE employees when appropriate and pertinent to the development and submission of an RI/FS Work Plan.

AREA OF CONCERN REPORTS

GE will synthesize the information collected in the Sector Reports to identify potential AOCs within each Zone to be investigated during the RI. An AOC is an area of the Site where, based on the analysis of information compiled and synthesized in the Sector Reports, there is reason to believe there has been a disposal or release of hazardous wastes. GE will perform limited studies to gather data to further identify potential AOCs needed to produce the RI/FS Work Plan. If these limited studies are required, GE will prepare the necessary Sampling and Analysis Plans, and Health & Safety Plans and submit them for Department review and approval. GE will prepare an AOC Report for each of the two Zones to:

- summarize the collected information;
- identify possible AOCs;
- recommend initial project operable units;
- discuss conceptual response scenarios, remedial action objectives and potentially applicable technologies;

- identify potentially applicable federal and State Applicable and Relevant or Appropriate Requirements (ARARs);
- identify potentially applicable Standards, Criteria, and Guidance (SCGs); and,
- identify initial data quality objectives for the RI/FS.

REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLANS

Following completion of the Sector and AOC Reports for each Zone, GE will prepare an RI/FS Work Plan for each Zone describing the methods and procedures to be implemented to:

- characterize the nature and extent of hazardous waste contamination at the Main Plant;
- characterize the actual or potential impacts of hazardous waste contamination at or released or disposed at the Main Plant on both on-site and off-site environmental media and/or potential receptors such as:
 - surface water bodies on, adjacent to, or downstream of the Site (Mohawk River, Poentes Kill, and Poentic Kill);
 - groundwater; and,
 - City of Schenectady and Town of Rotterdam municipal well fields.
- support the evaluation of potential remedial alternatives in the FS, and;
- assess the potential risks to human health and the environment (both on and off site) arising from hazardous waste at or released or disposed at the Main Plant.

Each RI/FS Work Plan will include:

- A brief description of the AOCs within that Zone;
- A chronological description and schedule of the RI/FS activities;
- A Sampling and Analysis Plan to include:

- A Quality Assurance Project Plan describing the quality assurance and quality control protocols necessary to achieve the project data quality objectives; and,
- A Field Sampling Plan defining the sampling and data gathering methods in a manner consistent with the "Compendium of Superfund Field Operations Method" (EPA/540/P-87/001, OSWER Directive 9355.0-14, December 1987).
- A Health and Safety Plan to protect persons at and in the vicinity of the Site during the performance of each RI/FS. This plan will be prepared under the direction of a certified health and safety professional in accordance with 29 CFR 1910.120 and all other applicable standards.

Each RI/FS Work Plan will incorporate all elements of an RI/FS set forth in:

- the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA);
- the National Contingency Plan (NCP);
- the USEPA document entitled "Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA";
- 6NYCRR Part 375; and,
- other applicable State and federal guidance documents.

Two phases of field investigation in each Remedial Investigation may be required to adequately characterize the site. As necessary, GE will submit a Phase II Work Plan to perform further investigations required to eliminate Phase I investigation data gaps and/or collect information to assist in the evaluation of other remedial alternatives that may subsequently appear worthy of consideration.

Consistent with the approved RI/FS Work Plan, GE will perform, prepare and submit a Feasibility Study for each Zone. Each FS will include a thorough review of the effects of the potential remedial alternatives on:

- The Mohawk River, Poentes Kill and the Poentic Kill;
- On-site and off-site groundwater, and;

- The City of Schenectady and Town of Rotterdam municipal well fields adjacent to the Site.

