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October 1, 2004

James N. Ludlam, P.E.
Bureau of Central Remedial Action
Division of Hazardous Waste Remediation
NYSDEC
625 Broadway, 12th Floor
Albany, NY 12233-7016

Re: Area 28 Remedial Action Completion Report
Loeffel Site Environs – Operable Unit 3, Site #4-42-006
Nassau, New York
BBL Project #: 100.73.800 #2

Dear Jim:

On behalf of the General Electric Company, this cover letter transmits 2 copies of the *Area 28 Remedial Action Completion Report of the Loeffel Site Environs – Operable Unit 3*, Site #4-42-006 with the March 2003 Second Stipulation and Order of Partial Settlement 89-CV-1135. As required, this report has been certified by J. Paul Doody, P.E., of Blasland, Bouck, & Lee, Inc. We have included an electronic copy of this report on a data compact disk. Please let us know if you have any questions, or need additional copies.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

Mark P. Brown, Ph.D.
Senior Vice President

CC/amm
Enclosure

cc: Michael Stankiewicz, P.E., NYSDEC
Russ Shaver, NYSDEC
Michael S. Elder, Esq., General Electric Company
Edward K. LaPoint, P.E., General Electric Company (w/ enclosure)

J. Paul Doody, P.E., Blasland, Bouck & Lee, Inc. (w/ enclosure)
Christopher R. Torell, P.G., Blasland, Bouck, and Lee, Inc. (w/ enclosure)
Kimberly D. Elenbaas, Blasland, Bouck & Lee, Inc. (w/ enclosure)

Exhibit 2
Second Stipulation and Order of
Partial Settlement 89-CV-1135
Site #4-42-006

Area 28 Remedial Action Completion Report Loeffel Site Environs Operable Unit 3

Loeffel Site Environs
Nassau, New York

October 2004

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BBL
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

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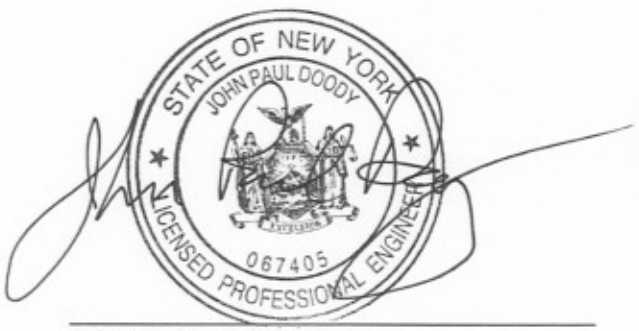
Certification Statement

I certify, to the best of my knowledge, information, and belief, and in general accordance with my professional opinion, that the work described in this *Area 28 Remedial Action Completion Report, Loeffel Site Environs, Operable Unit 3*, was performed in accordance with the March 26, 2003 Second Stipulation and Order of Partial Settlement 89-CV-1135 Loeffel Site Environs – Site #4-42-006, the May 2003 Request for Proposal, as addended, and approved field changes.



John Paul Doody, P.E.
N.Y. License #067405

10-1-2004
Date

1. Introduction

1.1 Overview

This *Area 28 Remedial Action Completion Report* (CR) documents the Remedial Action (RA) completed at Area 28 (the Site) of Operable Unit 3 (OU-3) of the Loeffel Site Environs, located in Nassau, New York (Figure 1). Blasland, Bouck & Lee, Inc. (BBL) prepared this CR on behalf of the General Electric Company (GE).

The RA was conducted from August 2003 to July 2004, in accordance with the following documents:

- January 2002 Record of Decision (ROD) for Dewey Loeffel Site OU-3, Towns of Nassau and Schodack, Rensselaer County, Site #4-42-006;
- *Area 28 Remedial Action Work Plan* (RAWP) (BBL, 2002a);
- March 26, 2003 Second Stipulation and Order of Partial Settlement (SS) – 89-CV-1135;
- May 2003 *Request for Proposal, Remedial Action – Area 28* (RFP), as addended (BBL, 2003a); and
- Field approvals (Appendix A).

The RAWP and the RFP were submitted to the New York State Department of Environmental Conservation (NYSDEC) on July 3, 2002 and May 9, 2003, respectively. The RAWP was approved by the NYSDEC in a letter dated February 20, 2003 (Appendix A), and the RFP was approved prior to implementation of the RA, both verbally and in a letter from the NYSDEC, dated August 13, 2003 (Appendix A).

The primary activities associated with the RA included:

- Site preparation activities (including access road construction, materials staging and dewatering pad [MSDP] construction, and equipment and supplies mobilization);
- Surveying removal area boundaries;
- Temporary water diversion around work areas;
- Removal and disposal of sediments and soils (materials);
- Water treatment and management; and
- Site restoration.

The work area was divided into three removal areas to facilitate the RA: Northern Area, Stream Bed, and Southern Area (NA, SB, and SA, respectively). These removal areas were composed of multiple polygons, defined using a discrete volume/Theissen polygon approach. The Theissen polygons were created using computer software to draw perpendicular bisector lines between adjacent sample locations, thus creating two-dimensional, sample-specific polygon areas.

In summary, the RFP described the anticipated removal of a total of approximately 2,173 cubic yards (cy) of materials containing polychlorinated biphenyls (PCBs) from Area 28. It was estimated that, based on 191 pre-design PCB samples from 66 locations[1], approximately 307 cy of Toxic Substances Control Act (TSCA) materials and approximately 1,866 cy of non-TSCA materials would be removed and disposed (Table 1). Based on the conversion 1 cy = 2 ton, as stated in the RFP, the estimated weight to be disposed was approximately 614 tons of TSCA materials and 3,732 tons of non-TSCA materials.

The actual removed volumes of materials removed were 529 cy of TSCA materials and 1,642 cy of non-TSCA materials. These volumes were calculated using as-built survey spot elevations and removal depths, as well as modified TSCA/non-TSCA intervals reported in field notes. The mass of TSCA and non-TSCA materials shipped from the Site, as reported on manifest records, were 1,107 and 2,852 tons (total 3,959 tons), respectively (Table 2). The mass of shipped material included excavated materials from designated areas (e.g., soil, sediment, organic matter, gravel), materials removed from equipment during decontamination, stabilizing agent used to prepare materials for transport, and minor amounts of used supplies (e.g., plastic sheeting, Tyvek® coveralls). Presented below is a summary of the actual removed and shipped material amounts – relative to anticipated material amounts – from each of the three removal areas.

[1] Pre-design sampling results are provided in the RFP (BBL, 2003a).

Summary of Estimated and Actual Removal Volumes/Weights

Removal Area	Estimated Volume (cy)[1]		Estimated Weight (ton)[2]		Removed Volume (cy)[3] (calculated from as-built information)		Removed Weight (ton)[4]	
	TSCA	Non-TSCA	TSCA	Non-TSCA	TSCA	Non-TSCA	TSCA	Non-TSCA
NA	307	1,330	614	2,660	529	1,101	--[5]	--[5]
SB	0	107	0	214	0	112	--[5]	--[5]
SA	0	429	0	858	0	429	--[5]	--[5]
Rounded Total	**307[6]**	**1,866[6]**	**614**	**3,732**	**529**	**1,642**	**1,107**	**2,852**
Totals	**2,173**		**4,346**		**2,171**		**3,959**	

Notes:

1. "Estimated Volume" is the estimated volume of material to be removed from the Site, as stated in the RFP.
2. "Estimated Weight" is the estimated mass of material to be removed based on the conversion value of 1 cy = 2 tons, as stated in the RFP.
3. "Removed Volume" is the estimated volume of material removed from the Site, as calculated from the as-built survey spot elevations and removal depths reported in field notes with NYSDEC approved changes.
4. "Removed Weight" is the reported mass of material shipped to the disposal facilities. Table 2 -- Summary of Shipped Materials – presents volumes of the individual loads of material shipped for off-site disposal, as reported on manifest records.
5. -- Due to stabilization and mixing in the MSDP, removal area-specific shipped volume information is not available.
6. "Estimated Volume" totals appear slightly different from those in the RFP due to rounding differences during calculations.

The RA was designed and implemented to meet the performance standards and specifications set forth in the RAWP. Key documents developed to support the RA and outline these performance standards and specifications, include:

- *Construction Quality Assurance Plan* (CQAP) (RAWP Attachment, BBL, 2002b);
- *Health and Safety Plan* (HASP) (RAWP Attachment, BBL, 2002c); and
- *Area 28 Stream and Wetland Restoration/Enhancement Specifications Plan* (SWR/ESP) (RAWP Attachment, BBL, 2002d).

Additionally, approvals of subsequent design field modifications that occurred during the implementation of the RA are presented in Appendix A. These modifications included:

- Adjustment of target excavation depth in certain polygons due to equipment refusal;
- Development and implementation of a post-construction sampling protocol; and

- Decision to conduct all support/staging activities of the RA on the eastern bank area of the Valatie Kill.

1.2 Site Description and History

The Site, a compartment of the Valatie Kill, is located in the Loeffel Site Environs OU-3 and extends from near Central Nassau Road, along the Valatie Kill, to the approximate locations of two former impoundment overflow pipes (Figures 1 and 2). PCB-containing materials deposited in Area 28 originated from upstream areas, which have since been remediated.

The Loeffel Site Environs OU-3 includes Nassau Lake and approximately 2.5 miles of its drainage basin from upstream of the lake to the former Dewey Loeffel Landfill, the former Mead Road Pond Area – adjacent to the former Dewey Loeffel Landfill, and a ravine named Tributary T11A that connects the former Mead Road Pond Area and the Valatie Kill (Figure 1).

From 1952 until 1980, the landfill was a commercial disposal, storage, and transfer site for industrial materials. During 1983 and 1984, the landfill was remediated by the NYSDEC. Between 1992 and 1998, GE conducted remedial investigation (RI) activities in the Nassau Lake drainage basin, which focused on the potential fate and transport of PCBs that had migrated (via sediments to which PCBs had sorbed) from the landfill. The NYSDEC-approved RI activities conducted at Area 28 included collection of surface water, substrate, and biota samples.

In addition to the RI activities, 191 pre-design samples were collected between March 26 and April 16 of 2003 to support design of the RA. The objective of the predesign sampling was to assess the extent of PCB-containing materials within Area 28. The pre-design sampling results were reported to the NYSDEC in a letter from BBL, dated April 28, 2003 (BBL, 2003b).

1.3 Project Roles and Responsibilities

Implementation of the Area 28 RA involved a number of organizations. Each organization had a specific role in completing the RA; these roles are briefly described below.

- **GE** – GE secured the services of the various firms to execute the RA and provided overall direction and coordination during implementation.

- **NYSDEC** – The NYSDEC served as the regulatory agency for this project. The NYSDEC provided field- and office-based project coordinators to administer NYSDEC responsibilities and to review and approve various documentation required by the RA. The NYSDEC also provided construction observation as well as review and approval of field design changes.
- **BBL** – BBL served as the engineer for the Area 28 RA.
- **Blasland, Bouck & Lee Environmental Services, Inc**. **(BBLES)** – BBLES provided overall project coordination and construction observation activities.
- **SLC Environmental Services, Inc. (SLC)** – SLC was retained by GE to implement the Area 28 RA construction activities.
- **Adirondack Environmental Services, Inc**. **(Adirondack)** – Both GE and SLC retained Adirondack for laboratory analytical services.
- **Waste Management, Inc. (WM)** – SLC retained WM disposal facilities for Site-related TSCA materials (sent to Model City disposal facility near Buffalo, New York) and non-TSCA materials (sent to High Acres disposal facility near Rochester, New York).
- **Ingraham's Tree & Lawn Service (ITS)** – ITS was retained by SLC to provide tree clearing and restoration services.
- **Terrestrial Environmental Specialists (TES)** – SLC retained TES for wetland and bank planting.
- **Mangiardi Brothers Trucking Company (Mangiardi)** – Mangiardi was retained by SLC to transport non-TSCA materials.
- **Buffalo Fuel Corporation (BFC)** – SCL retained BFC to transport TSCA materials.
- **MK Electric (MK) –** MK was retained by SLC to provide miscellaneous electrical installation services.
- **Environmental Land Improvements (ELI) –** ELI was retained by SLC to provide materials for the construction of the water diversion dam.
- **Wendel Duchscherer Surveyors (WDS) –** WDS was retained by SLC to provide surveying services.
- **Troy Sand & Gravel (TSG)** – SLC retained TSG to supply sand and gravel backfill materials.

1.4 Format of Document

This CR summarizes and documents the activities implemented by GE in accordance with the approved RAWP and RFP. The remainder of this report is organized as follows:

- Section 2 – Site Preparation and Support Activities;
- Section 3 – Remedial Activities;
- Section 4 – Stream and Wetland Restoration;
- Section 5 – Overall Restoration and Demobilization; and
- Section 6 – References.

In addition, this report is supplemented by the following appendices: Project Correspondence (Appendix A); Representative Photographs (Appendix B); Post-Construction Sampling Data (Appendix C); Water Treatment Laboratory Analytical Results (Appendix D); Equipment Wipe Sampling Laboratory Analytical Results (Appendix E); Air Monitoring Field Data (Appendix F); and As-Built Survey Coordinate Data (Appendix G).

2. Site Preparation and Support Activities

Several Site preparation activities were performed prior to the commencement of material removal activities. These activities included:

- Placing of Site trailers, security measures, and utilities;
- Clearing;
- Constructing access roads;
- Installing erosion and sedimentation control measures; and
- Preparing the support area – including the MSDP, decontamination area, and water treatment area.

Additionally, project support activities were conducted throughout the RA, including:

- Temporary water diversion;
- Air monitoring; and
- Surveying activities.

The Site preparation and support activities are described in greater detail below.

2.1 Site Trailers, Security, and Utilities

Three project trailers (one for SLC, one for NYSDEC, and one for BBL) were placed near the parking lot (shown on Figure 2) during implementation of the RA. Temporary telephone, electrical, and portable sanitary services were also provided at the Site.

To prevent trespassing and enforce access controls, general Site-wide security procedures were implemented, including:

- Identification badges and/or company uniforms for all personnel;
- Locking of trailers/equipment and materials when not in use and as warranted; and
- Mandatory sign-in/out log sheet for all employees and visitors to the Site.

Per GE's policy, a Site-specific security plan was developed to document the procedures implemented to further control access to the Site (*Hazardous Materials Transportation Security Plan* [HMTSP]) (Appendix A). The HMTSP was consistent with GE's HazMat Security Plan Guidelines, and Security and Crisis Management Policy; the plan also met the security plan requirements for the transportation of hazardous materials established by the U.S. Department of Transportation (USDOT), pursuant to 49 CFR Part 172, Subpart I, §172.800 and §172.802.

As part of typical Site operations, a daily inventory of hazardous materials stored on-site and transported off-site was performed by all contractors, consultants, and transportation companies, which themselves were carefully screened, evaluated, and selected by GE employees. According to the provisions of the HMTSP, only authorized employees were permitted access to the Site and to the locations where hazardous materials were stored.

Similarly, only GE-approved transporters were used to ship PCB-containing hazardous wastes. Under GE policy, all GE HazMat employees were required to meet certain security training requirements, including an understanding of/familiarity with the following:

- Overall security objectives;
- Site-specific security procedures and organizational structure;
- Individual security responsibility, including recognizing suspicious activity; and
- Responses to security breaches.

The *Site Security and Crisis Management Plan* (Attachment C of HMTSP) (GE, 2003), included a schedule for the frequency of inspection; this schedule was followed during implementation of the RA at Area 28.

2.2 Clearing

Two types of clearing were performed at the Site: 1) clearing for Site preparation and access road construction; and 2) above-grade clearing to facilitate equipment access to removal areas. Minimal clearing was performed during construction of the access road along the east side of the Valatie Kill, since a partial access road used by the landowner already existed in this area (See Figures 1 and 2).

ITS conducted the second type of clearing activity, which included clearing and tree removal. ITS cleared materials from along the eastern and western stream banks to allow access to the working areas. Trees greater than 6 inches in diameter at breast-height were removed, as needed. To support restoration activities, a tree inventory was maintained that included photographs of removed trees, along with their locations, species, and sizes. Cleared above-grade materials were either chipped for later use on-site or corded and left on-site for landowner use. In total, 22 trees (eight 7- to 18-inch maples, seven 10- to 17-inch elms, two 8-inch black birches, one 22-inch pine, one 14-inch red maple, one 17-inch poplar, one 9-inch cherry, and one 12-inch ash) were cut down. These trees were replaced during restoration activities (see Section 4[2]).

2.3 Access Roads

The existing access road was extended with a layer of geotextile fabric topped by a layer of crusher-run stone, which was then compacted by a vibratory roller. A spur from the access road extended to the west, down and into the eastern stream bank area (Figure 2). The access road constructed/refurbished on the east side of the gravel parking lot began at Krouner Road and extended southward to the northern end of the tennis court (not depicted; approximately 500 feet south of Krouner Road) where it turned to extend westward toward the Valatie Kill to intersect with the access road running parallel to the Valatie Kill. These access roads were approximately 10 to 12 feet wide, allowing for safe travel of excavation and hauling equipment. To gain access to materials on the western side of the Valatie Kill, a temporary access road was built across the Valatie Kill. This road was constructed from riprap stone and crusher-run stone with two 30-inch corrugated high-density polyethylene (HDPE) culverts placed to allow uninterrupted flow in the Valatie Kill.

As needed, additional, small temporary access roads were constructed to allow equipment access for excavation and removal. Geotextile fabric was laid for excavation and hauling equipment to drive over when entering and leaving the work areas to minimize contamination. When necessary, excavation equipment was staged overnight in the work area on geotextile fabric. To provide a secondary level of containment while loading materials, a polyethylene liner was placed each day on the ground beneath the dump truck. Any incidental water or material was contained on the liner, promptly removed, and transported to the MSDP.

[2] Two additional trees were surveyed by WDS in the final as-built; see Figures 8 and 9.

2.4 Temporary Erosion and Sedimentation Controls

During clearing, prior to initiation of removal activities, temporary erosion and sedimentation controls were installed to minimize erosion and runoff loading to the Valatie Kill, and to prevent material from being carried beyond the limits of work activities. Only temporary controls are discussed here. Permanent erosion controls are discussed in greater detail in Section 5.

Silt fencing was used to reduce stormwater runoff velocity and runoff loading to the Site, as well as to minimize materials loading from work areas within the Site and the Valatie Kill. Silt fencing was anchored in place using sand bags and was typically installed along the perimeter of those areas with increased potential for erosion and sedimentation (e.g., access road slopes), as well as at the downstream limits of the work area (i.e., along the banks of the Valatie Kill). Hay bales were added to sections of the silt fencing where velocities and materials loading had the potential to be higher, as well as along access roads and the MSDP to minimize runoff and erosion (see Site photographs in Appendix B). The silt fencing, sand bags, and hay bales were removed in the spring of 2004, upon completion of the restoration activities.

2.5 Support Area

2.5.1 Materials Staging and Dewatering Pad (MSDP)

The MSDP was constructed adjacent to the tennis court on the east side of the Valatie Kill and measured approximately 60 feet by 250 feet (Figure 3). Hay bale berms were constructed around the staging area and a 40-millimeter (mil) HDPE liner was laid over geotextile fabric to form a liner system for staging and dewatering materials. At the end of each work day and during periods of precipitation, materials within the MSDP were covered with a secured 6-mil polyethylene liner. TSCA and non-TSCA materials were separated in the MSDP; non-TSCA materials were staged up-slope of TSCA materials. Water was collected at the low end of the MSDP and processed through the water treatment system described below, in Section 2.5.3. Photographs of the MSDP are included in Appendix B.

2.5.2 Decontamination of Personnel, Vehicles, and Equipment

Personnel, vehicles, and equipment all underwent decontamination before leaving each work area and after handling TSCA materials. Routine decontamination measures included:

- Removing gross contamination from the outer clothing and boots of personnel leaving the Site;
- Removing any contaminated personnel outer garments and gloves and disposing of them in waste receptacles; and
- At the MSDP, pressure washing vehicles and equipment that directly contacted PCB-containing materials. SLC then performed wipe sampling on the equipment as part of the pre-demobilization inspection. The wipe sample laboratory analytical results are presented in Table 5 and are included in Appendix E.

Waste water generated during equipment cleaning was collected in the MSDP and treated by the on-site water treatment system (see Section 3.4). Solids and other materials generated during cleaning of equipment used in TSCA areas were collected and disposed of with TSCA materials. Likewise, solids and other materials generated during cleaning of equipment used in non-TSCA areas were collected and disposed of with other non-TSCA materials.

2.5.3 Water Treatment Area

The water treatment area was located adjacent to the MSDP, on the west side of the access road, and measured approximately 100 feet by 30 feet (Figure 3). A water treatment system consisting of fractionation tanks on the front end for water storage, filtration (for solids removal), and granular-activated carbon (for adsorption of PCBs) was assembled to treat water generated during the RA and associated decontamination activities. Specifically, water was pumped from the MSDP, via a sump pump, into a fractionation tank to allow settling. Waters were pumped in series through two bag filters, equipped with 30-micron polyester filter bags and through the carbon vessels, consisting of two 1,000-pound carbon canisters. Water then passed through another bag filter equipped with a 10-micron polyester bag and into a second fractionation tank for storage and testing prior to discharge to a NYSDEC-approved dissipation gallery. A photograph of the water treatment area is included in Appendix B.

2.6 Temporary Water Diversion

Temporary water diversion was performed throughout implementation of the RA to allow for the removal of materials in-the-dry, to the extent possible. Primary water diversion was accomplished through the use of a bladder dam. Localized diversion was accomplished, via sump pumps for the duration of the RA, as needed. Diversion piping was used to transport Valatie Kill flow from upstream of the bladder dam to downstream of the

removal area. As indicated in Section 2.5.3, all diverted water was discharged through NYSDEC-approved dissipation galleries. The approximate location of the bladder dam is depicted on Figure 4 and a photograph of the bladder dam is included in Appendix B.

On October 27, 2003 extraordinarily heavy rains caused the bladder dam to move from its installed position and become damaged beyond repair. As of that date, all materials designated for removal and disposal had been removed from the Site, and all areas had been backfilled. Following this date, localized diversion methods were used, as needed, for the remainder of the RA.

2.7 Air Monitoring

Air monitoring was conducted, as prescribed in the RFP, at locations around the perimeter of the work area during project activities that involved either excavation or materials handling. The purpose of the air monitoring was to gauge the contribution, if any, of remedial activities to the ambient presence of airborne particulates and volatile organic compounds (VOCs). Air monitoring was conducted in general accordance with NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) #4031 – *Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites* (NYSDEC, 1989), and the New York State Department of Health (NYSDOH) generic Community Air Monitoring Plan (CAMP) (RFP Attachment E, BBL, 2003a). TAGM 4031 and CAMP provided the basis for implementing the particulate and contaminants (i.e., VOCs) monitoring program as an element of the project's HASP (BBL, 2002c).

SLC conducted air monitoring – using a PDR-1000 particulate dust monitor and a Mini-Rae 2000 for VOCs – which consisted of both visual inspection of the Site for airborne particles and monitoring when precipitation was not occurring or had recently occurred. Air monitoring was conducted at various locations along the perimeter of the work area, depending on the excavation configuration.