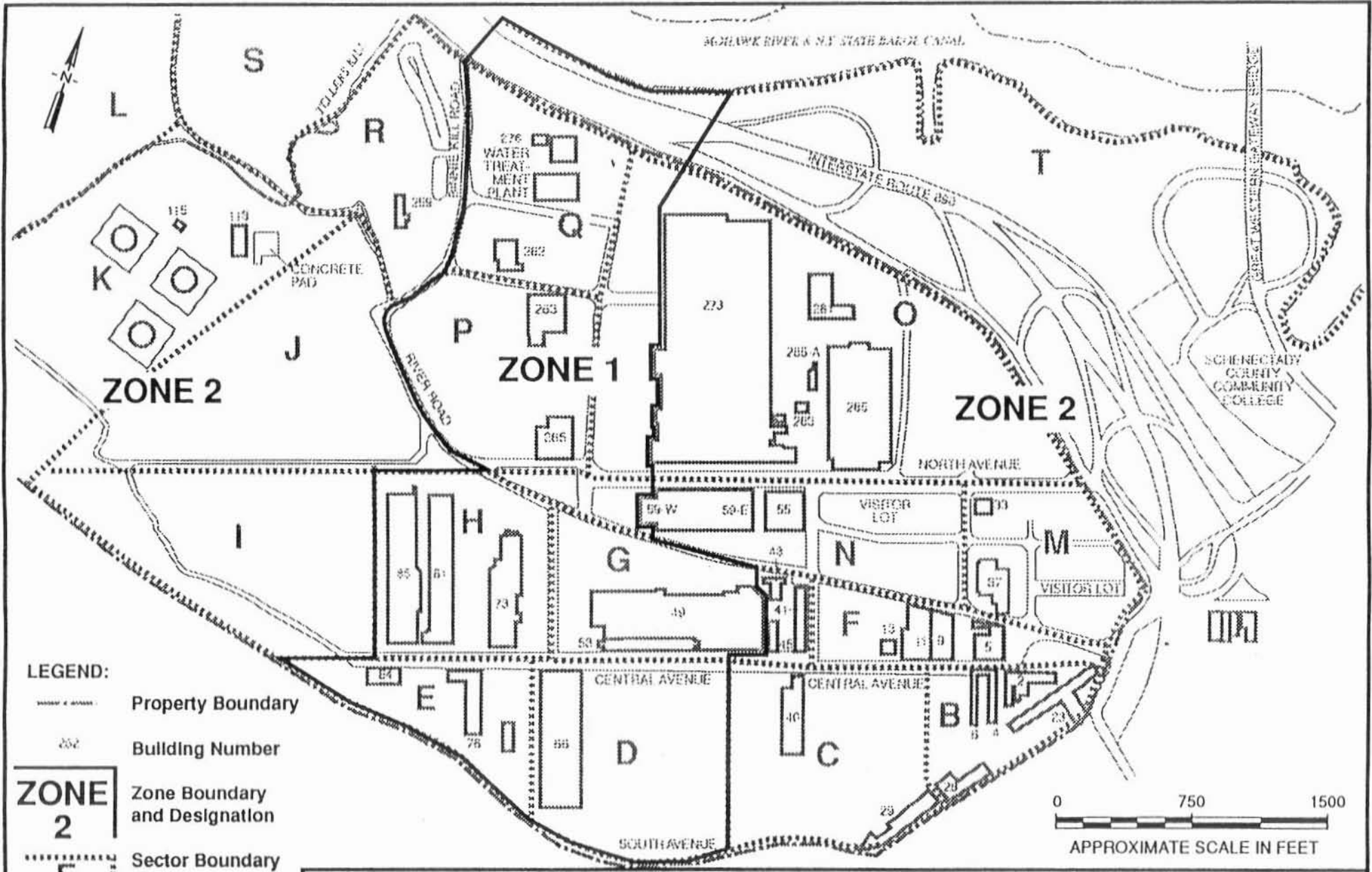
INTERIM REMEDIAL MEASURES

GE, with the Department's approval, may propose interim remedial measures (IRMs) for specific AOCs at the site. In proposing each IRM, GE shall submit to the Department a Work Plan which includes a schedule for its completion. Upon the Department's approval of such a Work Plan, GE will carry out the IRM in accordance with the approved Work Plan and applicable Order.

PROGRESS REPORTS

GE will submit written monthly progress reports by the 10th day of each month that:

- Summarize the activities taken to implement the Order during the previous Month;
- Summarize analytical results from samples collected during the previous month pursuant to the Order;
- Summarize activities planned for the next month, and;
- Identify scheduling issues.



- LEGEND:**
- Property Boundary
 - Building Number
 - ZONE 2**
 Zone Boundary and Designation
 - E**
 Sector Boundary and Designation



BASE MAP SOURCE: General Electric Co. Schenectady Works Ground Plan, plant engineering, 1983.