The action level for particulate dust was 150 micrograms per cubic meter ($\mu g/m^3$) above the corresponding upwind value, in compliance with the NYSDEC's TAGM 4031, and 25 parts per million (ppm) for total organic vapor levels, in compliance with the NYSDOH's CAMP. There were no detections for organic vapor levels. All particulate dust readings were well below the action level, ranging from 1 to 40 $\mu g/m^3$.

Air monitoring field data are included in Appendix F. Note that the recorded air monitoring data must be multiplied by 1,000 to obtain the actual reading (e.g., 0.150 noted on the data form equals 150 $\mu g/m^3$).

2.8 Survey Activities

To confirm the removal of targeted materials, material removal areas (i.e., Theissen polygon boundaries and surface/bottom elevations) were surveyed before and after materials were excavated. Excavated polygons were also surveyed following backfilling to document final restoration grade.

Surveying activities, including locating and demarcating samples, grid layout, and related tasks were performed by WDS, a New York State licensed independent third-party surveyor retained by SLC.

3. Remedial Activities

Material removal activities occurred between September 9, 2003 and October 24, 2003, in accordance with the RAWP (BBL, 2002a), RFP (BBL, 2003a), and approved field changes (Appendix A). The material removal methods and associated activities are described below.

3.1 Removal Activities

As discussed in Section 1, the Site was organized into three removal areas (NA, SA, and SB), which were then subdivided into a total of 40 Theissen polygons – 18 polygons in NA, 16 in SA, and six in SB. As stated in Section 1, the design estimated that approximately 2,173 cy of materials would be removed from the Site (See Table 1 for detailed breakdown). A total of approximately 2,171 cy of material were removed from Area 28 (volume determined from as-built survey and removal depths reported in field notes with NYSDEC-approved changes), as indicated in the table below. Materials were removed using conventional excavation methods, generally from upstream to downstream: beginning in polygon NA-60, continuing to the SA polygons, back into the remaining NA polygons, and finishing in the SB polygons. The timeframe of removal activities in each area is also indicated in the table below.

Summary of Removal Activities

Removal Area	Volume of Material Removed (cy)	Timeframe
NA	1,630	September 9, 2003 to October 23, 2003
SA	429	September 10, 2003 to October 13, 2003
SB	112	October 10, 2003 to October 24, 2003

Post-excavation survey activities were conducted to document the lateral and vertical extent of excavation activities. As-built survey documentation is contained in Appendix G, and is included on as-built figures in this CR, as appropriate.

Three types of field changes occurred during material removal activities: 1) the target excavation depth was modified in certain polygons due to equipment refusal; 2) certain non-TSCA intervals were excavated as TSCA materials to streamline excavation activities; and 3) minor adjustments were made to the extent of excavation in certain polygons to minimize impacts to established trees.

Prior to completion of excavation at each polygon, all final excavation depths and field changes were approved by the on-site NYSDEC representative, as warranted, and were confirmed with real-time survey data, at a minimum. In several cases, equipment refusal was noted prior to achieving the anticipated termination depth. A representative photograph of sub-gradient material causing an instance of equipment refusal is included in Appendix B. In general, refusal was caused by a very hard, till-like stratigraphic unit found below the typically softer, more clayey, targeted material. This type of field change is described in detail below. In four polygons (NA-62, NA-65, NA-70, and NA-78), anticipated excavation depths were not reached due to equipment refusal. The anticipated and actual excavation depths (in feet) for these polygons are summarized in the following table:

Polygon Excavation Depths – Altered Due to Equipment Refusal

Polygon	Anticipated Intervals (feet)		Actual Intervals (feet)		Adjustments
	TSCA	Non-TSCA	TSCA	Non-TSCA	
NA-62	--	0 to 5	--	0 to 5 (see comments)	Refusal at 2.7 feet below ground surface (bgs) at delineation point SB-59 (Figure 4) and at 3.2 feet bgs between delineation points. SB-59 & SB-50 along the southeastern side of this polygon due to hard, till-like material. The remainder of the polygon was excavated to 5 feet bgs.
NA-65	2 to 5	0 to 2; 5 to 6	0 to 4.5	--	Refusal from 4.0 to 4.5 feet bgs throughout polygon due to hard, till-like material (refusal at 2.0 feet bgs in southwest corner).
NA-70	4 to 5	0 to 4; 5 to 6	3.5 to 5.2 (south half); 3.5 to 6.0 (north half)	0 to 3.5	Refusal 5.2 feet bgs in the southern half of the polygon.
NA-78	0 to 6	0 to 6	--	0 to 6 (see comments)	Refusal from 5.6 to 5.8 feet bgs along the SE side of polygon (between delineation points SB-39 & SB-40) due to hard, till-like material. The remainder of the polygon was excavated to 6 feet bgs.

Note:

1. -- No equipment refusal experienced among this type of material.

In five polygons (NA-61, NA-65, NA-66, NA-70, and NA-71), some non-TSCA designated material was removed and disposed as TSCA material to streamline removal activities. The adjustments to removal intervals were conservative in that: 1) the uppermost layer (the non-TSCA layer in all cases) was removed to ½-foot

shallower than the design interval; or 2) the entire segment was removed as TSCA material. Anticipated and actual removal intervals for TSCA and non-TSCA materials are summarized in the following table:

Polygon Excavation Intervals – Modified TSCA/non-TSCA

Polygon	Anticipated Intervals (feet)		Actual Intervals (feet)	
	TSCA	Non-TSCA	TSCA	Non-TSCA
NA-61	3 to 3.5	0 to 3	2.5 to 3.5	0 to 2.5
NA-65*	2 to 5	0 to 2; 5 to 6	0 to 4.5	--
NA-66	1 to 2.5	0 to 1	0 to 2.5	--
NA-70*	4 to 5	0 to 4; 5 to 6	3.5 to 5.2 (south half) 3.5 to 6 (north half)	0 to 3.5
NA-71	5 to 6	0 to 5; 6 to 7	4.5 to 7	0 to 4.5

Notes:
1. * Indicates that the polygon was not excavated to depth due to equipment refusal as noted on page 3-2 in the table Polygon Excavation Depths – Altered Due to Equipment Refusal."
2. -- Indicates that no portion of anticipated interval was ultimately excavated as non-TSCA.

The presence of trees or extensive tree root systems in two polygons resulted in NYSDEC-approved adjustments to the anticipated removal area. These adjustments are summarized in the following table:

Polygon Excavation Depths – Tree-Related Adjustments

Polygon	Adjustments
NA-60	A portion of the southwest corner of this polygon was not excavated to final depth to prevent the disturbance of tree roots for a 14-inch diameter poplar tree present in the southwest corner of this polygon.
NA-80	A 4-square-foot area was not excavated to final depth at the west corner of this polygon as a large tree was present just inside the excavation limits.

3.2 Post-Construction Investigation, Sampling, and Analysis

As prescribed in the NYSDEC-approved Post-Construction Sampling Protocol (Appendix A), post-construction investigation, sampling, and analysis was conducted during the RA. Representative sampling locations (a total of 10 samples; Table 3, Figure 5) were selected by the NYSDEC based on post-removal conditions and surveying. One sample (NA-65) of the hard, till-like material was collected from a polygon where the final removal depth had been adjusted due to refusal.

After the excavation of each polygon, WDS surveyed several locations of the excavation bottom to ensure that the target depth for removal had been met. Ten post-construction samples were collected after excavation activities in certain polygons were complete, and prior to backfilling each respective polygon (Table 3). The samples (SA-69, SA-85, SA-90, SA-97, NA-61, NA-65, NA-71, NA-77, NA-79, and SB-46) (Figure 5) were collected from the next 6 inches below grade by hand, using clean stainless steel equipment (Appendix C).

At polygon SA-69, analysis of the post-construction samples revealed a PCB level of 0.92 ppm. As a conservative measure, and with the concurrence of NYSDEC, SLC excavated an additional 6 inches of material around the confirmatory sample point in polygon SA-69.

Results of post-construction sampling confirmed that materials had been removed in accordance with the RAWP and approved field changes. Figure 5 depicts the extent of excavation in the removal areas and identifies the 10 sample locations and related data. Laboratory analytical results for the post-construction sampling are provided in Appendix C.

3.3 Removed Materials Handling and Transportation

Removed materials were transported to the MSDP, gravity dewatered, and covered daily with 6-mil polyethylene sheeting to minimize the potential for release as removed materials were loaded, and during rain events to prevent re-wetting. HDPE was placed under equipment during loading and unloading of materials. The MSDP was constructed to collect fluids produced during dewatering and incidental rainfall (Section 3.4). As indicated in Section 2.5.1, drained waters from materials were collected on the MSDP and treated by the on-site water treatment system.

When necessary, the materials were solidified with cement kiln dust (CKD) prior to transport for off-site disposal. Residual solid wastes (used hoses, carbon from the water treatment system, personal protective

equipment (PPE), bag filters, liner materials, silt fence, hay bales) were disposed with the appropriate materials waste stream (i.e., either TSCA or non-TSCA).

TSCA materials were transported from the Site to CWM Chemical Services, in Model City, New York (near Buffalo) and non-TSCA materials were transported to High Acres disposal facility located in Fairport, New York (near Rochester).

3.4 Water Treatment and Discharge

As discussed in Section 2.5.3, a water treatment system was assembled to treat water generated during the RA and decontamination procedures (treatment procedure details provided in Section 2.5.3). After treating a batch of water (generally ~20,000 gallons), samples were collected for analysis of PCBs, oil and grease, total suspended solids (TSS), and pH, in accordance with the Effluent Limitation and Monitoring Requirements presented in the RAWP (BBL, 2002a). If sample results were unacceptable, that batch of water was re-treated and re-sampled (see Table 4).

Once the laboratory reported that the water had tested below discharge limits and results were approved by the NYSDEC, the water was discharged to the ground surface via a dissipation gallery consisting of silt fencing and hay bales on the southeast side of the Valatie Kill. A total of approximately 64,300 gallons (four batches consisting of approximately 18,000, 19,000, 20,000 and 7,300 gallons) of water were treated and discharged throughout the implementation of the RA. The laboratory analytical data for all batches is presented in Table 4 and included in Appendix D.

4. Stream and Wetland Restoration

Upon completion of the material removal activities, restoration of scrub-shrub, emergent wetlands, banks, and enhancement of substrate in portions of the Valatie Kill commenced. Restoration activities and construction of environmental structures were undertaken in accordance with the *Stream and Wetland Restoration/Enhancement Specifications Plan* (SWR/ESP) (Attachment to RFP, BBL, 2003a). Prepared as a component of the Nationwide Permit (NWP) Application to the United States Army Corps of Engineers (USACE) for the Site, the SWR/ESP addressed stream and wetland restoration and enhancement activities to mitigate impacts from the RA. Restoration and planting plans, as presented in the RFP (BBL, 2003a), can be found on Figures 6 and 7. Photographs of restoration activities are included in Appendix B.

4.1 Wetlands

Following removal of materials, approximately 0.24 acre of emergent and scrub-shrub wetlands were restored (Section 3.0 of RFP). After the completion of excavation activities in Wetlands 1 (0.01 acre) and 4 (0.2 acre), Wetland 1 was eliminated as a result of bank stabilization efforts along the eastern bank of the Valatie Kill. Consequently, the restoration of Wetland 4 included an additional 0.03 acre to mitigate the loss of Wetland 1 (Figure 8). Wetland restoration details are provided in MP-02210 – Wetland Restoration of the RFP (BBL, 2003a), and are described in the following sections.

4.1.1 Wetland Grading

Wetland topography and the channel morphology adjacent to the wetland were restored to maintain the pre-excavation hydrologic interaction between the stream and the wetland. The elevational contours for the restored wetland are shown on Figure 8 and vary between the elevations of 430 feet above mean sea level (amsl) and 432 feet amsl. To allow for the creation of microhabitats and variability in degrees of soil saturation and inundation, the surface of the wetland was finished with hummocks, hollows, and undulations throughout.

Two slightly reduced elevation inlets were constructed in the restored wetland to allow Valatie Kill water to enter the wetland during high-flow conditions. The upstream inlet is located in the velocity shadow of the transverse bar structure (Section 4.4), at an elevation of 431.5 feet, to inhibit short-circuiting of base flows through the wetland (Figures 8 and 9). The downstream inlet is connected with the backwater area at an elevation of approximately 430 feet, to provide the primary hydrology to the wetland at base-flows (Figures 8

and 9). The backwater area that currently exists at the southwest corner of the wetland was restored to its original elevations, which ranged between 420 and 430 feet amsl.

Final grading was accomplished in the fall of 2003. In the spring of 2004, wetland grading was re-evaluated and it was determined that portions of the wetland had changed since the fall. To compensate, SLC installed additional topsoil over the wetland and re-graded the area, where needed.

4.1.2 Wetland Topsoil

At the completion of removal activities, Wetland 4 was backfilled with general fill (MP-02221 – Backfill Materials) to 1 foot below the final grades, as discussed in Section 4.1. Final elevations were achieved, by installing 1 foot of wetland topsoil, following completion of all removal activities, as specified in MP-02210 – Wetland Restoration (provided with the RFP [BBL, 2003a]). Wetland topsoil obtained by SLC for use in achieving final elevations was determined, by BBL review of SLC's specification submittal on November 5, 2003, to be generally consistent with the grain size distribution, pH, and total organic carbon (TOC) content of the pre-disturbance wetland soil.

4.1.3 Vegetation

In spring 2004, replacement wetland soil was placed to final grades in the restored wetland and vegetation was planted in both the wetland and on the recently restored banks. Wetland seed was applied at a rate of 16 pounds per acre. After seeding, a biodegradable erosion control fabric (North American Green C125BN) was installed over the entire wetland as well as the intermediate armored banks (as described below) to provide erosion protection from storm flow prior to vegetation establishment. Wetland shrubs were planted through the erosion control blanket. Species and planting densities for vegetation in the enhanced wetland are presented on Figure 9. Details of the wetland vegetation seeding and planting methodologies are presented in the MP-02210 – Wetland Restoration (provided with the RFP [BBL, 2002a]).

Also in spring 2004, approximately 1,370 square feet (0.03 acre) of the previously unvegetated backwater channel area was planted with bare root herbaceous vegetation to create an enhanced emergent wetland to mitigate the loss of the 0.01 acre emergent wetland on the east shore of the Valatie Kill. The bank areas surrounding the backwater wetland were seeded with the wetland seed mix and covered with an erosion control blanket (North American Green S150), as required for the soft armor bank in the SWR/ESP (BBL, 2003d).

4.2 Valatie Kill Substrate

Based on chemical analysis of the Valatie Kill substrate, approximately 101 cy of substrate, including a portion of the mid-stream gravel bar, were removed as part of remedial activities (see Section 3 for more detail). To enhance and diversify the substrate of the Valatie Kill, areas with less than or equal to 1 foot of material removed from the surface were restored to original grades with substrate material (MP-02221 – Backfill Materials) consisting of 80% gravel between 10 and 50 millimeters (mm) in diameter and 20% gravel/cobble between 50 and 100 mm in diameter. Areas with greater than 1 foot of material removed from the surface were restored with general fill overlaid with one foot of substrate material to the existing bed elevation immediately upstream of the removal area (MP-02221 – Backfill Materials). Areas that received substrate enhancement are indicated on Figure 8. Since the constructed transverse bar and riffle area replaced and functionally enhanced the gravel bar, the portions of the gravel bar that were not disturbed during remedial activities were removed to create a consistent upstream-to-downstream grade. The removed gravel bar material was used as general fill elsewhere on the Site, as approved by the NYSDEC.

4.3 Banks of the Valatie Kill

Based on their location and potential exposure to erosive forces of flowing water, bank areas disturbed by remedial activities were restored to pre-disturbance grades and protected from erosion. In areas exposed to potentially moderate flows, banks were restored with intermediate armor; and areas with sharp curves and bank points were restored with hard armor. In addition, a portion of one bank along the restored wetland was restored using a crib wall to protect it from erosion and to enhance the habitat value of the wetland bank for fish. A transverse bar was installed upstream of the crib wall to redirect base flow away from the wetland bank. The locations of the different bank restoration applications are indicated on Figure 8. The following sections present a summary of the installation of the restored banks and constructed structures.

4.3.1 Soft Armor Bank

The soft armor bank restoration methodology consisted of using general fill (MP-02221 – Backfill Materials) to restore the bank to an elevation of 1 foot below original grade, and creating final elevations with one foot of topsoil (MP-02209 – Topsoil and Seeding). Upland banks were then seeded with an erosion control seed mix, also specified in MP-02209. Seeding in the wetland area used a seed mix specific to wetlands (MP-02210 – Wetland Restoration). Since the restoration, seeding, and planting were performed in the spring – before vegetation had a chance to establish and anchor the bank, an erosion control fabric (North American Green

S150) was installed on the bank. Figure 10 presents a typical cross-section of the soft armor bank restoration utilized in the portions of the Site indicated on Figure 8. As shown, this soft armor option was applied to the portion of the bank along the backwater segment of the restored wetland.

4.3.2 Intermediate Armor Bank

The intermediate armored banks were restored to original grade with general fill (MP-02221 – Backfill Materials) and 1 foot of topsoil (MP-02209 – Topsoil and Seeding), as described in Section 4.3.1. The intermediate armor option was similar to the soft armor design, but utilized a stronger and more durable erosion control fabric (North American Green C125BN). The toe of the blanket was anchored at the bottom with 1 foot of Type II riprap (MP-02221 – Backfill Materials), from 1 foot below the toe of the bank slope to the mean water elevation to protect against undercutting.

The intermediate armor bank on the west side of the stream was restored in the fall of 2003 and the bank was covered with the biodegradable erosion control blanket to 3 feet above the mean water elevation up the bank to protect the bank from high flows. Seeding of all other intermediate armored banks occurred in the spring of 2004.

Seeding with an erosion control seed mix, as specified in (MP-02209 – Topsoil and Seeding), was performed prior to blanket installation in upland areas. Seeding in the wetland area utilized the wetland seed mix and erosion control fabric (North American Green C125BN), as specified on Figure 7. The intermediate armor bank restoration was utilized in the portions of the Site specified on Figure 8, except for one location. Based on observed post-construction field conditions, it was determined that an undisturbed bank area required hard armoring, and an area of equal length that was proposed for hard armor only required intermediate armor. Figure 8 presents the final locations of the different bank restoration options.

4.3.3 Hard Armor Bank

Banks requiring hard armor were restored with general fill (MP-02221 – Backfill Materials) and brought to final grade with 1 foot of Type II riprap (MP-02221 – Backfill Materials) from 1 foot below the toe of the slope to the top of bank. This option was utilized in areas of potentially higher shear stress, such as sharp bends and areas of flow constriction. The bank locations where hard armoring was applied are presented on Figure 8.

4.3.4 Crib Wall

A crib wall was constructed to protect a portion of the bank along the restored wetland, and also served as a fish habitat enhancement structure. The crib wall consisted of a series of overlapping hardwood logs laid perpendicular to each other, embedded along the bank below the mean water elevation, and pinned together for stability (Figure 8). Live willow cuttings were installed between logs in the upper layers of the crib wall facing the water, and general fill (MP-02221 – Backfill Materials) was used to fill the structure behind the willows to create a natural appearing vegetated bank (Figure 8). Wetland topsoil (MP-02210-1 – Wetland Restoration) formed the final elevation above the cribs. In addition, Type II riprap (MP-02221 – Backfill Materials) was installed beneath the face of the structure to stabilize the toe of the bank. This structure was utilized to protect the northern bank of the stream at the Site, downstream of the transverse bar, as shown on Figure 8.

4.4 Transverse Bar

A transverse bar was created upstream of the restored wetland area to redirect base flow into the main channel, as shown on Figure 8. The transverse bar is a submerged angled weir consisting of rock material that produces a local elevation rise, which can improve fish habitat by producing variability in both stream depth and velocity. The bar was constructed with Types II and III riprap, ranging in size from 6 to 12 inches in diameter (MP-02221 – Backfill Materials). The bar was installed at an angle to the stream bank to direct water flow in the desired manner and had a steeper face upstream than downstream. The portions of the bank immediately upstream and downstream of the bar were hard-armored to the top of the bank to protect them from eroding.

4.5 Wetland and Stream Bank Planting

TES performed the wetland and stream bank planting between May 3, 2004 and May 5, 2004. Shrub planting occurred along an approximate 60-foot section above the top of the east bank (Figure 9). Wetland trees and shrubs were planted as outlined in the SWR/ESP (BBL, 2002d).

4.6 Monitoring

Per the NWP, the environmental structures and restored wetland will be monitored annually for 5 years. This annual monitoring will include:

- Photographing the Site under normal flow conditions, following a high-flow event;

- Conducting a Level II stream classification including channel dimensions at bank-full in both riffle and pool sections, longitudinal reach profiles, a pebble count, and the identified stream type;
- Describing the existing condition of the channel and environmental structures, stream conditions upstream and downstream of the Site, and any observed use of the Site by fish and wildlife; and
- Quantifying wetland plant survival and percentage of ground cover for comparison to annual performance standards presented in the SWR/ESP (BBL, 2002d).

The results of the annual monitoring will be documented in reports to the NYSDEC and USACE.

5. Overall Restoration and Demobilization

After construction activities were completed in December 2003, excavation/support equipment, the MSDP, unused supplies and materials, and the project trailers were dismantled and demobilized from the Site. At the request of the landowner, the temporary utility connections installed at the new utility pole were terminated in-place and de-energized upon completion of the RA.

Prior to demobilization, equipment that had come into contact with removed materials (e.g., excavators, dump trucks) was subjected to wipe sampling, in accordance with the RAWP (BBL, 2002a). All sample results were less than 1 ug/100 cm^2 (BBL, 2002a). The results are presented in Table 5 and in Appendix E.

In addition to in-stream restoration, other portions of the work area were restored in the spring of 2004, including the support areas, access roads constructed during the RA, and existing parking lot/access roads (Figures 6, 7, 8, and 9). Restoration activities for these areas included removing materials that were not part of the Site prior to the RA (e.g., additional access roads), placing a 6-inch-thick layer of topsoil to match surrounding grades, planting vegetation (e.g., seeding, trees), and repairing surfaces, where needed.

The restoration work will be maintained and adequately protected using erosion control measures, as appropriate and discussed below, such that conditions similar to pre-removal conditions exist during a period of 1 year, as described in the RFP (BBL, 2003a).

5.1 Permanent Erosion and Sedimentation Controls

Permanent erosion and sedimentation controls applied at the Site included grasses and trees. The furnishing and placement of topsoil, seed, and mulch were conducted in accordance with MP-02209 – Topsoil and Seeding (provided with the RFP [BBL, 2003a]). When required to attain germination, the seeded areas were watered in such a manner as to prevent washing out of the seed.

Trees greater than 6 inches in diameter, at a height of approximately 4 feet, damaged, destroyed, or removed during execution of the work, were replaced with like species, at least 5 feet tall, in accordance with procedures set forth in the RFP (BBL, 2003a). Wetland and stream areas within Area 28 were restored in accordance with the SWR/ESP (BBL, 2003d).

In addition to the monitoring activities indicated in Section 4.6, the permanent erosion and sedimentation controls will continue to be maintained in an acceptable condition for a period of 1 year following the date of completion (i.e., through August 2005).

6. References

Blasland, Bouck and Lee, Inc, (BBL). 2003a. *Request for Proposal, Remedial Action – Area 28. Loeffel Site Environs Operable Unit 3.* Prepared for the General Electric Company, Albany, NY.

BBL. 2003b. Letter dated April 28, 2003 to NYSDEC Reporting Predesign Sampling Results in Area 28. *Loeffel Site Environs Operable Unit 3.* Prepared for the General Electric Company, Albany, NY.

BBL. 2002a. *Area 28 Remedial Action Work Plan. Loeffel Site Environs Operable Unit 3.* Prepared for the General Electric Company, Albany, NY.

BBL. 2002b. *Area 28 Remedial Action Work Plan, Construction Quality Assurance Plan. Loeffel Site Environs Operable Unit 3.* Prepared for the General Electric Company, Albany, NY.

BBL. 2002c. *Area 28 Remedial Action Work Plan, Health and Safety Plan. Loeffel Site Environs Operable Unit 3.* Prepared for the General Electric Company, Albany, NY.

BBL. 2002d. *Area 28 Stream and Wetland Restoration/Enhancement Specifications Plan, Area 28 Remedial Action Work Plan. Loeffel Site Environs Operable Unit 3.* Prepared for the General Electric Company, Albany, NY.

General Electric Corporate Environmental Programs. 2003. *Hazardous Materials Transportation Security Plan*.

New York State Department of Environmental Conservation. 1989. TAGM #4031 – *Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites.*

Tables

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Table 1
General Electric Company
Loeffel Site Environs
Area 28 Remedial Action Completion Report

Summary of Removal Activities

Removal Date[1]	Polygon ID[2]	Volume (cubic yards)			
		TSCA	Non-TSCA	TSCA	Non-TSCA
		Estimated[4]		Actual[5]	
9/11/2003	NA60	0.0	54.0	0.0	54.0
10/9/2003	NA61	14.0	85.4	28.5	71.2
10/7/2003	NA62	0.0	220.0	0.0	274.8
10/12/2003	NA64		7.0	0.0	14.0
10/9/2003	NA65	156.5	156.5	208.4	0.0
10/9/2003	NA66	40.9	27.3	68.2	0.0
10/12/2003	NA67	0.0	18.9	0.0	28.3
10/12/2003	NA68	0.0	15.9	0.0	15.9
10/9/2003	NA70	44.0	222.0	93.3	155.4
10/21/2003	NA71	52.0	262.2	130.3	236.0
10/11/2003	NA75	0.0	17.9	0.0	17.9
10/11/2003	NA76	0.0	19.3	0.0	19.3
10/13/2003	NA77	0.0	32.4	0.0	32.4
10/22/2003	NA78	0.0	145.3	0.0	135.6
10/23/2003	NA79	0.0	21.3	0.0	21.3
10/22/2003	NA80	0.0	13.7	0.0	13.7
10/12/2003	NA82	0.0	6.1	0.0	6.1
10/12/2003	NA83	0.0	4.7	0.0	4.7
9/18/2003	SA69	0.0	36.9	0.0	36.9
9/17/2003	SA71	0.0	36.0	0.0	36.0
10/13/2003	SA72	0.0	45.5	0.0	45.5
9/15/2003	SA81	0.0	26.3	0.0	26.3
10/12/2003	SA82	0.0	13.8	0.0	13.8
9/15/2003	SA85	0.0	11.8	0.0	11.8
9/15/2003	SA86	0.0	10.0	0.0	10.0
9/15/2003	SA87	0.0	6.4	0.0	6.4
9/15/2003	SA88	0.0	3.4	0.0	3.4
9/15/2003	SA90	0.0	38.5	0.0	38.5
9/15/2003	SA91	0.0	26.3	0.0	26.3
9/11/2003	SA93	0.0	38.9	0.0	38.9
9/11/2003	SA94	0.0	58.0	0.0	58.0
9/11/2003	SA96	0.0	15.6	0.0	15.6
9/11/2003	SA97	0.0	31.6	0.0	31.6
9/10/2003	SA99	0.0	30.4	0.0	30.4
10/13/2003	SB33	0.0	4.8	0.0	9.5
10/23/2003	SB38	0.0	4.9	0.0	4.9
10/23/2003	SB41	0.0	47.4	0.0	47.4
10/23/2003	SB46	0.0	44.1	0.0	44.1
10/23/2003	SB47	0.0	3.6	0.0	3.6
10/23/2003	SB49	0.0	2.6	0.0	2.6
Total (cy)		**307**	**1866**	**529**	**1642**

Notes:

1. "Removal Date" is the completion date when all material had been removed from the polygon.
2. "Polygon" is the removal area as denoted by the excavation coordinates surveyed prior to and following excavation. Figures 4 and 5 depic respective polygon boundaries.
3. TSCA = Toxic Substances Control Act.
4. "Estimated" is the estimated removal volume as reported in the RFP.
5. "Actual" is the approximate removal volume based on as-built spot elevations and removal depths, and NYSDEC-approved modifications to removal depths reported in field notes.

Table 2
General Electric Company
Loeffel Site Environs
Area 28 Remedial Action Completion Report

Summary of Shipped Materials[1]

Shipped Material (tons)		
Date	TSCA	Non-TSCA
10/3/2003	--	32.43
10/3/2003	--	31.48
10/3/2003	--	26.48
10/3/2003	--	32.85
10/3/2003	--	29.37
10/6/2003	--	33.81
10/6/2003	--	33.88
10/6/2003	--	32.55
10/6/2003	--	30.04
10/7/2003	--	33.32
10/7/2003	--	34.81
10/7/2003	--	39.39
10/7/2003	--	33.32
10/7/2003	--	30.79
10/7/2003	--	36.19
10/7/2003	--	33.91
10/7/2003	--	33.09
10/8/2003	--	34.60
10/8/2003	--	29.12
10/8/2003	--	28.52
10/9/2003	--	28.79
10/9/2003	--	32.33
10/9/2003	--	29.03
10/9/2003	--	34.27
10/10/2003	--	33.48
10/10/2003	--	34.41
10/10/2003	--	35.41
10/10/2003	--	33.28
10/10/2003	--	35.22
10/13/2003	--	32.50
10/13/2003	--	31.27
10/13/2003	--	32.26
10/13/2003	--	25.85
10/13/2003	--	28.91
10/13/2003	--	33.39
10/13/2003	--	26.55
10/14/2003	--	30.96
10/14/2003	--	29.95
10/14/2003	--	27.16
10/14/2003	--	38.06
10/14/2003	--	32.87
10/14/2003	--	33.09
10/15/2003	--	32.05
10/15/2003	--	32.16
10/15/2003	--	29.31
10/15/2003	--	34.96
10/16/2003	37.21	27.66
10/16/2003	29.79	35.48
10/16/2003	26.75	35.75
10/16/2003	29.68	36.18
10/17/2003	29.55	--
10/17/2003	31.70	--
10/17/2003	31.02	--
10/17/2003	30.63	--
10/21/2003	32.72	25.99
10/21/2003	31.05	30.14
10/21/2003	30.10	32.09
10/21/2003	32.12	--
10/22/2003	--	26.96
10/22/2003	--	28.72
10/22/2003	--	30.21

Shipped Material (tons) cont'd		
Date	TSCA	Non-TSCA
10/23/2003	--	32.60
10/23/2003	--	30.90
10/23/2003	--	31.15
10/27/2003	--	30.63
10/27/2003	--	24.52
10/27/2003	--	29.07
10/27/2003	--	26.32
10/27/2003	--	25.50
10/27/2003	--	33.43
10/28/2003	--	29.33
10/28/2003	--	32.03
10/28/2003	--	30.83
10/28/2003	--	33.46
10/29/2003	--	31.69
10/29/2003	--	28.09
10/29/2003	--	31.44
10/29/2003	--	24.75
10/29/2003	--	29.46
10/29/2003	--	27.22
10/30/2003	--	28.03
10/30/2003	--	32.48
10/30/2003	--	31.78
10/31/2003	--	35.27
10/31/2003	--	32.24
11/4/2003	33.18	--
11/4/2003	28.67	--
11/4/2003	28.80	--
11/4/2003	28.86	--
11/5/2003	31.67	35.93
11/5/2003	33.26	--
11/5/2003	30.72	--
11/5/2003	29.21	--
11/6/2003	29.96	30.39
11/6/2003	30.89	30.35
11/6/2003	31.84	--
11/6/2003	32.05	--
11/7/2003	28.11	26.04
11/7/2003	30.81	--
11/7/2003	32.31	--
11/7/2003	30.93	--
11/10/2003	--	27.60
11/10/2003	--	28.59
11/11/2003	--	32.53
11/11/2003	--	32.11
11/11/2003	--	32.40
11/11/2003	--	29.71
11/20/2003	--	37.48
11/21/2003	25.61	--
11/21/2003	26.12	--
11/21/2003	32.76	--
12/1/2003	32.05	--
12/1/2003	30.94	--
12/1/2003	32.13	--
12/1/2003	32.15	--
12/1/2003	31.69	--
Total	**1107**	**2852**

Notes:

1. As reported on manifest shipping records.
2. "--" Indicates that no material of this designation was shipped on this date.

Table 3
General Electric Company
Loeffel Site Environs
Area 28 Remedial Action Completion Report

Summary of Post-Construction Sampling Locations

Location ID	Depth (feet-bgs)	PCB (mg/kg)
NA-61	3.5 to 4.0	0.0048 J
NA-65	4.2 to 4.7	0.11
NA-71	7.0 to 7.5	0.056
NA-77	2.08 to 2.58	0.01 J
NA-79	2.0 to 2.5	0.043
SA-69	1.0 to 1.5	0.92
SA-85	0.5 to 1.0	0.01J
SA-90	1.5 to 2.0	0.68
SA-97	2.0 to 2.5	0.18
SB-46	4.0 to 4.5	0.036

Notes:
1. mg/kg = milligrams per kilogram
2. Samples were collected by BBLES at locations and depths chosen by the NYSDEC and analyzed by Adirondack.
3. Sample locations are located on Figure 5.
4. J = analyte detected below detection limits.

Table 4
General Electric Company
Loeffel Site Environs
Area 28 Remedial Action Completion Report

Water Treatment Sample Results

Parameters	Daily Maximum Discharge Limit[1]	Batch 1 Analytical Results (not discharged) Collected 10/6/2003	Batch 1 Analytical Results Collected 10/10/2003 (approx. 18,000 gallons, discharged 10/11/03)	Batch 2 Analytical Results (not discharged) Collected 10/28/2003	Batch 2 Analytical Results Collected 10/31/2003 (approx. 19,000 gallons, discharged 11/4/2003)	Batch 3 Analytical Results (not discharged) Collected 11/12/2003	Batch 3 Analytical Results Collected 11/14/2003 (approx. 20,000 gallons, discharged 11/17/2003)	Batch 4 Analytical Results (not discharged) Collected 12/3/2003	Batch 4 Analytical Results (not discharged) Collected 12/9/2003	Batch 4 Analytical Results Collected 12/10/2003 (approx. 7,300 gallons, discharged 12/11/2003)
Oil and grease	15 mg/L	<1.0	NS	<1.0	NS	<1.0	NS	<1.0	NS	NS
pH	6.0 to 9.0	9.7	8.5	8.4	NS	8.1	NS	8.4	NS	NS
Total suspended solids	10 mg/L	7	NS	3.5	NS	4	NS	9.5	NS	NS
PCB – Aroclor 1016	0.3 µg/L	ND(0.068)	NS	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.079)	ND(0.065)	ND(0.065)
PCB – Aroclor 1221	0.3 µg/L	ND(0.068)	NS	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.079)	ND(0.065)	ND(0.065)
PCB – Aroclor 1232	0.3 µg/L	ND(0.068)	NS	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.079)	ND(0.065)	ND(0.065)
PCB – Aroclor 1242	0.3 µg/L	ND(0.068)	NS	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.079)	ND(0.065)	ND(0.065)
PCB – Aroclor 1248	0.3 µg/L	ND(0.068)	NS	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.079)	ND(0.065)	ND(0.065)
PCB – Aroclor 1254	0.3 µg/L	ND(0.068)	NS	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.079)	ND(0.065)	ND(0.065)
PCB – Aroclor 1260	0.3 µg/L	ND(0.068)	NS	0.08	ND(0.065)	0.237	ND(0.065)	0.144	0.099	0.068

Notes:
1. According to Attachment C of RFP (BBL, 2003a).
2. pH was measured in the field.
3. NS = not sampled
4. ND = not detected (detection limit)
5. Samples were collected by SLC and analyzed by Adirondack.
6. Successive sample collections indicate batch was retreated due to previous sample results.

Table 5
General Electric Company
Loeffel Site Environs
Area 28 Remedial Action Completion Report

Equipment Wipe Sample Results

Sample ID	Sample Collection Date	Total PCB ($\mu g/100\ cm^2$)
CX160 Excavator		
Inside Bucket	12/01/03	<1
Outside Bucket	12/01/03	<1
CAT 325 Excavator		
Right Track	11/13/2003	<1
Left Track	11/13/2003	<1
Bucket-In	11/13/2003	<1
Bucket-Out	11/13/2003	<1
Dump Truck		
Box Bottom #1	10/27/03	<1
Left Front Tire #2	10/27/03	<1
Box Gate #3	10/27/03	<1
Right Rear Tire #4	10/27/03	<1
Primary Fractionation Tank		
948 Wall	12/01/03	<1
948 Bottom	12/01/03	<1
48-WS1	10/17/03	<1
48-WS2	10/17/03	<1
Bobcat		
Skid Steer #1-BL	10/2/03	<1
Skid Steer #2-BR	10/2/03	<1
Skid Steer #3-TRAC	10/2/03	<1
Secondary Fractionation Tank		
254549-Wall	12/16/03	<1
254549-Bottom	12/16/03	<1
Wall	12/17/03	<1
Floor	12/17/03	<1
Vac Truck		
Vac Truck	12/18/03	<1

Notes:

1. $\mu g/100\ cm^2$ = micrograms per 100 square centimeters

2. Samples were collected by SLC in acordance with Section 3 of the RFP (BBL, 2003a) and analyzed by Adirondack.

Figures

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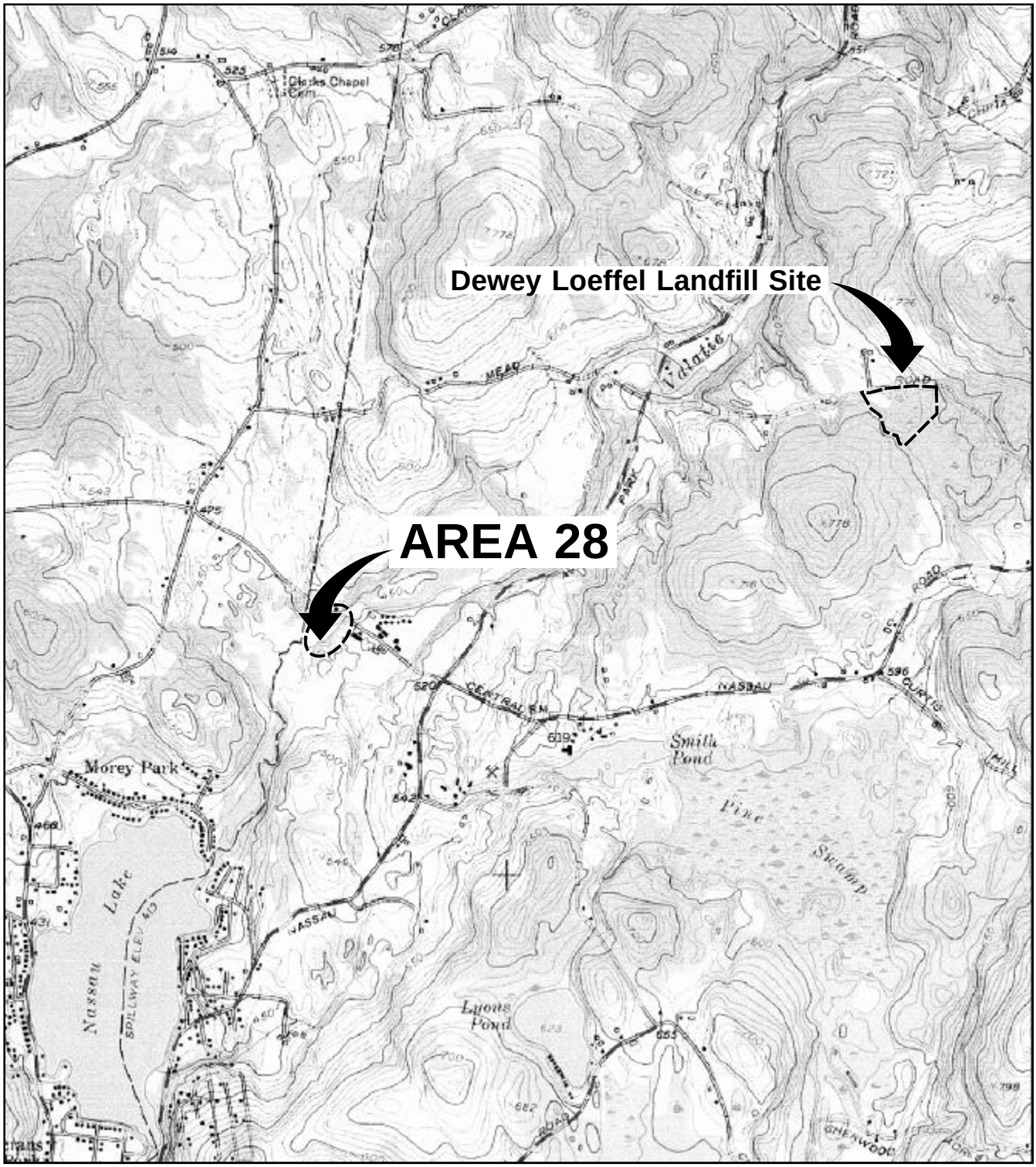
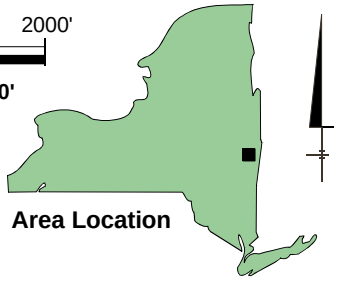


REFERENCE: Base Map Source, USGS 7.5 Min. Topo. Quad., Nassau, New York, 1953.

2000' 0 2000'

Approximate Scale: 1" = 2000'



Area Location

09/27/04 SYR-D85-KFS-KLS
C:/10073800/cdr/10073n14.cdr

GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS

AREA 28 REMEDIAL ACTION COMPLETION REPORT

SITE LOCATION MAP

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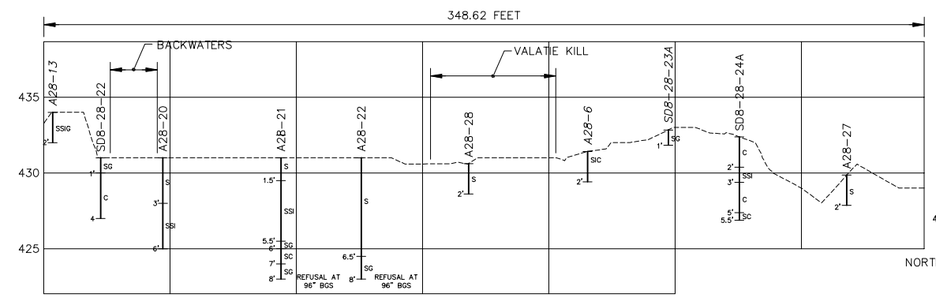
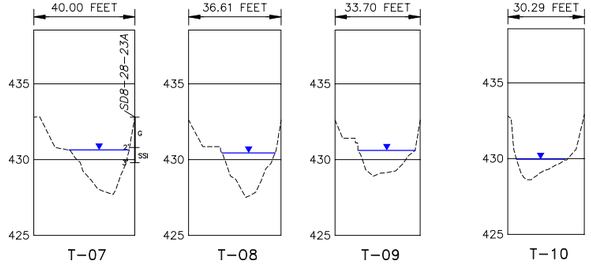
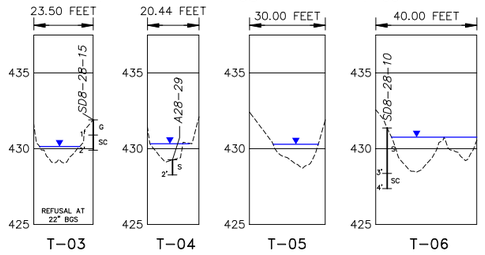
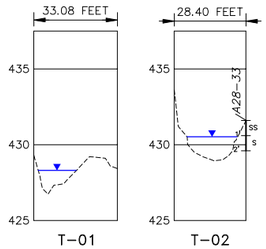
FIGURE
1



SOUTHWEST — PROFILE A — NORTH







LEGEND:

- 2003 PREDESIGN SAMPLE LOCATION
- 2000 SAMPLE LOCATION
- 1999 SAMPLE LOCATION
- 1998 SAMPLE LOCATION
- 1994 SAMPLE LOCATION
- 1993 SAMPLE LOCATION
- INTERMEDIATE ELEVATION CONTOUR
- INDEX ELEVATION CONTOUR
- EDGE OF WATER (VALATIE KILL)
- T-10 TRANSECT OR PROFILE LOCATION
- WETLAND BOUNDARY
- TOP OF WATER

LITHOLOGY ABBREVIATIONS:

G = GRAVEL
S = SAND
SI = SILT
C = CLAY
SG = SAND & GRAVEL
SSI = SAND & SILT
SC = SAND & CLAY

271.56 FEET

WEST — PROFILE B — SOUTHEAST

NOTES:

1. BASE MAP PREPARED FROM SURVEY INFORMATION GENERATED BY BBL, DATED APRIL 25, 2002.
2. CONTOUR INTERVAL IS 1 FOOT.
3. CERTAIN SAMPLE LOCATIONS ARE PROJECTED (IN ITALICS).
4. ALL TRANSECTS VIEW UPSTREAM.
5. LITHOLOGIC DESCRIPTIONS ARE GENERALIZED.
6. BGS = BELOW GROUND SURFACE.
7. ONLY LOCATIONS WITH SUBSTANTIAL PREDESIGN LITHOLOGY DATA DEPICTED (i.e., OVER 1' THICKNESS).
8. REFUSAL IN MOST LOCATIONS NOTED TO BE AT A COARSE SAND AND GRAVEL UNIT.
9. WATER LEVELS AND LOCATIONS DEPICTED ON TRANSECTS AND PROFILES ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS