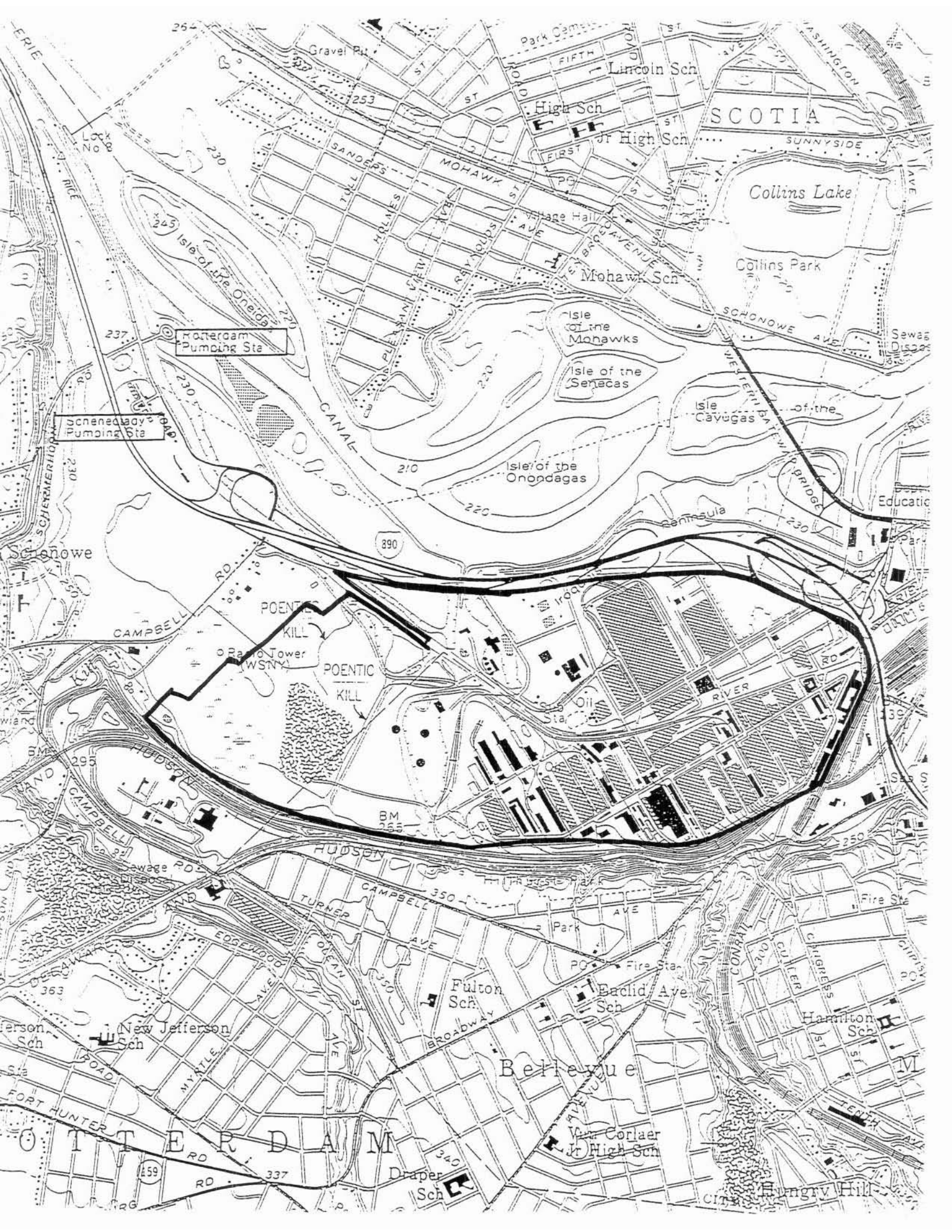
GENERAL ELECTRIC MAIN PLANT

Job No. 28171-055-148

SCHENECTADY, NEW YORK

**SITE MAP SHOWING
PROPOSED ZONE
BOUNDARIES**

Dames & Moore



ID	Name	Start	Finish
1	Main Plant Bldg S	04/05/10	05/10/10
2	Zone 1 PMS	04/10/10	04/13/10
3	Removal Investigative Sampling	04/21/10	04/23/10
4	State Review	04/26/10	04/26/10
5	CF Response	04/26/10	04/26/10
6	State Approval	04/26/10	04/26/10
7	State of Oregon Inv	04/26/10	04/26/10
8	CF Response	04/26/10	04/26/10
9	State Approval	04/26/10	04/26/10
10	CF Response	04/26/10	04/26/10
11	State Approval	04/26/10	04/26/10
12	CF Response	04/26/10	04/26/10
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100	CF Response	04/26/10	04/26/10