AREA 28 REMEDIAL ACTION COMPLETION REPORT

PRE-REMEDIAL ACTION SITE CONDITIONS

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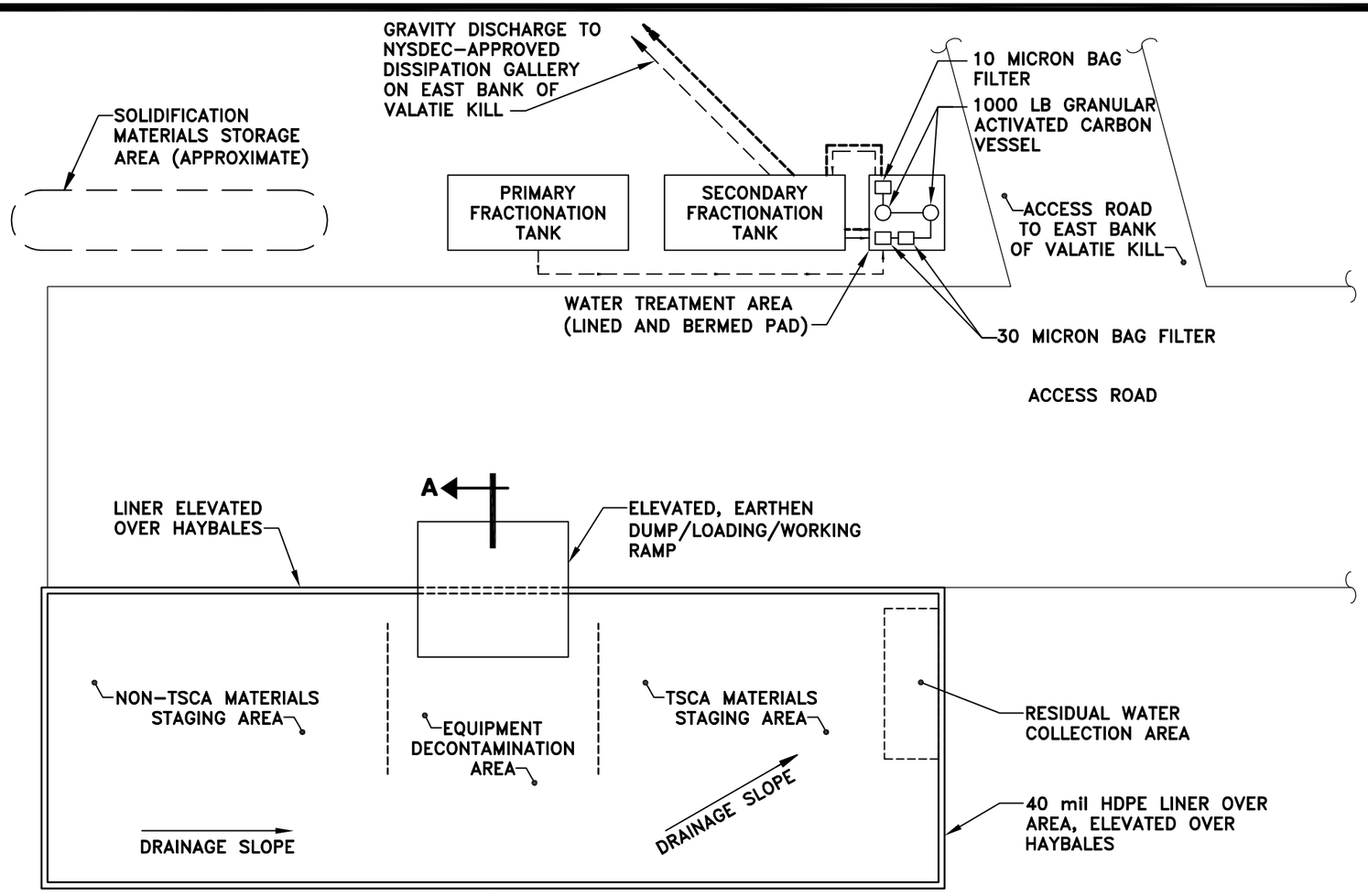
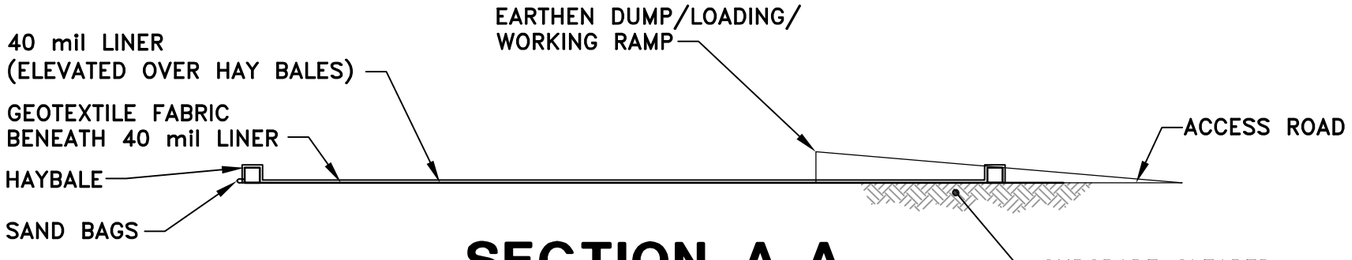
FIGURE 2

X: 10073X04.DWG
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL1
09/27/04 SYR-85-KMD DJP KLS
C/10073800/COMPLETE/10073G01.DWG



PLAN

SCALE: 1" = 40'



SECTION A-A

SCALE: 1" = 20'

APPROXIMATE NORTH

LEGEND:

—— —PRIMARY TREATMENT FLOW

----RE–TREATMENT FLOW

NOTE:

1. ALL DIMENSIONS ARE APPROXIMATE.
2. THE DUMP LOADING RAMP WAS USED AS A WORKING POINT FROM WHICH DUMPED MATERIALS WERE ORGANIZED ON THE PAD.
3. TREATED WATER IN THE SECONDARY FRACTIONATION TANK WAS RECIRCULATED AS NEEDED THROUGH THE TREATMENT SYSTEM.
4. RESIDUAL WATER WAS PUMPED, VIA A SUMP PUMP, DIRECTLY OR TRANSPORTED VIA VACUUM TRUCK TO PRIMARY FRACTIONATION TANK.

0 20' 40'
GRAPHIC SCALE

0 40' 80'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS
AREA 28 REMEDIAL ACTION COMPLETION REPORT

MATERIALS STAGING AND DEWATERING PAD

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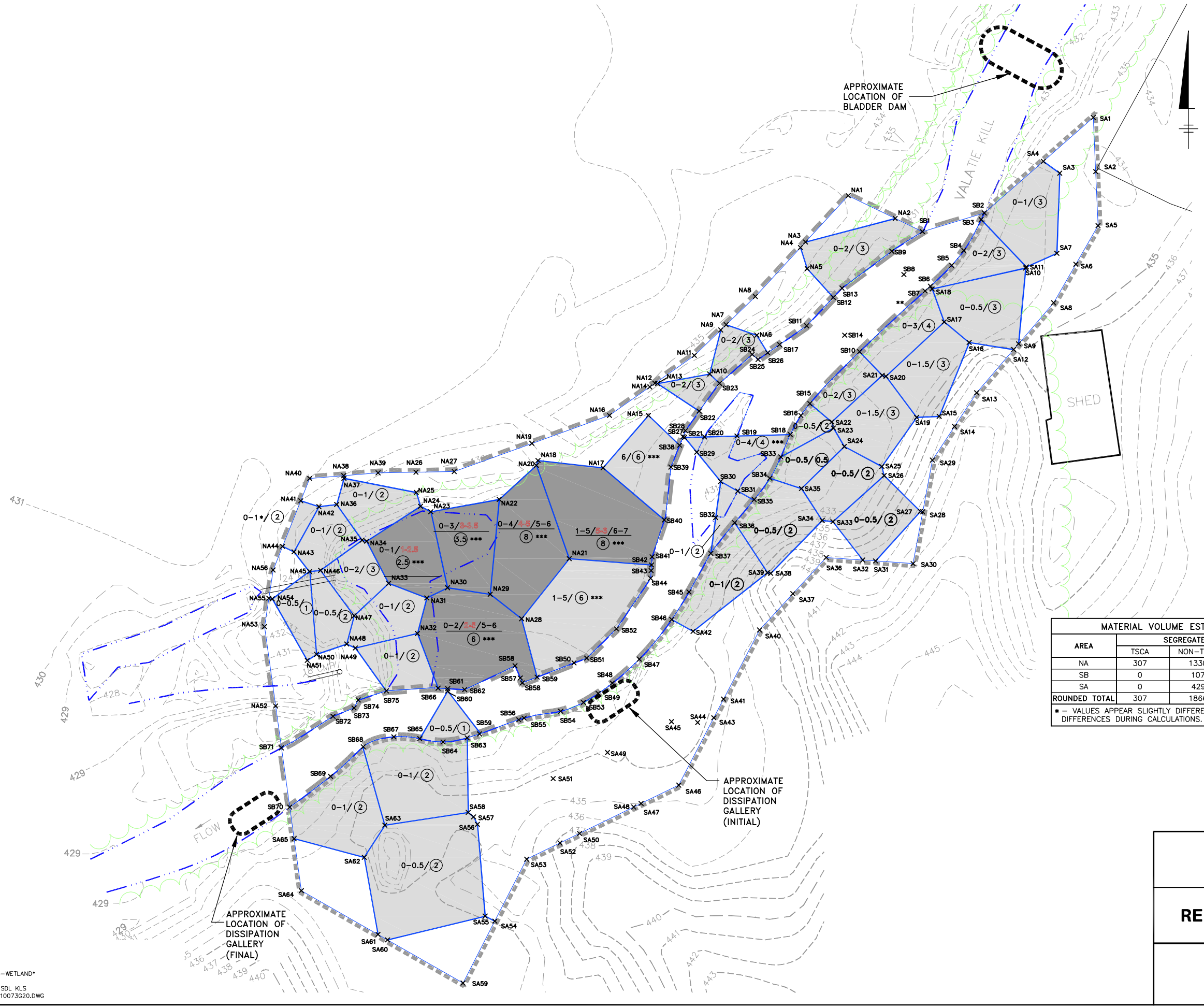
FIGURE 3

L: ON=*, OFF=REF*
P: PAGESET/PLT–BL1
09/27/04 SYR–85–NES DMJ KLS
C/10073800/COMPLETE/10073G03.DWG



NOTES:

1. BASE MAP PREPARED FROM SURVEY INFORMATION GENERATED BY BBL, DATED APRIL 25, 2002.
2. STREAM EDGES DEPICTED AS NOTED ON APRIL 25, 2002.

MATERIAL VOLUME ESTIMATE (CY-INSITU, VALUES ROUNDED)*

AREA	SEGREGATE TSCA			DO NOT SEGREGATE TSCA		
	TSCA	NON-TSCA	TOTAL	TSCA	NON-TSCA	TOTAL
NA	307	1330	1637	1054	584	1638
SB	0	107	107	0	107	107
SA	0	429	429	0	429	429
ROUNDED TOTAL	307	1866	2173	1054	1120	2174

* - VALUES APPEAR SLIGHTLY DIFFERENT FROM THOSE IN THE RFP DUE TO ROUNDING DIFFERENCES DURING CALCULATIONS.

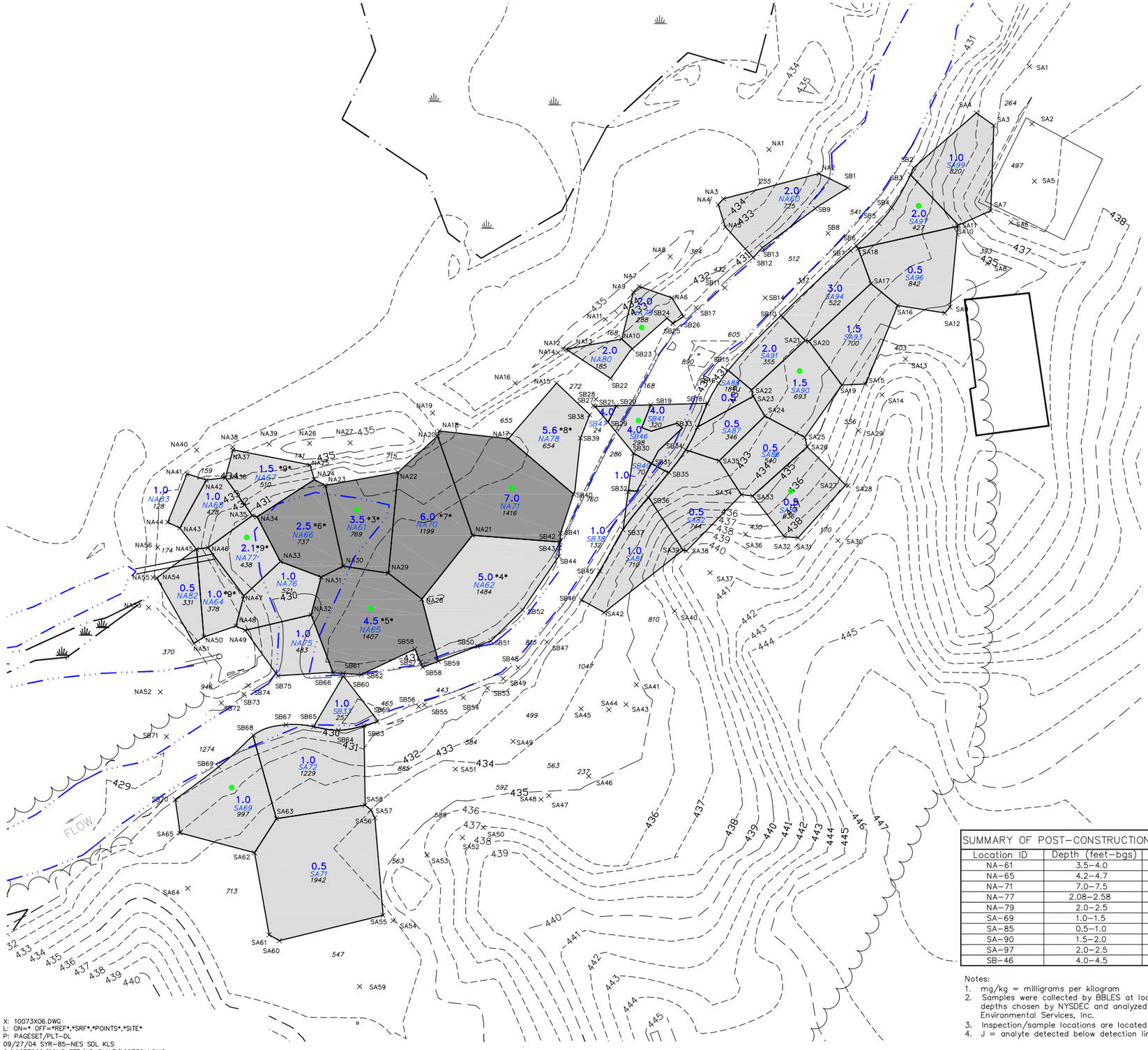
GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS
AREA 28 REMEDIAL ACTION COMPLETION REPORT

REMOVAL AREAS-AS PLANNED

BBL BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE 4

X: 10073X04.DWG
L: ON=* OFF=*REF*, |XS-WETLAND*
P: PAGESET/PLT-DL
10/01/04 SYR-85-DMJ SDL KLS
C/10073800/COMPLETE/10073G20.DWG



LEGEND:

- NON–TSCA EXCAVATION
- NON–TSCA/TSCA/EXCAVATION
- THEISSEN POLYGON BOUNDARY
- SA99 — POLYGON NAME
- 820 — POLYGON AREA
- 1.0 — DEPTH OF EXCAVATION
- *X* — SEE NOTE "X"
- ● — POST–CONSTRUCTION INSPECTION LOCATIONS

NOTES:

1. BASE MAP PREPARED FROM SURVEY INFORMATION GENERATED BY BBL, DATED APRIL 25, 2002, AND FINAL–CONDITONS–DELIVERABLE.DWG DATED 7/15/2004 BY WENDEL DUCHSCHERER SURVEY.
2. STREAM EDGES IN NON–WORKING AREAS, DEPICTED AS NOTED ON APRIL 25, 2002. SEE FIGURE 8 FOR RESTORED EDGES IN WORKING AREAS.
3. HARD–PACKED TILL ENCOUNTERED AT 3.5' BELOW GROUND SURFACE (BGS).
4. REFUSAL WAS ENCOUNTERED AT 2.7' BGS AT DELINEATION POINT SB–59 AND AT 3.2' BGS BETWEEN DELINEATION POOINTS SB–59 AND SB–50 ALONG THE SOUTHEAST SIDE OF THIS POLYGON DUE TO HARD–PACKED TILL. THE REMAINDER OF THE POLYGON WAS EXCAVATED TO 5' BGS.
5. REFUSAL WAS ENCOUNTERED AT 4.0' TO 4.5' BGS THROUGHOUT POLYGON DUE TO HARD–PACKED TILL; REFUSAL WAS ALSO ENCOUNTERED AT 2.0 BGS IN THE SOUTHWEST CORNER.
6. HARD–PACKED TILL ENCOUNTERED AT 2.5' BGS.
7. REFUSAL WAS ENCOUNTERED AT 4.7' BGS IN THE SOUTHERN HALF OF POLYGON DUE TO HARD–PACKED TILL. (A MINIMUM DEPTH OF 5.2' BGS WAS REACHED IN THE SOUTHERN HALF OF POLYGON. AFTER EXCAVATING INTO THE TILL.)
8. REFUSAL WAS ENOUNTERED AT 5.6' TO 5.8" BGS ALONG THE SOUTHEASTERN SIDE OF POLYGON (BETWEEN DELINEATION POINTS SB–39 AND SB–40) DUE TO HARD–PACKED TILL. THE REMAINDER OF THE POLYGON WAS EXCAVATED TO 6' BGS.
9. OVEREXCAVATED AS A RESULT OF TOPOGRAPHIC VARIATION IN POLYGON.

SUMMARY OF POST–CONSTRUCTION SAMPLING LOCATIONS

Location ID	Depth (feet–bgs)	PCB (mg/kg)
NA–61	3.5–4.0	0.0048 J
NA–65	4.2–4.7	0.11
NA–71	7.0–7.5	0.056
NA–77	2.08–2.58	0.01 J
NA–79	2.0–2.5	0.043
SA–69	1.0–1.5	0.92
SA–85	0.5–1.0	0.01J
SA–90	1.5–2.0	0.68
SA–97	2.0–2.5	0.18
SB–46	4.0–4.5	0.036

Notes:
1. mg/kg = milligrams per kilogram
2. Samples were collected by BBLES at locations and depths chosen by NYSDEC and analyzed by Adirondack Environmental Services, Inc.
3. Inspection/sample locations are located on Figure 5.
4. J = analyte detected below detection limits.

0 20' 40'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS

AREA 28 REMEDIAL ACTION COMPLETION REPORT

AS-BUILT REMOVAL AREAS - EXTENT OF EXCAVATION

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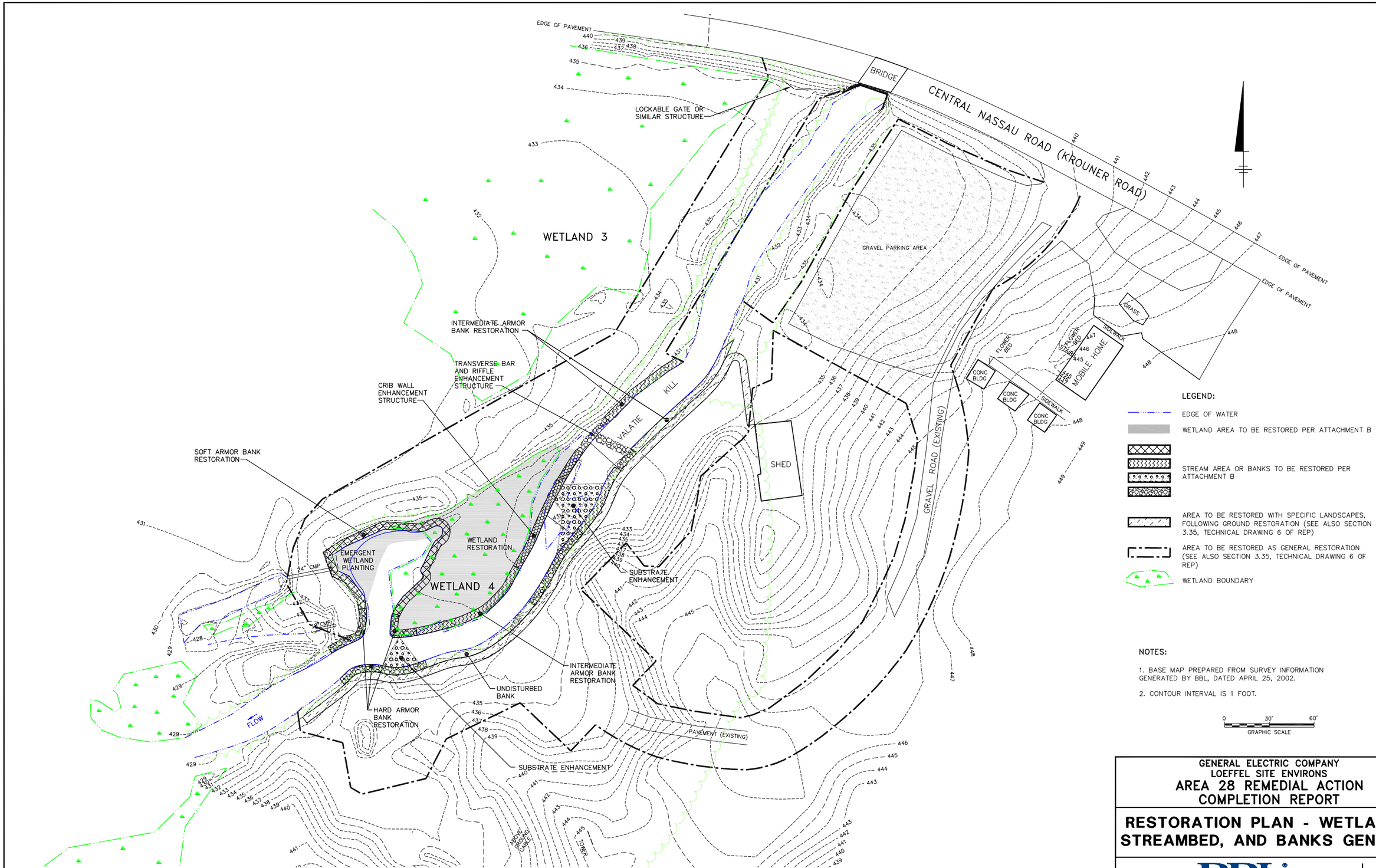
FIGURE 5

X: 10073X06.DWG
L: ON=* OFF=*REF*,*SRF*,*POINTS*,*SITE*
P: PAGESET/PLT–DL
09/27/04 SYR–85–NES SDL KLS
C/10073800/COMPLETE/AS–BUILT/10073G11.DWG



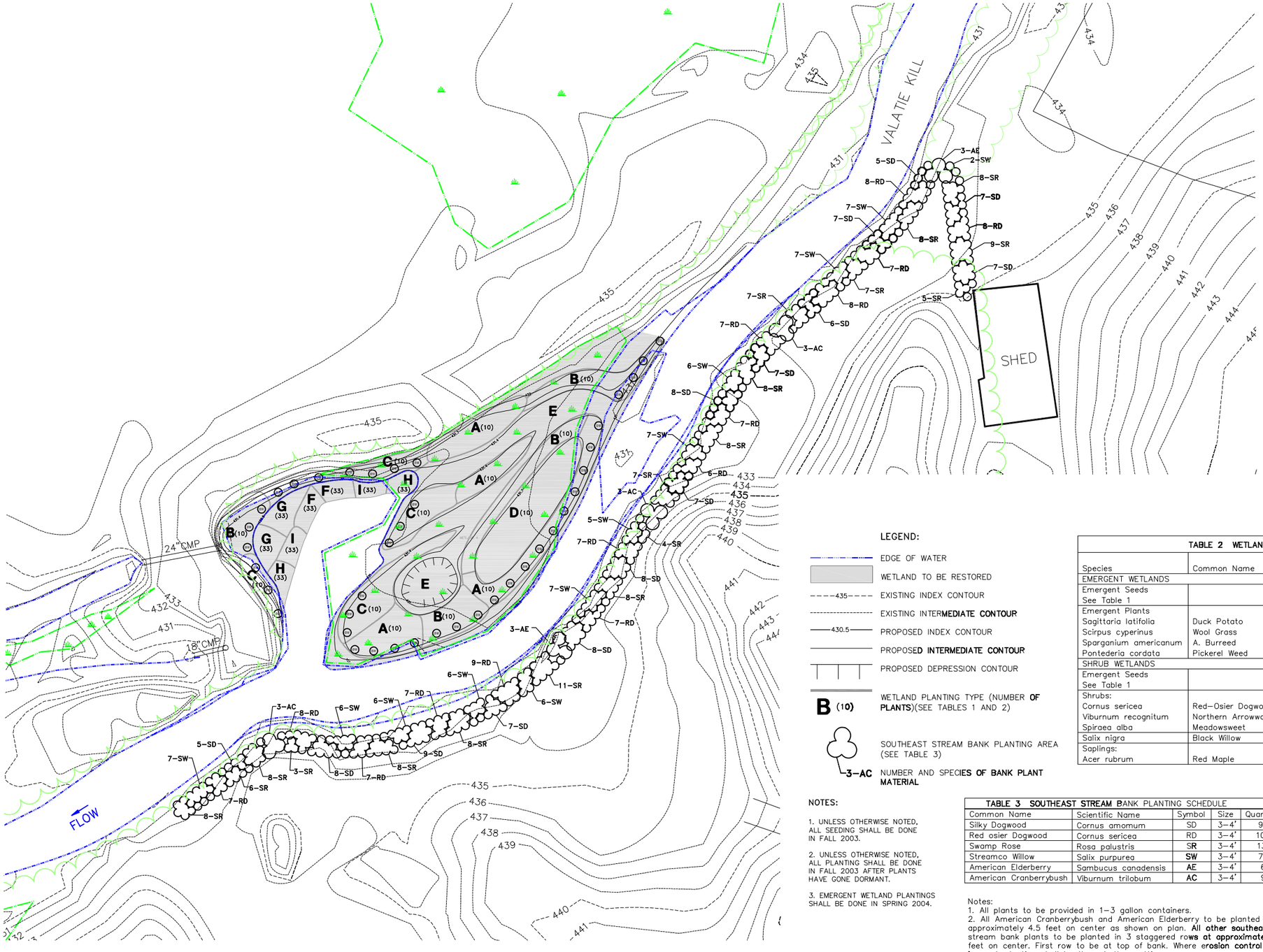
GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS
AREA 28 REMEDIAL ACTION COMPLETION REPORT

RESTORATION PLAN - WETLANDS, STREAMBED, AND BANKS GENERAL

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE 6

X: 10073X07.DWG
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL1
09/27/04 SYR-85-LAF DJM KLS
C/10073800/COMPLETE/ASBUILT/10073G07.DWG



LEGEND:

- EDGE OF WATER
- WETLAND TO BE RESTORED
- 435 EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- 430.5 PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED DEPRESSION CONTOUR
- B (10) WETLAND PLANTING TYPE (NUMBER OF PLANTS)(SEE TABLES 1 AND 2)
- 3-AC SOUTHEAST STREAM BANK PLANTING AREA (SEE TABLE 3) NUMBER AND SPECIES OF BANK PLANT MATERIAL

NOTES:

1. UNLESS OTHERWISE NOTED, ALL SEEDING SHALL BE DONE IN FALL 2003.
2. UNLESS OTHERWISE NOTED, ALL PLANTING SHALL BE DONE IN FALL 2003 AFTER PLANTS HAVE GONE DORMANT.
3. EMERGENT WETLAND PLANTINGS SHALL BE DONE IN SPRING 2004.

TABLE 1 EMERGENT WETLAND SEED MIX

Common Name	Scientific Name	Percent by Number of Seeds
Green Bulrush	Scirpus atrovirens	28.2
Soft Rush	Juncus effusus	13.1
Monkey Flower	Mimulus ringens	12.0
Fox Sedge	Carex vulpinoidea	8.4
Ditch Stone Crop	Penthorum sedoides	7.8
Reed Meadowgrass	Glyceria grandis	6.7
Wool Grass	Scirpus cyperinus	5.2
Blue Vervain	Verbena hastata	4.2
Boneset	Eupatorium perfoliatum	2.1
Rice Cut Grass	Leersia oryzoides	1.6
Common Sneezeweed	Helenium autumnale	1.5
Canada Mannagrass	Glyceria canadensis	1.4
Joe Pye Weed	Eupatorium maculatum	0.9
New England Aster	Aster novae-angliae	0.7
Water Plantain	Alisma plantago-aquatica	0.5
Grassleaf Goldenrod	Euthamia graminifolia	0.5
Wrinkled Goldenrod	Solidago rugosa	0.5
Straw Colored Flatsedge	Cyperus strigosus	0.5
Purple Stemmed Aster	Aster puniceus	0.4
Buttonbush	Cephalanthus occidentalis	0.4
Soft Stem Bulrush	Scirpus tabernaemontanii	0.4
White Aster	Aster umbellatus	0.3
Bearded Sedge	Carex comosa	0.3
Fringed Sedge	Carex crinita	0.3
Giant Goldenrod	Solidago gigantea	0.2
Deertongue	Panicum clandestinum	0.2
Nodding Beggar-Ticks	Bidens cernua	0.2
Water Parsnip	Sium suave	0.2
Small Fruited Bulrush	Scirpus microcarpus	0.2
Water Hemlock	Cicuta maculata	0.2
Wild Rye	Elymus canadensis	
Devil's Beggar-Ticks	Bidens frondosa	
Purple-Stem Angelica	Angelica atropurpurea	
Water Dock	Rumex verticillatus	
Shallow sedge	Carex lurida	0.1
Pennsylvania Smartweed	Polygonum pennsylvanicum	
Swamp Milkweed	Asclepias incarnata	
Riverbank Wild Rye	Elymus riparius	
Hop Sedge	Carex lupulina	
Blue Flag	Iris versicolor	

Notes:
1. Similar species can be substituted based on seed availability at the approval of the Engineer.
2. Seed should be ordered as soon as possible so supplier can obtain the required quantities in time for seeding.

TABLE 2 WETLAND RESTORATION PLANTING SCHEDULE

Species	Common Name	Plant Type	Size	Symbol	Number to be planted	Spacing
EMERGENT WETLANDS						
Emergent Seeds See Table 1		Seed	NA	E	3.2 lbs.	Random
Emergent Plants						
Sagittaria latifolia	Duck Potato	Bare root or peat pot	NA	F	66 (33 per location)	Clumps of same species at least 2-ft apart, to be planted in spring season.
Scirpus cyperinus	Wool Grass			G	66 (33 per location)	
Sparganium americanum	A. Burreed			H	66 (33 per location)	
Pontederia cordata	Pickerel Weed			I	66 (33 per location)	
SHRUB WETLANDS						
Emergent Seeds See Table 1		Seed	NA	All areas below	1.6 lbs.	Random throughout shrub wetland
Shrubs:						Random clumps of same species at least 5-ft apart.
Cornus sericea	Red-Osier Dogwood	Container	24"- 36"	A	40 (10 per location)	
Viburnum recognitum	Northern Arrowwood			B	40 (10 per location)	
Spiraea alba	Meadowsweet			C	40 (10 per location)	
Salix nigra	Black Willow	Cuttings	20"- 26"	(H)	40	
Saplings:						
Acer rubrum	Red Maple	Container	18"- 48"	D	10	

TABLE 3 SOUTHEAST STREAM BANK PLANTING SCHEDULE

Common Name	Scientific Name	Symbol	Size	Quantity
Silky Dogwood	Cornus amomum	SD	3-4'	99
Red osier Dogwood	Cornus sericea	RD	3-4'	103
Swamp Rose	Rosa palustris	SR	3-4'	131
Streamco Willow	Salix purpurea	SW	3-4'	72
American Elderberry	Sambucus canadensis	AE	3-4'	6
American Cranberrybush	Viburnum trilobum	AC	3-4'	9

Notes:
1. All plants to be provided in 1-3 gallon containers.
2. All American Cranberrybush and American Elderberry to be planted approximately 4.5 feet on center as shown on plan. All other southeast stream bank plants to be planted in 3 staggered rows at approximately 3 feet on center. First row to be at top of bank. Where erosion control mat is used, planting shall be through the matting.

0 20' 40'
GRAPHIC SCALE

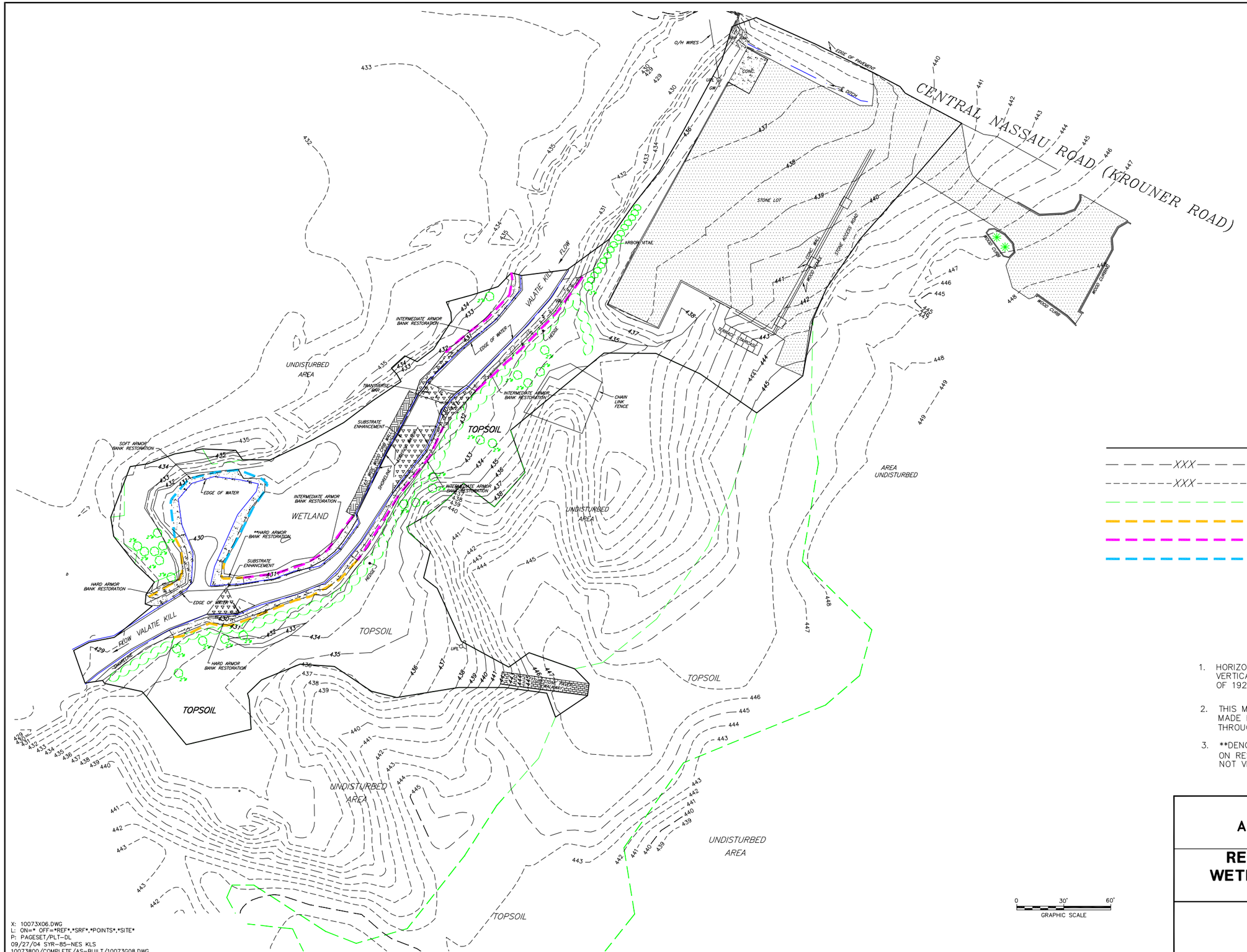
GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS
AREA 18 REMEDIAL ACTION
COMPLETION REPORT

PLANTING PLAN - WETLANDS AND PORTION OF STREAM BANK

BBL BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE 7

X: 10073X07.DWG
L: ON=*, OFF=REF*,P=*
P: PAGESET/CDL
09/27/04 SYR-54-NES KMD KLS
C/10073800/COMPLETE/ASBUILT/10073G10.DWG



LEGEND

- = ARBOR VITAE
- = BUSH (3"ø–TYPICAL)
- = DIAMETER
- = DECIDUOUS TREE
- = CONIFEROUS TREE/BUSH
- UPL = UTILITY POLE WITH LIGHT
- = LIMITS OF AS–BUILT SURVEY
- = MAJOR CONTOUR (5' INTERVAL)
- = MINOR CONTOUR (1' INTERVAL)
- = EDGE OF TOPSOIL
- = LIMITS OF HARD ARMOR
- = LIMITS OF INTERMEDIATE ARMOR
- = LIMITS OF SOFT ARMOR

NOTES:

1. HORIZONTAL DATUM: SITE SPECIFIC
   VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)
2. THIS MAP WAS CREATED USING FIELD MEASUREMENTS MADE BY WENDEL DUCHSCHERER IN AUGUST 2003 THROUGH JUNE 2004.
3. **DENOTES HARD ARMOR PLACED IN FIELD AS SHOWN ON RESTORATION PLAN MADE BY BBL (6/2003) BUT NOT VISIBLE AT TIME OF FINAL SITE CONDITIONS.

0 30' 60'
GRAPHIC SCALE

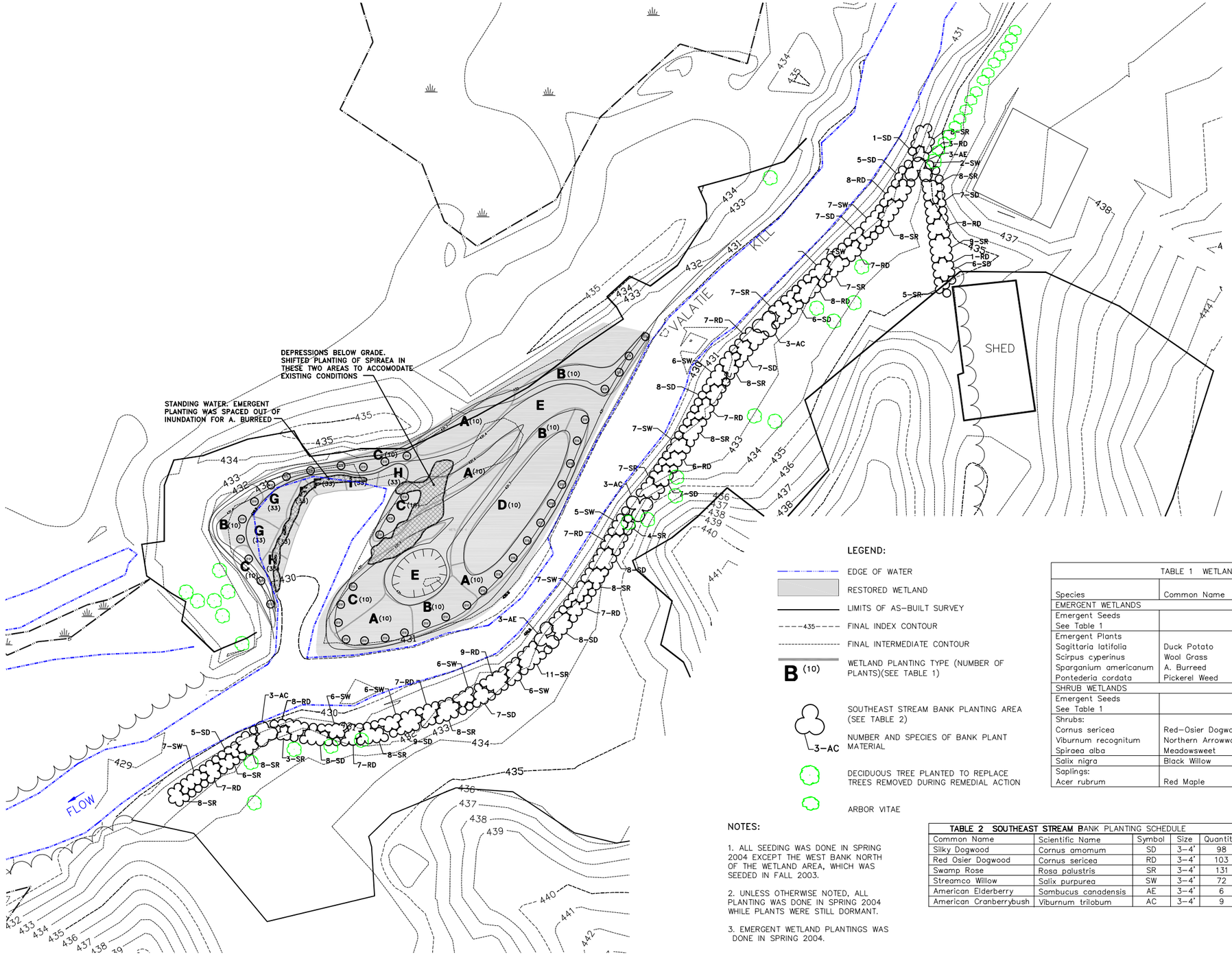
X: 10073X06.DWG
L: ON=* OFF=*REF*,*SRF*,*POINTS*,*SITE*
P: PAGESET/PLT-DL
09/27/04 SYR-85-NES KLS
10073800/COMPLETE/AS-BUILT/10073G08.DWG

GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS
AREA 28 REMEDIAL ACTION COMPLETION REPORT

RESTORATION AS-BUILT - WETLANDS, STREAMBED, AND BANKS GENERAL

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE 8



LEGEND:

- EDGE OF WATER
- RESTORED WETLAND
- LIMITS OF AS-BUILT SURVEY
- ----435---- FINAL INDEX CONTOUR
- ---------- FINAL INTERMEDIATE CONTOUR
- B (10) WETLAND PLANTING TYPE (NUMBER OF PLANTS)(SEE TABLE 1)
- 3-AC SOUTHEAST STREAM BANK PLANTING AREA (SEE TABLE 2)
- NUMBER AND SPECIES OF BANK PLANT MATERIAL
- DECIDUOUS TREE PLANTED TO REPLACE TREES REMOVED DURING REMEDIAL ACTION
- ARBOR VITAE

TABLE 1 WETLAND RESTORATION PLANTING SCHEDULE

Species	Common Name	Plant Type	Size	Symbol	Number to be planted	Spacing
EMERGENT WETLANDS						
Emergent Seeds See Table 1		Seed	NA	E	3.2 lbs.	Random
Emergent Plants						
Sagittaria latifolia	Duck Potato	Bare root or peat pot	NA	F	66 (33 per location)	Clumps of same species at least 2-ft apart, to be planted in spring season.
Scirpus cyperinus	Wool Grass			G	66 (33 per location)	
Sparganium americanum	A. Burreed			H	66 (33 per location)	
Pontederia cordata	Pickerel Weed			I	66 (33 per location)	
SHRUB WETLANDS						
Emergent Seeds See Table 1		Seed	NA	All areas below	1.6 lbs.	Random throughout shrub wetland
Shrubs:						Random clumps of same species at least 5-ft apart.
Cornus sericea	Red-Osier Dogwood	Container	24"- 36"	A	40 (10 per location)	
Viburnum recognitum	Northern Arrowwood			B	40 (10 per location)	
Spiraea alba	Meadowsweet			C	40 (10 per location)	
Salix nigra	Black Willow	Cuttings	20"- 26"	(SW)	40	
Saplings:						
Acer rubrum	Red Maple	Container	18"- 48"	D	10	

NOTES:

1. ALL SEEDING WAS DONE IN SPRING 2004 EXCEPT THE WEST BANK NORTH OF THE WETLAND AREA, WHICH WAS SEEDED IN FALL 2003.
2. UNLESS OTHERWISE NOTED, ALL PLANTING WAS DONE IN SPRING 2004 WHILE PLANTS WERE STILL DORMANT.
3. EMERGENT WETLAND PLANTINGS WAS DONE IN SPRING 2004.

TABLE 2 SOUTHEAST STREAM BANK PLANTING SCHEDULE

Common Name	Scientific Name	Symbol	Size	Quantity
Silky Dogwood	Cornus amomum	SD	3-4'	98
Red Osier Dogwood	Cornus sericea	RD	3-4'	103
Swamp Rose	Rosa palustris	SR	3-4'	131
Streamco Willow	Salix purpurea	SW	3-4'	72
American Elderberry	Sambucus canadensis	AE	3-4'	6
American Cranberrybush	Viburnum trilobum	AC	3-4'	9

0 20' 40'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS
AREA 28 REMEDIAL ACTION COMPLETION REPORT

PLANTING AS-BUILT - WETLANDS AND PORTION OF STREAM BANK

BBL BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE 9

X: 10073X08.DWG
L: ON=* OFF=*REF*, *TXT-30
P: PAGESET/PLT-DL
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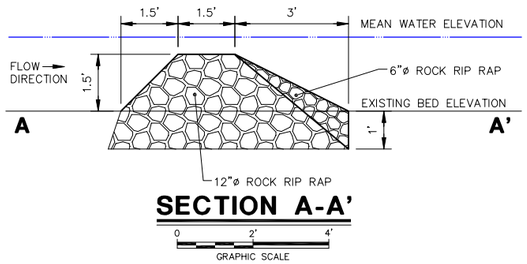
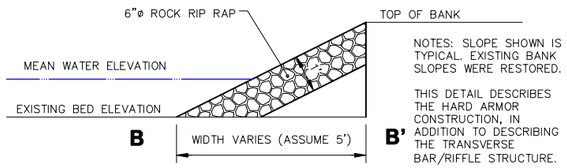
C/10073800/COMPLETE/ASBUILT/10073G09.DWG



SECTION A-A'

0 2' 4'

GRAPHIC SCALE



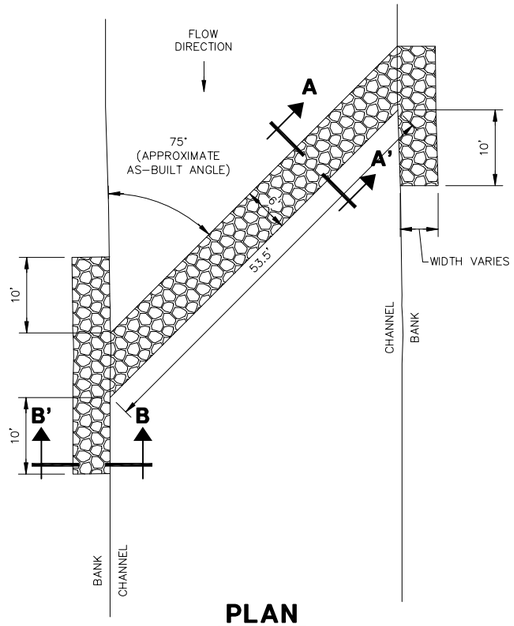
NOTES: SLOPE SHOWN IS TYPICAL. EXISTING BANK SLOPES WERE RESTORED.

THIS DETAIL DESCRIBES THE HARD ARMOR CONSTRUCTION, IN ADDITION TO DESCRIBING THE TRANSVERSE BAR/RIFFLE STRUCTURE.

SECTION B-B'

0 2' 4'

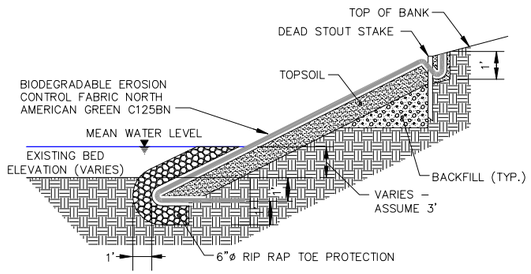
GRAPHIC SCALE



PLAN

NOT TO SCALE

TRANSVERSE BAR/RIFFLE DETAIL

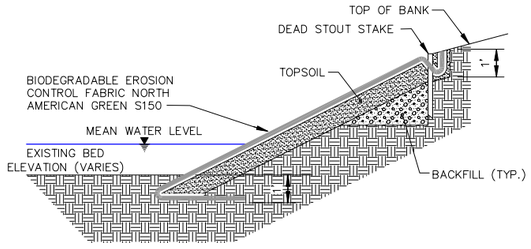


NOTES:

1. APPLICATION LOCATIONS PRESENTED ON FIGURE 6.
2. CROSS-SECTION GRADE DEPICTED IS TYPICAL,

INTERMEDIATE ARMOR
TYPICAL BANK CROSS-SECTION

NOT TO SCALE

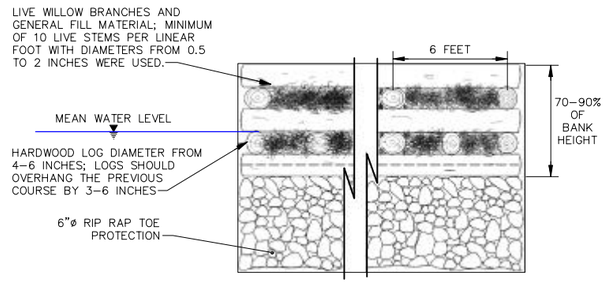


NOTES:

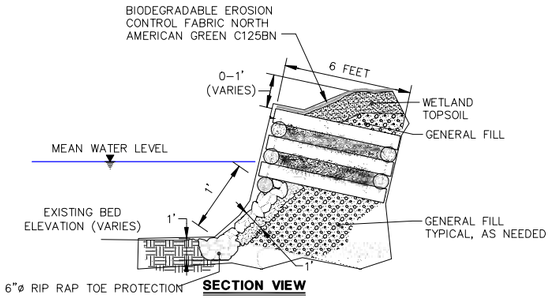
1. APPLICATION LOCATIONS PRESENTED ON FIGURE 6.
2. CROSS-SECTION GRADE DEPICTED IS TYPICAL,

SOFT ARMOR
TYPICAL BANK CROSS-SECTION

NOT TO SCALE



FRONT VIEW



SECTION VIEW

CRIB WALL DESIGN SPECIFICATION

NOT TO SCALE

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P: PAGESET/PLT-DL1
09/27/04 SYR-85-LAF DMJ KLS
C/10073800/COMPLETE/ASBUILT/10073G04.DWG

GENERAL ELECTRIC COMPANY
LOEFFEL SITE ENVIRONS
AREA 28 REMEDIAL ACTION COMPLETION REPORT

BANK ARMOR, CRIB WALL, AND TRANSVERSE BAR/RIFFLE AS-BUILT DETAILS

BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE
10

Appendix A

Project Correspondence

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Central Remedial Action, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • FAX: (518) 402-9020
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

NOV 20 2002

ORIGINAL
RECEIVED-ALBANY

NOV 21 2002

GE CORPORATE ENVIRONMENTAL...

Mr. Edward K. LaPoint, P.E.
General Electric Company
GE Corporate Environmental Programs
320 Great Oaks Office Park, Suite 323
Albany, NY 12203

Dear Mr. LaPoint:

Re: Comments to GE Area 28 Remedial Action Work Plan
July 2002 Loeffel Site Environs (Site ID #442006)

The State has completed review of the above-referenced document. Overall, the State agrees with the general approach presented in the work plan, however, clarification and/or modification is needed to address the following:

- Page 3,Work Plan, Area 28-Description. A new paragraph reflecting the presence of beavers and dam in Area 28 is needed. Protocol to remove/relocate the beavers is required. Figure 2 needs revision to reflect impounded water.

- Page 4, Work Plan, Description of work activities. As previously discussed, the State will require post-construction confirmation sampling an Area 28. The confirmation sampling effort should follow the established protocol used for the T11A remedial action. Samples will be collected by State representatives in the presence of GE's contractor. Samples shall be analyzed by an approved laboratory with deliverables to the State at GE's expense. Removal areas that are restored and/or enhanced prior to confirmation of the removal adequacy will be done at GE's risk subject to further removal efforts if appropriate. Sediment removal in Area 28 should be targeted toward 1 ppm post-excavation PCB concentration. Removal efforts shall continue until confirmation samples are complaint.

- Page 6, Work Plan, Air monitoring. Realtime air monitoring is required.

- Page 6. Work Plan, Site Restoration. GE will, in the RFP, require the contractor(s) to provide guarantee for the long-term quality of the work.

Specifically, but not limited to erosion of the stream bed including any stabilized areas and quality of vegetative growth.

- Page 7. Work Plan, RA Completion Report. A NYS Professional Engineer must certify that all construction was performed in accordance with the ROD (January 2001) and the plans and specifications.

- Page 4-2, Construction Quality Assurance Plan, 4.1.3 Topsoil, last paragraph. Delete "unless otherwise approved by GE."

- Page 6-1, Health and Safety Plan, 6. Air Monitoring, 6.1 Air Monitoring, 6.2 Community Air Monitoring Program general. The DEC TAGM 4031 and the DOH generic Community Air Monitoring Plan (CAMP) are appropriately referenced, however, Table 8 and some statements in the text are inconsistent with the requirements of these documents. Specifically, monitoring for particulates must be continuous during intrusive activities. The text and the table indicate hourly. Also action levels and action to be taken in the event of an exceedence are not correct. Since the HASP submitted by the contractor will be the primary guidance during site operations, these inconsistencies should be noted and changes made in that document.

- As discussed and employed for the T11A remedial program, whole water stream quality monitoring up and down gradient of the Area 28 is required.

Should you have any questions regarding the above comments, please contact me at 402-9774.

Sincerely,

James N. Ludlam, P.E.
Project Manager
Bureau of Central Remedial Action
Division of Environmental Remediation

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Transmitted Via Federal Express

January 9, 2003

Mr. James N. Ludlam, P.E.
New York State Department of
Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233-7016

Re: Area 28 Remedial Action Work Plan and Proposed Schedule
Response to NYSDEC Comments of November 20, 2002
Loeffel Site Environs

Dear Mr. Ludlam:

As we discussed during our meeting on January 2, 2003, Blasland, Bouck & Lee, Inc. is submitting this letter on behalf of the General Electric Company (GE) in response to the New York State Department of Environmental Conservation's (NYSDEC's) Area 28 comment letter. This response letter is intended to:

- amend the *Area 28 Remedial Action Work Plan* (RAWP) by addressing the NYSDEC's comments and providing a proposed schedule for implementation (Attachment A).

Regarding the NYSDEC's comments, GE is offering the following responses:

Comment 1

Page 3, Work Plan, Area 28 – Description. A new paragraph reflecting the presence of beavers and dam in Area 28 is needed. Protocol to remove/relocate the beavers is required. Figure 2 needs revision to reflect the impounded water.

6723 Towpath Road • P.O. Box 66 • Syracuse, NY 13214-0066
Tel (315) 446-9120 • Fax (315) 449-0017 • www.bbl-inc.com • Offices Nationwide

Response 1

GE will obtain a surveyed elevation of the impounded water level for future use. Since the water levels in Area 28 will be returned to pre-dam conditions (i.e., those levels currently shown on Figure 2), no revisions to that figure are needed.

GE will discuss options with adjacent landowner(s) to remove the existing beaver dam. These activities will be conducted commensurate with applicable NYSDEC regulations.

Comment 2

Page 4, Work Plan, Description of work activities. As previously discussed, the State will require post-construction confirmatory sampling an [sic] *Area 28. The confirmation sampling effort should follow the established protocol used for the T11A remedial action. Samples will be collected by State representatives in the presence of GE's contractor. Samples shall be analyzed by an approved laboratory with deliverables to the State at GE's expense. Removal areas that are restored and or enhanced prior to confirmation of the removal adequacy will be done at GE's risk subject to further removal efforts if appropriate. Sediment removal in Area 28 should be targeted toward 1 ppm post-excavation PCB concentration. Removal efforts shall continue until confirmation samples are compliant.*

Response 2

GE will collect, as presented in the Area 28 RAWP, a minimum of 143 predesign samples from 49 locations to determine removal areas. These sample data will result in creation of removal polygons similar to those used during the Mead Road Pond Interim Remedial Measure (IRM) conducted in 2001. As discussed during the meeting on January 2, 2003, it was agreed that the post-construction confirmatory sampling protocol used for the Mead Road Pond IRM will be followed for the Area 28 remedial action.

Comment 3

Page 6, Work Plan, Air Monitoring. Realtime air monitoring is required.

Response 3

Air monitoring will be conducted in accordance with NYSDEC's Technical and Administrative Guidance Memorandum #4031 and New York State Department of Health's Generic Community Air Monitoring Program. Air monitoring will not be conducted during periods of precipitation.

Comment 4

Page 6, Work Plan, Site Restoration. GE will, in the RFP, require the contractor(s) to provide guarantee for the long-term quality of the work. Specifically, but not limited to erosion of the stream bed including any stabilized areas and quality of vegetative growth.

Response 4

GE will require a minimum one year warranty on all work. Warranty for parts of work regulated by the United States Army Corps of Engineers (USACE) (i.e., wetland and stream bed/banks mitigation/restoration) will be commensurate with applicable regulations/permits.

Comment 5

Page 6-1, Health and Safety Plan, 6. Air Monitoring, 6.1 Air Monitoring, 6.2 Community Air Monitoring Program, general. The DEC TAGM 4031 and the DOH generic Community Air Monitoring Plan (CAMP) are appropriately referenced, however, Table 8 and some statements in the text are inconsistent with the requirements of these documents. Specifically, monitoring for particulates must be continuous during intrusive activities. The text and the table indicate hourly. Also action levels and action to be taken in the event of an exceedance are not correct. Since the HASP submitted by the contractor will be the primary guidance during site operations, these inconsistencies should be noted and changes made in that document.

Response 5

GE will include these modifications in the pertinent sections of the Remedial Design Documents.

Comment 6

As discussed and employed for the T11A remedial program, whole water stream quality monitoring up and down gradient of the Area 28 is required.

Response 6

GE will conduct baseflow and storm event sampling before and after the Area 28 remedial action similar to the baseflow and storm event sampling conducted and to be conducted in relation to the T11A remedial action (i.e., per Section 2.2.2 of the July 2002 Long-Term Monitoring Plan). Samples will be collected immediately upstream and downstream of Area 28. It is anticipated that baseflow sampling will be conducted in the summers of 2003 and 2004. Storm sampling will target storm events in the springs of 2003 and 2004.

General Comments Regarding Schedule for OU-3 Remedial Actions

GE understands this correspondence and subsequent submittal of the Remedial Design Documents addresses the need to revise the previously submitted Area 28 RAWP. GE looks forward to working with the NYSDEC to complete the Area 28 remedy in the fall of 2003.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

Christopher R. Torell
Sr. Project Engineer II

CRT/tld

cc: Michael Komoroske, P.E., NYSDEC
Kevin Farrar, NYSDEC
John Sheehan, NYSDOH
Michael S. Elder, Esq., General Electric Company
Edward K. LaPoint, P.E., General Electric Company

Attachment A

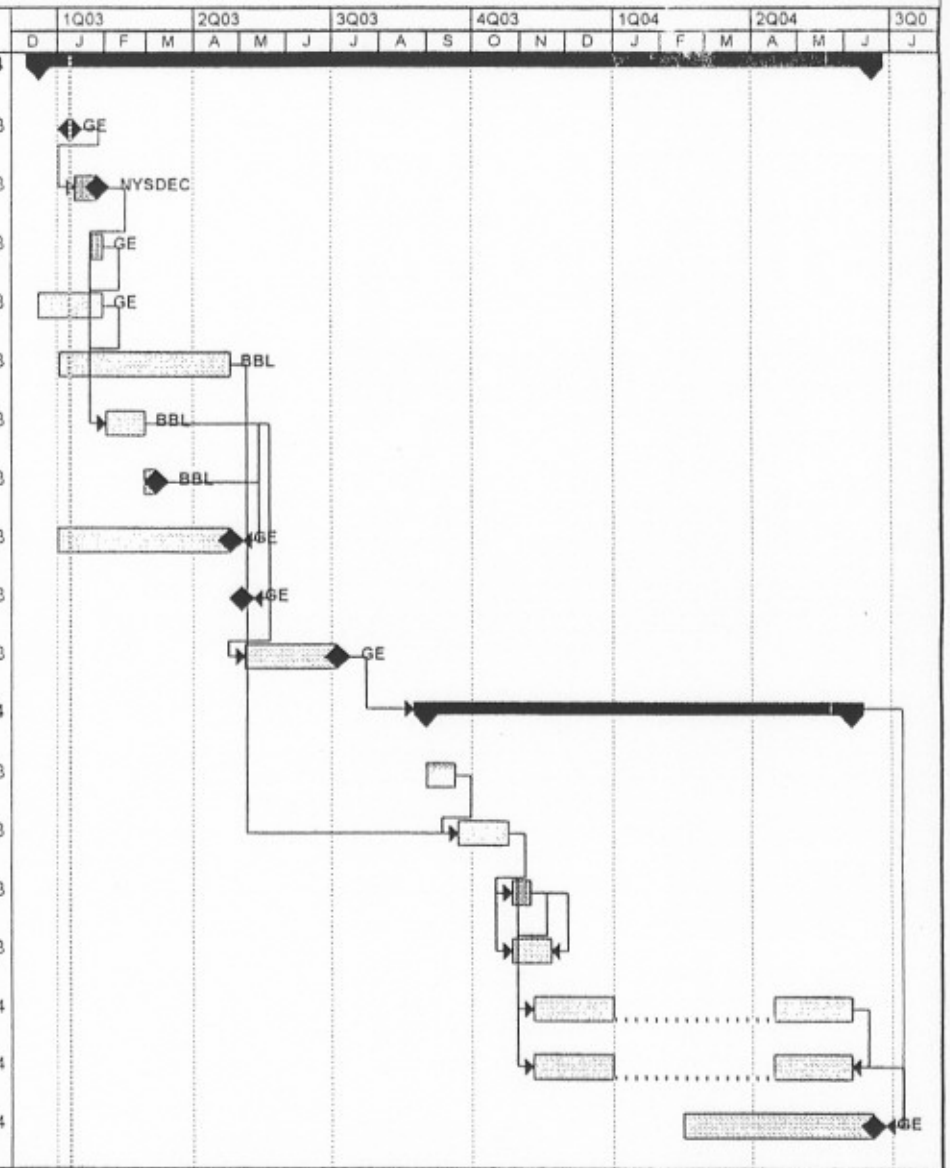
BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

CONFIDENTIAL SETTLEMENT COMMUNICATION
SUBMITTED FOR SETTLEMENT PURPOSES ONLY WITHOUT PREJUDICE

Attachment A
General Electric Company
Loeffel Site Environs
Area 28 Remedial Action

Project Schedule

ID	Task Name	Duration	Start	Finish
1	**Area 28 Remedy**	391 days	Fri 12/20/02	Fri 6/18/04
2	Submit Response Letter to NYSDEC Area 28 RAWP Comments	1 day	Fri 1/10/03	Fri 1/10/03
3	NYSDEC Review of Response Letter and Approval of RAWP	11 days	Mon 1/13/03	Mon 1/27/03
4	Beaver Dam-Related Activities	6 days	Fri 1/24/03	Fri 1/31/03
5	Property Access Agreement Discussions With Property Owners	31 days	Fri 12/20/02	Fri 1/31/03
6	USACE Permit Process	81 days	Fri 1/3/03	Fri 4/25/03
7	Predesign Sampling and Analysis	20 days	Mon 2/3/03	Fri 2/28/03
8	Predesign Sampling Results Reporting	6 days	Fri 2/28/03	Fri 3/7/03
9	Remedy Design and Request for Proposal Submittal to NYSDEC	82 days	Thu 1/2/03	Fri 4/25/03
10	Remedy Design and Request for Proposal (RFP) - PreBid	1 day	Fri 5/2/03	Fri 5/2/03
11	Select/Award Remedy Contract	45 days	Mon 5/5/03	Fri 7/4/03
12	**Removal and Restoration (tasks and durations estimated and dependent on RFP and Contractor bid)**	200 days	Mon 9/1/03	Fri 6/4/04
13	Mobilization	15 days	Mon 9/1/03	Fri 9/19/03
14	Removal, Western Portion Area 28 (estimated at this time to be 1,500 cubic yards)	25 days	Mon 9/22/03	Fri 10/24/03
15	Removal, Eastern Portion Area 28 (estimated at this time to be 1,000 cubic yards)	10 days	Mon 10/27/03	Fri 11/7/03
16	Restoration - Stream and Wetlands	20 days	Mon 10/27/03	Fri 11/21/03
17	Restoration - General (assumes some planting in spring 2004)	75 days	Mon 11/10/03	Fri 6/4/04
18	Demobilization	75 days	Mon 11/10/03	Fri 6/4/04
19	Completion Report Preparation and Submittal	90 days	Mon 2/16/04	Fri 6/18/04



Project: 01831680
Date: Thu 1/9/03

Task
Split
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Split
Rolled Up Milestone
Rolled Up Progress
External Tasks
Project Summary
External Milestone
External Milestone
Deadline

v:\loeffel site environs confidential\correspondence\01831680

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Central Remedial Action, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9768 • **FAX:** (518) 402-9020
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

February 20, 2003

Post-it® Fax Note 7671 | Date 2/21/03 | # of pages ▶ 1
To Ed LaPoint | From Tim Ludlam
Co./Dept. | Co.
Phone # | Phone #
Fax # | Fax #

Mr. Edward K. LaPoint, P.E.
General Electric Company
GE Corporate Environmental Programs
323 Great Oaks Office Park, Suite 323
Albany, NY 12203

RE: Area 28 Remedial Action Work Plan
July 2002, Loeffel Site Environs
Site I.D. # 442006

Dear Mr. LaPoint:

The above referenced work plan as amended by the BBL responses to the State (January 9, 2003 and February 18, 2003) is hereby approved.

It is the Department's understanding that GE will coordinate for appropriate State oversight of activities related to the beaver dam, and of predesign sampling activities. It is also the Department's understanding that GE will provide the Department with sufficient opportunity to review the biddable plans and specifications and RFP, and attend the pre-construction meeting with prospective bidders.

The State has reviewed the proposed conceptual access road and staging area location plan for the west side of the Valatie Kill and concurs with the approach. Resolution of the Consent Decree addressing the Area 28 remedial plan is required prior to implementation of the work.

Should you have any questions regarding the above comments, please contact me at 402-9774.

Sincerely,

James N. Ludlam, P.E.
Project Manager
Bureau of Central Remedial Action
Division of Environmental Remediation

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
ALBANY FIELD OFFICE
1 BOND STREET
TROY, NEW YORK 12180

APR 3 0 2003

REPLY TO
ATTENTION OF:

Regulatory Branch

SUBJECT: Permit Application Number 2003-00261-YN
by General Electric Company

General Electric Company
c/o Anthony Esposito
Blasland, Bouck & Lee, Inc.
6723 Towpath Road, P.O. Box 66
Syracuse, New York 13214-0066

Dear Mr. Esposito:

On March 17, 2003, the New York District Corps of Engineers received a request for Department of the Army authorization for the discharge of fill material into waters of the United States to facilitate the remediation of a contaminated site which is to be conducted in accordance with the New York State Resource Conservation and Recovery Act (RCRA). The site is located south of Central Nassau Road in the Town of Nassau, Rensselaer County, New York.

The submitted material entitled "Preconstruction Notification-Area 28 Remedial Action, Loeffel Site Environs, Nassau, New York", prepared by Blasland, Bouck & Lee, Inc., dated March 2003, indicates that the work would involve the discharge of fill material into 0.21 acres of wetlands and 300 linear feet of the Valatie Kill to facilitate the removal of contaminated soil and sediment. Temporary water diversion structures would be placed within the stream to facilitate the sediment removal activities. Fill material would be discharged into the entire 300 linear foot section of stream channel to restore it to conditions that maintain the stability of the channel and enhance fish habitat. Cross vanes, triangular deflectors and transverse bars would be constructed in the waterway for this purpose. Additionally, a 0.21 acre emergent and scrub shrub section of Wetland 4 would be restored and 0.01 acre would be created along the west side of Wetland 4 to mitigate for permanent impacts to waters of the United States.

Based on the information submitted to this office, and accomplishment of notification in accordance with the applicable federal requirements, our review of the project indicates that an individual permit is not required. It appears that the activities within the jurisdiction of this office could be accomplished under Department of the Army Nationwide General

Permit Numbers 33 and 38. The nationwide permits are prescribed as an Issuance of Nationwide Permits in the Federal Register dated January 15, 2002 (67 FR 2020). The work may be performed without further authorization from this office provided the activity complies with the permit conditions listed in Section B, Nos. 33 and 38, Section C, any applicable New York District regional conditions, the following special conditions, and any applicable regional conditions added by the State of New York, copies enclosed.

Special Conditions

(A) No later than thirty (30) days prior to the commencement of the work authorized by this permit, the permittee shall provide this office one set of plan and section view drawings illustrating all work associated with the final sediment removal and restoration plan in reference to the existing waters of the United States at the site. These drawings shall include the sediment removal locations and depths, proposed post-remediation contours within the Valatie Kill and Wetland 4, the types and locations of all temporary structures or fill that will be utilized to accomplish the work, including cofferdams, access roads and staging areas, the location of all streambank stabilization and in-stream enhancement structures, and detailed planting plans. In addition, the permittee shall quantify all impacts to waters of the United States in the required drawings. **No work shall be performed on the project site until the permittee receives written approval of the plans from this office.**

(B) The permittee shall be responsible for restoring all wetland and stream areas disturbed during the remediation effort. The permittee shall ensure that the created and restored wetland areas meet the federal wetland criteria outlined in the report entitled "Corps of Engineers Wetland Delineation Manual" dated January 1987, with current Corps of Engineers guidance. The stream channel shall be restored and enhanced so that it is stable.

(C) The permittee shall provide to this office two (2) copies of an annual report on the status of the stream and wetland restoration effort, prepared during the growing season, no later than October 31 in each of the following five (5) years after initiation of the activities authorized by this letter. These reports shall include the following at a minimum:

i. All plant species, along with their estimated relative frequency and percent cover, shall be identified by using plots measuring 10 feet by 10 feet with at least one representative plot located in each of the habitat types within the wetland restoration/creation site. The location of each plot shall be identified on the plan view engineering drawing.

ii. Vegetation cover maps in the wetland restoration/creation site, at a scale of one inch equals 100 feet, or larger scale, shall be prepared for each growing season.

iii. Photographs showing representative areas of the wetland mitigation site shall be taken at least once each year during the period between 1 June and 15 August.

iv. Two sets of clear, color photographs of the section of the Valatie Kill that will be restored and stabilized, each in-stream enhancement structure, and the sections of stream channel located immediately upstream and downstream of the project reach. One set of photographs shall be taken during normal flow conditions, and the other shall be taken immediately following an annual or bankfull flow event.

v. A Level II stream reach classification for the site. Data shall include channel dimensions at bankfull in both riffle and pool sections, a pebble count, and the identified stream type.

vi. A written description of the existing conditions at the work site, including the conditions of the wetland mitigation area, conditions of the stream bed and banks, in-stream enhancement structures, conditions upstream and downstream from the work area, and any observed usage by fish and wildlife.

(D) The permittee shall ensure that all plantings in conjunction with the stream and wetland restoration effort shall have an eighty-five (85) percent survival and/or coverage rate which must be met or exceeded at the end of the second growing season following the initial planting/seeding of the site. If the eighty-five (85) percent survival rate is not met at the end of the second growing season, the permittee shall take all necessary measures to ensure the level of survival by the end of the next growing season, including re-planting and re-grading if necessary.

(E) The permittee shall undertake the authorized filling activities in a manner aimed at reducing impacts upon the general environment. In addition, the permittee shall not stockpile fill or other materials in a manner conducive to erosion, or in areas likely to cause high turbidity runoff during storm events. All exposed soils shall be re-vegetated in a timely manner to further reduce potential effects. The permittee shall also fence off all wetlands and other sensitive ecological areas during construction periods to prevent equipment and personnel from entering these areas.

(F) If corrective measures are determined to be necessary to ensure the stability of the stream reach, or the successful restoration/creation of the wetland area, the permittee shall notify this office at least 30 days prior to undertaking such work and shall not proceed until approved in writing by the New York District.

(G) The permittee shall assume all liability for accomplishing the corrective work should the New York District determine that the mitigation has not been fully satisfactory. If the New York District does not find the mitigation satisfactory, an extension of monitoring time may be required to cover any necessary remedial work.

(H) The permittee shall preserve the wetland and stream restoration areas in perpetuity to guarantee their preservation for wetland and wildlife resources.

This determination covers only the work described in the submitted material. Any major changes in the project may require additional authorizations from the New York District.

Care should be taken so that construction materials, including debris, do not enter any waterway to become drift or pollution hazards. You are to contact the appropriate state and local government officials to ensure that the subject work is performed in compliance with their requirements.

This verification is valid for a period of two years from the date of this letter, unless the nationwide permit is modified, suspended or revoked. This verification will remain valid for two years from the date of this letter if the activity complies with the terms of any subsequent modifications of the nationwide permit authorization. If the nationwide permits are suspended, revoked, or modified in such a way that the activity would no longer comply with the terms and conditions of a nationwide permit, and the proposed activity has commenced, or is under contract to commence, the permittee shall have 12 months from the date of such action to complete the activity.

Within 30 days of the completion of the activity authorized by this permit and any mitigation required by this permit, you are to sign and submit the attached compliance certification form to this office.

If any questions should arise concerning this matter, please contact Andrew Dangler, of my staff, at (518) 270-0588.

Sincerely,

Christine Delorey

for George Nieves
Chief, Western Permits Section

Enclosures

cf: NYSDEC - Region 4
Town of Nassau
James Ludlam, NYSDEC Central Office

GE Corporate Environmental Programs

HAZARDOUS MATERIALS TRANSPORTATION SECURITY PLAN
AREA 28 REMEDIAL ACTION SITE

Prepared by:

Edward K. LaPoint, P.E.
Project Manager

Reviewed and Approved by:

10/1/03

Project Manager
GE Corporate Environmental Programs

October 1, 2003

HAZARDOUS MATERIALS TRANSPORTATION SECURITY PLAN GE CORPORATE ENVIRONMENTAL PROGRAMS – AREA 28 REMEDIAL ACTION SITE

1.0 Introduction

This *Hazardous Materials Transportation Security Plan* (HMTSP) has been prepared for the Area 28 Remedial Action (RA) Site in Nassau, New York (the Site). The General Electric Company's (GE's) Corporate Environmental Programs (CEP) developed this HMTSP to document the procedures implemented for the security of hazardous materials being staged at and then transported from the Site. The objective of this HMTSP is to provide security procedures to minimize transportation security risks for materials being shipped from the Site.

Specifically, this HMTSP includes Site information, describes the security measures for hazardous materials shipped from the Site, and identifies training requirements.

GE CEP has developed these procedures specifically for the RA at the Site, where the types and quantities of hazardous materials managed and transported will be generated over a relatively short duration and only as a result of the RA program. This Site is occupied by workers engaged in environmental remediation activities during normal work hours. Additionally, the caretaker of the property lives adjacent to the Site, a GE representative (Edward K. LaPoint – GE CEP Project Manager) visits the Site frequently, and the New York State Department of Environmental Conservation (NYSDEC) provides daily oversight.

This HMTSP is consistent with GE's HazMat Security Plan Guidelines (Appendix A) and GE's Security and Crisis Management Policy (Appendix B), and meets the security plan requirements for the transportation of hazardous materials established by the U.S. Department of Transportation (DOT) at 49 CFR Part 172, Subpart I, §172.800 and §172.802.

2.0 Site Information

2.1 Site Location and Description

The Area 28 RA Site, a specific portion of the Valatie Kill, is located in the Loeffel Site Environs Operable Unit-3 (OU-3) in Nassau, New York and extends from Central Nassau Road along the Valatie Kill for approximately 500 feet. Deposited materials containing polychlorinated biphenyls (PCBs) in the Site originated from upstream areas, which have since been remediated. GE and the NYSDEC have entered into a Second Stipulation and Order of Partial Settlement (SS) to facilitate the RA. The SS requires removal of soil and sediment at the Site that contain PCBs.

2.2 Summary of RA Program

The RA is being conducted at the Site under the SS to address soil and sediment containing PCBs in the project area. Remedial activities being conducted consist of excavation of impacted soil and sediment and transport of same via tractor trailers to GE-approved offsite disposal facilities.

2.3 Description of Hazardous Materials Transported from the Site

Remedial activities conducted at the Site result in the generation of hazardous materials that require placards for transporting and shipping of those materials from the Site under 49 CFR Part 172, Subpart F Placarding. This condition requires that this HMTSP be prepared to address potential transportation security risks. The hazardous materials generated/managed at the Site requiring placards for transportation consist of soils and sediments containing PCBs at concentrations ranging between 50 and 120 milligrams per kilogram, which are also subject to regulations under the Toxic Substances Control Act.

3.0 Security Measures for Hazardous Materials

3.1 General Risk Assessment

The potential security risks represented by the transportation of hazardous materials generated and managed at the Site are low; there are minimal risks to trespassers, and the materials generated contain relatively low levels of hazardous constituents. Hazardous materials stored at the Site are planned for shipment to a GE-approved disposal facility. These hazardous materials do not contain sufficient quantities of any material that would be considered a target for terrorist or other covert activity (not a regulated toxin/agent, radioactive, poisonous, or flammable/explosive). Additionally, the materials, being sediments and soils would be difficult to transport in any significant quantity without specialized equipment (e.g., backhoe, dump truck, etc.). Therefore, the greatest concern regarding the storage and transportation of these materials is potential vandalism related to breaches of Site security and accidents resulting in releases during on and offsite transportation. Provisions to minimize unauthorized access to the Site are described in Section 3.3, below.

As part of typical Site operations, a daily inventory of hazardous materials stored onsite and transported offsite is performed. Any shortages or discrepancies that are identified will be immediately investigated and/or reconciled. Documentation of the material inventories, reconciliations and discrepancy resolutions is maintained at the Site and at the CEP Project Manager's office or the Site Engineer's office.

3.2 Personnel Security

All GE CEP employees are subject to background checks before being offered employment with the Company. Therefore, no additional security measures are proposed for GE CEP employees who may have access to (or, on limited occasions, potentially be required to handle) hazardous materials managed at the Site. Additional security screening measures that may be applied are presented in **Attachment B: HazMat Personnel Screening** of GE's Security Plan Guidelines, which is attached to this HMTSP as Appendix A.

Most activities implemented at the Site pertaining to hazardous materials management are conducted by contractors, consultants, and transportation companies that are carefully screened, evaluated, and selected by GE CEP. Screening of non-GE CEP personnel is a responsibility of individual consultants, contractors, and transporters that are required under federal employment law to verify employee identification (e.g., name, social security number, citizenship, etc.) at the time of employment. Furthermore, these contractors, consultants, and transporters enter into contractual agreements with GE CEP that include conditions related to assignment of qualified personnel and meeting all regulatory requirements as they pertain to the activities conducted under the contract. These activities may include the signing of hazardous materials shipping papers and acting as GE's representative when hazardous materials are loaded for shipment and disposal. Consequently, the contractors, consultants, and transporters have procedures in place to verify the experience and qualifications of their respective employees. Based on the low risk represented by the hazardous materials that may be present at the Site, additional background screening of contractor and consultant personnel will not be conducted by GE. However, background screening of employees and maintaining records of employee training are the responsibility of the consultant, contractor, or transporter.

All contractors, consultants, and transporters involved with the transportation of hazardous materials from the Site will be provided with specific training regarding this HMTSP. GE CEP will maintain records of contractor and consultant training in the project files for the Site. Security training requirements are discussed further in Section 4.0 of this HMTSP.

3.3 Unauthorized Access

Access to the Site is controlled by personnel presence and signage ("Do Not Enter") during work hours and by the property caretaker's residence adjacent to the Site during non-work hours. All onsite facilities (e.g., trailers, machinery, etc.) are locked when not in use and after work hours. All hazardous materials that may be present at the Site are staged in a remote area, purposely located away from the Site perimeter and difficult to view from the Site boundaries. These materials are present at the Site for only limited periods of time, and, as stated above, require specialized equipment to move in significant quantities. Only authorized employees are permitted access to the Site and the locations where the hazardous materials are stored. GE CEP representatives, contractors,

and consultants are required to follow the sign-in/sign-out procedures established for the Site to control access.

A Security Self Assessment evaluation addressing security and crisis management provisions has previously been completed for the Site using the GE CEP Crisis Management-Risk Vulnerability Assessment Tool (CM-RVAT). In addition, a Crisis Communication Worksheet has also been completed for the Site. Site security was also analyzed using a Failure Modes and Effects Analysis (FMEA) regarding remedial components operations and potential impacts to those components related to potential breaches of site security. These evaluations are included in Appendix B of this HMTSP and describe the measures in place at the Site to restrict unauthorized access and provide for security of hazardous materials being stored/staged prior to transportation from the Site.

The Site Security and Crisis Management Plan includes a schedule for the frequency of inspections and procedures for documenting that the security measures in place remain valid for the Site conditions and are intact. The frequency of inspections may be adjusted in response to changing conditions at the Site. Guidelines for the security inspections are included in **Attachment C: Security Inspections** of GE's HazMat Security Plan Guidelines (Appendix A).

Any suspicious activity or breaches of Site security discovered while present at the Site must be reported immediately to the GE CEP Project Manager (Edward K. LaPoint). GE CEP's Project Manager will then determine whether additional communication of the identified condition is required and make the additional contacts per the Crisis Communication Plan/Worksheet for the Site and the Security and Crisis Management Policy.

GE CEP will arrange to provide access to the Site for all waste transporters (and other vendors) making pick-ups. While present at the Site, the waste transporter's representative will be escorted to all areas where hazardous materials are staged.

3.4 En-Route Security for Transportation of Hazardous Wastes

Only GE CEP-approved transporters will be used to ship hazardous wastes or PCBs wastes. A list of these approved transporters can be found on the GE CEP Home Page under GE Approved Hazardous Waste and PCB Transporters. GE CEP will ensure that any approved motor carrier used to transport hazardous materials is qualified and has met the appropriate DOT security requirements. The documentation verifying that each transporter meets these requirements is presented in Appendix C. Additional requirements for transporters and transportation of hazardous waste that must be met by any transporter are included in **Attachment E: En Route Security for Motor Carriers**, which is attached to this HMTSP in Appendix A.

4.0 Training Requirements

All GE CEP hazmat employees, including GE CEP representatives, contractors, consultants, and transporters, are required under current GE policy to meet certain security training requirements. These include general security awareness training and security training related to the transportation of hazardous materials from this Site. The training will help ensure that Site personnel understand their roles and obligations in confirming the safe transportation of hazardous materials from the Site.

GE requires that the general security training be completed and certified through testing at least once every 3 years; initial training must be completed with 90 days of employment for new employees. GE requires that its training certifications be retained in the project file by GE CEP for all personnel involved with transportation security for hazardous materials at the Site. The initial in-depth security training specifically required for this Site must be completed by December 22, 2003. In-depth training for transporters used for this Site will be verified by on-site GE CEP representatives at the time the shipment is loaded for transportation. Specifically, the following training will be verified:

- Overall security objectives;
- Site-specific security procedures and organizational structure;
- Individual security responsibility, including recognizing suspicious activity; and
- Response to security breaches.

GE CEP and the contractor, consultant, or transporter will verify that the necessary training is completed and will retain training records related to same in the project file. A copy of a sign-off sheet confirming that the in-depth training was verified is included as Appendix D and will be signed by all personnel undergoing the site-specific security training. Copies of the HMTSP will be provided to key personnel as necessary.

5.0 Security Plan Revisions and Modifications

The HMTSP will be updated and revised as necessary to reflect any changes in Site conditions or changed circumstances that may impact the security of hazardous materials and/or hazardous materials transportation. Modified, updated versions of the HMTSP will include the date of the most recent revision and indicate the revision number. The revised HMTSP will be placed in the project files and distributed to personnel involved with hazardous materials transportation at the Site, with previous versions being removed from the files and discarded.

APPENDIX A

GE Security and Crisis Management Guidelines
(Revised Draft-9/24/2003)

GE HazMat[1] Security Plan Guidelines

GENERAL GUIDELINES

GE facilities handling such amounts of HazMats as to require placards[2], shall prepare and maintain a written HazMat Security Plan, and shall meet all the requirements as outlined in the GE Site Security and Crisis Management Policy. These HazMat Security Plans must address the following areas:

1. **HazMat risk assessment;**
2. **Personnel security;**
3. **Unauthorized access;** and
4. **En route security (for transport of HazMats).**

Please note that these guidelines were written to help you comply with federal DOT security requirements; states may have more stringent requirements with which you also must comply.

All HazMat employees should sign and date the receipt of the Hazardous Materials Transportation Security Plan and records should be kept that the HazMat employees have been trained in pertinent provisions of the Plan. An example sign-off sheet is provided at the end of this section.

HazMat RISK ASSESSMENT

Each plan shall include a written risk assessment that addresses possible transportation security risks for shipment of HazMats and hazardous wastes and appropriate measures to address the assessed risks.

PERSONNEL SECURITY

Personnel involved with HazMats transportation procedures must be trained, tested, and certified to demonstrate that they are familiar with facility security plans and procedures. This training must be conducted at least every 2 years. Copies of the training tools, test results, and employee training records must be kept until superceded by new training.

Employees are expected to report suspicious activities to their immediate supervisor, manger, business security leader, or local law enforcement officials. For examples of

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[1] In this document, the term "HazMat" refers to both hazardous materials and hazardous wastes.

[2] Placardable amounts include any bulk packages as well as non-bulk shipments w/total gross weight equal to or greater than 1001 lb/load; or smaller amounts of extremely dangerous HazMats such as radioactives, explosives, inhalation poisons, etc. Even if a GE site does not ship extremely hazardous materials, the threshold is low: 2 or 3, 55-gallons drums of HazMats/load or one cubic yard of soil contaminated with hazardous waste may trigger the requirement for a written security plan and in-depth security training.

suspicious activities, please see Attachment A. Employees are also encouraged to use web-based reporting tools, if hosted by their individual business elements.

All employees, contractors and other persons involved in the handling, storage, preparing for transport and/or transportation of HazMat are considered to be in Security Sensitive Positions, subject to the GE Corp HR Background Screening Requirements. Additionally, there are personnel screening requirements for HazMat drivers and positions involving access to handling, storing, preparing for transport, and/or transport of HazMats, which are provided in Attachment B.

UNAUTHORIZED ACCESS

Each business shall establish and implement procedures for ensuring only authorized personnel can access sites where HazMats are stored or prepared for shipment. Procedures shall ensure that all waste vendors, chemical suppliers, and other vendors making deliveries and pick-ups on site are properly screened, cleared with adequate background checks, and provided badges according to business requirements. At no time shall any unauthorized vendor or supplier be left unaccompanied in a HazMat controlled area.

Each business shall establish and implement procedures for security inspections for areas where HazMats are packaged for shipment. (See Attachment C.)

Each business shall restrict information (both electronic and paper) pertaining to the storage and/or transportation of HazMat to only those GE employees and contractors having a need-to-know. (See Attachment D.)

EN ROUTE SECURITY

Each business that uses outside HazMat carriers shall ensure:

- Only GE CEP approved transporters are used to ship hazardous wastes or PCBs wastes. A list of these approved transporters can be found on the CEP Home Page under GE Approved Hazardous Waste and PCB Transporters.

- Any motor carrier used to transport HazMats is qualified and has met DOT security requirements. (See Attachment E: En Route Security for Motor Carriers for additional information on how to qualify these transporters.)

Each GE business that owns, operates and/or leases vehicles used to carry HazMats shall develop and implement measures that adequately resolve all security-related vulnerabilities to HazMat shipments from origin to destination, including permanent and temporary storage incidental to transportation. (See Attachment F.)

Employee Sign-off Sheet

I acknowledge I have been informed and given a copy of the company's Hazardous Materials Transportation Security Plan. I have read and understand the procedures contained therein, and I accept the policy as a working document that I will support and follow in my daily work.

Employee's Signature: _____ Date: _____

Supervisor or Safety Director's Signature: _____ Date: _____

Attachment A: Examples of Suspicious Activity

Suspicious activity includes, but is not limited to, any of the following situations:

- Unidentified person(s) attempting to gain access to property, equipment, or facilities.
- Unidentified person(s) in any area of the company, office, yard, or parking lot.
- Any person (employee or otherwise) found visiting a part an office, plant, facility, or site for unknown or suspicious reasons.
- Any person (employee or otherwise) found wondering on GE property.
- Any person (employee or otherwise) who appears to be hiding something or is acting nervous, anxious, or secretive.
- Any employee or visitor making unusual or repeated requests for sensitive or important company documents or information.
- Any person asking an employee to make any unauthorized movement (pick-up and delivery) for cash (motor carrier specific).
- Any person or group loitering outside a company facility or premises.
- Any person claiming to be a representative of a utility (gas, water, electric) but cannot produce valid company identification.
- Uniformed delivery personnel using a private vehicle, or carrying suspicious company credentials
- Any person observed carrying a weapon such as a gun or knife.
- During hours of darkness, any vehicle driving slowly by a company facility with the headlights off.
- Any occupied vehicle parked outside a company facility, especially if the vehicle has been sitting for a long period or after normal work hours.
- An vehicle that appears to be abandoned, and is parked near a company building, parking lot or adjacent to GE property.

Attachment B: HazMat Personnel Screening

All GE employees (and future applicants) holding positions that require access to, or the handling, packaging, storage or transportation of, HazMats must meet the same minimal background screening and safety criteria imposed upon HazMat contractors by and in accordance with GE CEP standards. Criminal background checks for all current GE HazMat handlers may be waived at the discretion of the respective business component.

To comply with personnel screening requirements, those GE facilities handling placardable amounts of HazMats shall produce a Consolidated HazMat Handlers Clearance Roster. This roster must contain the names, positions, and telephone numbers of all persons (employees or otherwise) cleared and authorized to handle HazMats at that respective location. The following statement will be reflected at the top of the page containing the roster, "The below listed individuals are authorized to handle hazardous materials on GE property." Where applicable, this roster shall be provided to the onsite security staff and/or EHS leader for informational purposes and policy enforcement, and shall be immediately updated whenever HazMat handlers are added or removed from the roster.

The application requirements for HazMat handlers are synopsized, below:

For All GE HazMat Personnel:

- Meet the general minimum age and experience requirements as set forth by the GE business component.
- Be subject to an inquiry into their driving record during the preceding 3 years (10 years for CDLs). The inquiry is made to the appropriate agency of every state in which the applicant held a motor vehicle operator's license or permit. The driver qualification and hiring process **does not** continue until all driving record information for the preceding 3 years (10 years for CDLs) has been verified as true and accurate.
- Be subject to an investigation into the employment record during the preceding 3 years (10 years for CDLs). Driver applicants must provide accurate and complete previous and current employer information upon request, including but not limited to: names and addresses of previous employers; names and titles of previous supervisors and dispatchers; phone numbers or other contact information for both of the above. The driver qualification and hiring process **does not** continue until all previous employer information for the preceding 3 years (10 years CDLs) has been verified as true and accurate.
- Undergo an investigation into their drug and alcohol history with regard to previous employers per 49 CFR §40.25. The driver qualification and hiring process **does not** continue until drug and alcohol information from previous employers for the preceding 2 years has been obtained and verified.
- Conduct an in-person interview with the applicant, which is used to determine fit for both the applicant and the company. In addition, the in-person interview is used to identify and/or resolve any unexplained gap(s) in employment history,

reason(s) for job or career changes, and other areas of concern regarding the applicant's background or work-related capabilities.

- Submit to a pre-employment drug screen as required by 49 CFR §382.301 (for drivers requiring a CDL); no driver applicant performs any work or activity until a verified negative test result has been obtained for the applicant.
- Be medically examined and certified as physically qualified to operate a commercial motor vehicle by a licensed medical examiner of our choosing.
- Undergo at a minimum and previous to any potential employment, a single-county, seven-year history, upper and lower court criminal record check based upon the address of current residence. Should an applicant have resided elsewhere (two or more locations) within a one-year period just prior to applying for a HazMat position, each previous residence (and respective county) should be checked for criminal history. The same procedure applies for state checks, where applicable. Federal criminal record checks are to be conducted when required and/or authorized by Federal law and where legally permitted.

Additional Requirements For GE HazMat Drivers:

All GE personnel or GE contracted personnel assigned to transport hazardous materials or hazardous waste in commercial vehicles on public highways must be properly qualified per 49 CFR Part 391. Additional GE business hiring requirements may also be applicable. Contact Manager - GE DOT Compliance Programs, GE Transportation Management Services, 13391 McGregor Blvd, Fort Myers, FL 33919, phone: 239-985-3016 for Driver Qualification.

Attachment C: Security Inspections

Security inspections shall be conducted for all placardable amounts of HazMats handled during shipping and receiving activities. Inspection frequency shall be determined by each business component.

To comply with security inspection requirements, those GE facilities handling placardable amounts of HazMats shall produce a HazMat Security Inspection Checklist. This checklist shall contain inspection details such as the dates, times, specific locations, names of persons inspecting, comments, and identification numbers of respective vehicles, trailers, railcars, etc. All records of inspections shall be kept in the respective location's security and/or safety files and retained for a period of time, no less than one year. Where applicable, this checklist shall be provided to the on-site security staff and/or Environmental Health and Safety (EHS) leader to be used in the routine security inspection process, and shall be immediately updated whenever HazMat locations are changed.

Each business component shall also implement adequate internal accountability and tracking procedures for all pertinent amounts of HazMats handled or stored at that facility.

Loaded trailers containing HazMats cargo shall be sealed with a barrier-type seal, heavy-duty lock, and fitted with a king pin lock at all times while staged at any company facility. Facilities where HazMat cargo is staged inside a perimeter fence with access control at gates and doors (guards or badge access), a visitor escort system and other security methods (e.g., cameras, lighting, employees in the HazMat areas, etc.) may opt not to employ these methods.

Attachment D: HazMat Information Security

All information (both electronic and paper) relating to the HazMat movement or storage should be restricted to only those GE employees and contractors having a need-to-know. Access to HazMats load information should be limited to operations personnel only, which typically includes dispatchers, operations manager, and authorized warehouse & dockworkers. All storage, inventory, purchasing, shipping and receiving documents & informational repositories (electronic databases) pertaining to, or referencing types or amounts of, HazMats shall be restricted to only those persons with a need-to-know.

Where trailers containing placardable amounts of HazMats are staged for transport, all paperwork detailing contents of the trailer shall be adequately maintained and secured separate from the vehicle.

Attachment E: En Route Security for Motor Carriers

It is the responsibility of each GE component to ensure all carriers transporting HazMats under a GE bill of lading are qualified to do so and meet the minimal Department of Transportation (DOT) safety and security requirements. The following guidance regarding HazMat carriers is provided:

When qualifying a carrier to ship HazMats, you must consider the carrier's current safety rating (SafeStat score) and review all relevant safety-related data as found in the carrier's detailed profile summary report, such as:

- The carrier's current safety rating (must have a SATISFACTORY rating);
- Recent compliance review/audit data; and
- A review of all data found in all four Safety Evaluation Areas (SEAs).

All carriers must submit information regarding their driver/employee hiring, screening, and review process. Carriers must ensure their drivers remain qualified through an **annual review**, and must provide verification documentation. At a minimum, carriers must demonstrate they have in place an appropriate and thorough background investigation process for all drivers, that includes:

- Previous employer inquiries;
- Driving records review; and
- Criminal conviction investigations.

Before loading any HazMat or hazardous waste, the identity of the driver and motor carrier must be verified. Drivers should be asked to produce photo identification and current operator's or CDL, and the carrier should be contacted to verify the:

- Driver's name and license number;
- Tractor/truck number; and
- Trailer number.

In addition, before loading the driver should be asked the name of the cargo's consignee and destination. The information provided must be confirmed with the company's records before releasing any HazMats shipment.

After loading the HazMats or hazardous wastes, the trailer should be sealed with a company-issued barrier-type seal. All seal numbers, along with the date and time, are recorded in the presence of the driver on all shipping documents.

Also, it should be verified that the motor carrier has terminal-to-truck tracking and communication capabilities.

Attachment F: En Route Security For GE HazMat Fleet Vehicles

Company Assigned Equipment - Each driver should be assigned a heavy-duty padlock, and a receipt is obtained for the lock from each driver. The padlock should be used in conjunction with trailer door seals for every assigned load involving HazMats.

Drivers are responsible for and are expected to use their padlocks. In addition, when in use, the padlock's number should be recorded on delivery manifest or bill of lading along with the trailer's shipper-issued seal number(s).

Point-of-Origin Driver Security Procedures - Upon arrival at the HazMat load's point of origin, all drivers must check in with the responsible shipping personnel to notify them of arrival and to provide picture proof of identity. Drivers are expected to produce their current operator's or CDL. While at the shipper, drivers must follow the loading instructions and obey all customer safety and security rules and procedures.

At the designated loading location (assigned dock door), the driver must secure the vehicle. No company vehicle may be left unattended until the driver is confident the vehicle is secured from moving.

Shipper Load & Count - In the event a driver is scheduled to pick up a trailer pre-loaded with HazMat(s), he or she must verify:

- The load's shipping papers;
- Seal numbers; and
- Trailer number.

A driver must not to break a seal on a pre-loaded trailer or a trailer moving under a shipper's load and count provision, except under emergency situations. These guidelines apply to outbound loads as well as loads being picked up and returned to a terminal or spotting/staging area.

In the event of a live load, drivers are expected to supervise the entire loading process. Drivers must ensure no unauthorized or unscheduled cargo is loaded on any trailer.

When all loading activity has been completed, drivers must ensure the cargo is secure and to check the bill of lading or the delivery manifest for an accurate cargo count. Once drivers are satisfied that the cargo matches the shipping papers, they must:

- Close the trailer doors and witness the shipper sealing of the trailer;
- Record the seal number(s) on the shipping papers; and
- Have the shipping papers signed by the responsible shipping personnel before leaving.
- Contact their supervisor/dispatch to verify all pertinent load-related information and the loading process has been completed.

If a discrepancy is found between the cargo and bill of lading or shipping manifest, drivers must contact their supervisor immediately for instructions.

In the event the shipper fails to supply a seal, drivers are required to use a company-issued seal. Seals can be obtained from any company supervisor.
Drivers must use their padlocks to provide additional cargo security for all loads containing HazMats. However, if using a padlock would cause any damage to the trailer door seal, attempts to use the padlock should not be made.

Before leaving any shipper, drivers must make a thorough visual observation of their immediate surroundings and report any unusual or suspicious activity to their supervisor immediately.

Hazmat En Route Standard Security Operating Procedures - Drivers, together with their supervisor/dispatcher, must prepare and execute trip plans for all HazMats movements that list:

- Routing schedules that avoid highly populated areas, bridges, and tunnels when possible;
- Fueling and break locations (including approximate dates and times for same);
- Dates and times of daily/routine check calls; and
- Estimated times of arrival to stop offs and final destination.

These trip plans also must include potential alternate routes and acceptable deviations.

For all HazMats movements, drivers must minimize stops en route. Proper execution of a thorough trip plans reduces the need for unnecessary or unplanned stops.

In the event a load containing HazMats is staged at a company terminal or facility while en route, it must be stored in a secured (fenced in) location with limited and controlled access.

For large and/or significant HazMat shipments, which could pose a potential high-risk environmental threat, business leaders should implement additional precautions, such as two-driver teams and/or security escorts.

En Route Driver Security Guidelines & Procedures - Dispatch/Operations must make every effort, such as working with consignees, to arrange HazMats delivery schedules that minimize in-transit down time. In most cases, this means that dispatch schedules loads for delivery as early as possible based on drivers' available hours and the consignee's receiving hours of operation.

While in transit, drivers are **prohibited** from discussing information related to their load, route, or delivery schedule with any person(s) other than authorized company officials. Drivers failing to abide by this policy are subject to disciplinary action up to and including termination of employment. Drivers are to report any suspicious activity

(including load-related inquiries from strangers) to their supervisors immediately.

Drivers are expected to take all reasonable and responsible precautions to prevent damage to company vehicles and theft of HazMat cargo while in transit.

For personal protection and safety, and the security of the cargo, drivers are expected to park in safe, well lit, designated truck parking locations only (such as reputable truck stops or high-traffic, major rest areas). When possible, trailers loaded with HazMats should be parked against a wall, fence, or other stationary/fixed object to enhance cargo security.

In all cases, drivers are required to inspect their vehicle and trailer for evidence of tampering after each stop.

Drivers must lock their vehicles and have all windows in the closed position at all times while in transit, especially during all time spent in urban areas, and parked at truck stops and rest areas.

When possible, dispatch contact receivers for the purpose of arranging secure overnight or after hours parking for drivers who can safely and legally arrive at their destinations ahead of schedule.

Drivers are **prohibited** from taking their equipment (loaded or empty) to or through home, or parking in any unsecured area. Drivers failing to abide by this policy are subject to disciplinary action up to and including termination of employment.

Drivers are expected to maintain regular communications with GE while in transit. Any incident of drivers failing to check in when required is assumed by the company to be suspicious and highly irregular. Immediate action is taken in such situations. Drivers are expected to fully understand this procedure and make every effort to maintain regular contact and communication with dispatch.

Hijack or Cargo Theft Driver Guidelines - Drivers who fall victim to vehicle hijackers or cargo thieves should notify local police as soon as possible. Once the proper authorities have been notified, drivers must contact an appropriate company official and follow all subsequent instructions.

Drivers are prohibited from picking up and transporting any unauthorized person.

In the event of an attempted vehicle hijacking or cargo theft situation while the vehicle is in motion, GE has a NO STOP policy. Drivers who believe a vehicle hijacking is, or may be, in progress, should keep the vehicle moving as safely and responsibly as possible until the attempt has ceased and/or the authorities have been notified. However, in any hijack situation, drivers must use their own good judgment (whether to stop or keep moving) based on the degree to which they feel their personal safety is at risk. .

Stop Off/Destination Driver Security Procedures - Upon arrival at the destination or stop off, drivers must check in with the responsible receiving person(s) to notify them of arrival, show picture proof of identity, and receive unloading instructions. Drivers must follow receiver's unloading instructions, and obey all customer plant safety and security rules and procedures.

Once permission to unload has been given, the driver must proceed to the unloading location (assigned receiving dock door) and secure the vehicle. No company vehicle is unattended until the driver is satisfied that the vehicle is secure from moving.

The driver, along with a responsible receiving employee, must verify delivery, inspect the trailer seal(s), match the seal number(s) with those on the shipping papers, break the seal(s), open and secure the trailer doors, and inspect the cargo. Once both the driver and receiver are satisfied, the driver must back the trailer and secure the vehicle.

Drivers must supervise the unloading process. In the event of cargo damage, overage, shortage, or any other discrepancy, drivers must contact their supervisor immediately for instructions and to report the cargo claim incident.

After the unloading process has been completed, the driver must get the appropriate paperwork signed by the responsible receiving employee, and contact dispatch for the next assignment or instructions.

APPENDIX B

CEP Security Crisis Management Policy

CM-RVAT
Crisis Communication Worksheet
FMEA

Security & Crisis Management

Issued: October 31, 2001

Overview

The Company has no greater responsibility than protecting our people, our workplaces, our communities and the continuity of our business.

The Company has issued this policy to outline the basic security and crisis management measures that every GE business must have in place. The particular ***form*** *of these security and crisis management measures will vary according to the nature of each business and the particular risks that it must address. But every business must implement a rigorous and comprehensive security and crisis management plan that systematically addresses security – measures for preventing terrorist and other criminal acts – emergency response and business continuity with respect to our people, facilities, information assets and supply chain. Vital parts of any such plan are processes for decision-making and for communicating with our employees and communities during a crisis.*

Contents

Core Requirements
Security and Crisis Management Infrastrucure
People
Facilities
Information Security
Supply Chain
Crisis Decision-Making and Communication
Related Policies and Procedures
Resources

Core Requirements:

TOP

- The leader of each GE business is **personally** responsible for implementing a rigorous and comprehensive security and crisis management plan.
- Each plan shall include a process for identifying, and protecting against, the risks posed by criminal activity and terrorism to *people* (employees as well as other people working at or visiting GE facilities); to *facilities*; to *information technology assets and systems*; and to the *supply chain*.
- The plan shall also include a *crisis management process* to (a) plan and provide for rapid and effective response to emergencies, including appropriate coordination with public safety and law enforcement officials and (b) plan and provide for business continuation as soon as possible.
- The plan shall also include a process for *communicating*, as appropriate, about prevention, emergency response and business continuation with the GE community, government officials, the media and the public, among others.
- The leader of each business shall implement appropriate dashboards and other metrics to measure the execution and effectiveness of its comprehensive plan.
- Each business shall incorporate compliance with the requirements of this policy in its Session D processes (and, where relevant, Session E processes). The Corporate Policy Compliance Review Board will review the execution and implementation of this policy in each Session D.

- The leaders of each business shall take all steps they deem appropriate in addition to the specific measures discussed below, including appropriate drills, education and training.

Security and Crisis Management Infrastructure:

TOP

- The security and crisis management function shall be regarded as a core competence of the business, and each business shall devote adequate resources to ensure the effective implementation of the comprehensive security and crisis management plan.
- Each business leader shall appoint a crisis management leader, reporting to the business leader, who shall have the lead responsibility for preparing the business for crisis management and prevention, and for coordinating the response of the business in the event of an emergency.
- Each business leader shall appoint a director of security with extensive law enforcement and security experience and professional capabilities to deal with evolving security risks.
- Corporate Security (Fairfield) will ensure consistent security levels throughout the Company and will act as a resource for security directors assigned to the businesses.

People:

TOP

- Each business shall implement effective measures to protect employees and other persons from terrorist or other criminal risk, including:
  - measures for safely screening and managing the flow of mail, packages and other correspondence and for training employees in the proper handling of suspicious items
  - evacuation procedures, providing clear and timely instructions to ensure personal safety in the event of a security incident
  - timely medical counseling and assistance
  - steps to minimize the risk of workplace violence
  - steps to address travel-related security risks
  - a process for gathering and tracking information on persons or groups who have expressed unusual interest in the company or its personnel and for sharing such information with security personnel throughout the company
- Each business shall adopt appropriate measures for screening the backgrounds of employees, contractors and other persons involved in Company matters.
- Each business shall ensure that employees travel to higher risk locations only with appropriate approval of the business and relevant National Executive, and that the business has implemented an automated system for tracking the locations of employees traveling on business. National Executives responsible for Level I and II countries shall, in consultation with the businesses, adopt contingency plans for the emergency evacuation of employees and their families.

See http://webp50.corporate.ge.com/corpsecurity.

Facilities:

- Each business shall implement a system for ensuring that only authorized personnel are permitted in GE facilities and that access to sensitive areas within such facilities is appropriately limited. This shall include photo identification cards for employees and separate identification cards for contractors and visitors, including, where feasible, electronic badging systems.
- Each freestanding GE facility must have adequate perimeter and internal security.
- Each GE facility must have an identification or pass system for controlling access by cars, trucks, and other modes of transportation.
- Each business, in consultation with Corporate Environmental Programs, shall identify each site that, because of the nature of its operations, poses a heightened risk of personal injury or property damage to the community in which the facility is located. The business shall ensure that physical security measures, commensurate to the risks associated with such sites, are implemented and that an appropriate emergency response plan has been implemented at each such facility. In particular, for any higher risk areas within a site, there shall be procedures to ensure that only authorized personnel have access to such areas.

Information Security:

- Each business shall put in place appropriate controls and recovery procedures to guard critical data.
- Each business shall institute appropriate measures to protect servers, networks, and other elements of its information security infrastructure from sabotage.
- Each business shall establish redundant systems, as appropriate, to protect critical elements of its information security system.
- Upon disposition or retirement of system assets, all data (user data, configuration files, etc.) should be erased and protected from recovery.
- Each business shall ensure the implementation of all of the elements of the Corporate Information Security Procedure. http://integrity.ge.com/ombuds/Security.htm

Supply Chain:

- Each business shall have in place, as part of the comprehensive plan, measures to assure the continuity of the supply chain.
- The supply chain component of the plan shall include plans for sufficient buffer inventory and supplies (minimum of five days, but may be more depending on the needs and demands of the particular business); for alternate sources of air transport (and priority on regular carriers upon a resumption of service if all service is interrupted); and for alternate sources of supply where necessary.
- Each business shall, at a minimum, ask key suppliers to consider adopting their own security and crisis management policy and, as appropriate, shall share best practices with such key suppliers.

Crisis Decision-Making and Communication:

- Each business, as part of the comprehensive plan, shall have in place plans for decision-making and communication relating to the other elements of the plan. Of special importance is the component of the plan outlining the measures to be taken to respond to an emergency. The purpose is to mitigate the conditions posed by an emergency and to ensure timely and effective response and communication while the emergency condition exists.
- The crisis management team should be headed by the business leader, with direct support from the crisis management leader, and should normally include EHS, IT, security, communications, HR, legal, sourcing and medical representation.
- This decision-making and communication component of the comprehensive plan shall include, at a minimum, the following elements:
  - a crisis command center
  - a designated cross-functional crisis management team
  - detailed contingency plans, where feasible, for emergency response and communication, including plans for communication with employees, customers, share owners, government officials, members of the community and the media
  - plans for appropriate coordination with law enforcement and public safety officials
  - business continuity plans
  - delegations of authority in the event of the incapacity of the business leader
  - a web-based crisis management site with the process and information on crisis response
  - training of designated leaders in crisis management

Related Policies and Procedures:

Environment, Health & Safety (Policy 20.3)
Information Security Procedure
Controllership (Policy 30.7)

Resources:

- Corporate Security
- Corporate Medical Services
- Information Management Council
- Corporate Environmental Programs
- Corporate Public Relations
- Corporate Legal

Introduction

And Quick Start Guide

GE Corporate

Crisis Management - Risk Vulnerability Assessment Tool

Module I - Prevention (Security & Site Hardening)

This self assessment is a simple way to identify general security risks at your site and to determine if your site meets the minimum recommended GE Corporate Security and Site Hardening guidelines. Please review the following 5 easy steps on how to use this tool.

1) Complete the **Site Information** section below. Provide as much information as possible.

2) Complete the questions on the **Risk Criticality Assessment** page. Answer every question as accurately as possible. Leave no question unanswered. After completing this page you may view the **Security CTQ's** page to identify your Risk Profile. There is no input required on the Security CTQ's page. Clicking the headings of each Risk Profile column will open the documentation for that Risk Profile category.

3) Complete the questions on the **Self Assessment** page. Please note that you must answer all questions in order to complete the assessment and receive a baseline score for each Security Category.

4) Click the **Gap Analysis** page to review your report. CTQ requirements which are not met will be brightly colored. Use the appropriate columns to create an action plan and schedule in order to meet the minimum requirements. For more detailed information on the GE Corporate Security and Site Hardening guidelines for your Risk Profile click the link that matches your Risk Profile at the top of the GAP Analysis page.

5) Finally, provide an inventory of the existing security equipment in your facility on the page marked **Inventory**. If your facility does not have a the equipment requested, leave that entry blank. Please provide as much information on this page as possible. A section is provided for free form notes and comments. ***This tool is to be used as a guide for minimum security and site hardening standards. It is your responsibility to evaluate all risks at your site. This tool and and the GE Corporate Security and Site Hardening guidelines are not a total security solution and further security evaluations may be required.***

Site Information

Business Component:	Corporate Environmental Programs
Sub Component:	
Location Name:	Area 28 Remedial Action
Street Address:	Krouner Road
City:	Nassau
State:	New York
Zip:	12123
Country:	US United States
Facility Manager:	Edward K. LaPoint
Facility Manager Telephone:	518-862-2734
Facility Manager Dialcomm:	232-2734
Security Contact:	Edward K. LaPoint
Component Crisis Management Leader:	Edward K. LaPoint
Component CML Telephone:	518-862-2734
Component CML Dialcomm:	232-2734
Owned, Leased or Operated*:	
Sole Tenant or Multi-Tenant:	
Other GE Businesses at this Location:	
Police Department Having Jurisdiction:	NYS Police/Rens. Co. Sheriff
Location of Nearest Fire Dept:	Hoags Corners FD/ Route 66
Number of Employees:	1
Number of Contingent Workers:	10
Total Site Occupancy:	11
Total Site Square Footage:	27,878

Risk & Criticality Assessment

Corporate Environmental Programs
Krouner Road
Nassau

Question	Answer
What country is your facility located in?	US United States
This facility houses business processes that have been rated High, Medium or Low criticality (please use the highest rated process)?	Low Criticality
This facility is located in a region that would be described as Urban, Suburban or Rural?	Rural
This facility is located in an area that would be described as Industrial, Commercial, Office Building Downtown, or Office Park?	Residential
This facility could be described as what type of site?	Light Manufacturing
What is the proximity of this facility to major tourist attractions or a major landmark?	0 to 300 feet
What is the estimated response time for of emergency services?	6 to 10 min
What is the estimated daily volume of visitors to this building?	Low (6-50)
Is this facility located near a major highway?	Light Use Highway
What is the proximity of this facility to an active railroad line?	5+ miles
Is this facility located near a major water route or deep water harbor?	None Nearby
Is this facility located near a major military installation?	no installation nearby
Is this facility in the normal flight patterns of commercial or military aircraft?	Sometimes
Is there a nuclear power plant, nuclear reactor, or nuclear waste facility located within 50 miles of this facility?	No
What is the proximity of this facility to a retail gasoline outlet?	1 to 3 miles
What is the proximity of this facility to large fuel storage tanks (more than 1000 gallons capacity)?	1 to 3 miles
What is the proximity of this facility to hazardous chemicals stored in excess of five gallons?	300 feet to 1 mile
What is the proximity of this facility to hazardous chemicals used in manufacturing or research functions at or nearby your business operations?	None nearby
What is the level of crime that has occurred within the last 12 months within the vicinity of this facility? (off property)	None
During the last 12 months, what is the frequency of crime against people at this facility? (Examples include: assault, rape, battery, etc.)	None
During the last 12 months, what is the frequency of crime against property at this facility? (Examples include: vandalism, sabotage, theft, etc.)	None
Has an employee, contingent worker, or visitor ever voiced concern about feeling unsafe going to or from their vehicle at this facility?	No
Has an employee, contingent worker, or visitor ever voiced concern about a recurring security issue?	No
Is there a general perception that the area where this facility is located is "safe" and "secure"?	Yes
Are there special security needs (which may be caused by facility location, GE business functions, or other factors) that should mandate consideration for additional security precautions at this facility?	No
What is the value of GE assets (tangible/intangible) maintained or used at this facility (excluding real estate and building value)?	Less than 1 million
Are there any assets at this location that have a historic or intangible value?	No
Does this facility contain expensive assets or hard to replace equipment that are vital to company business processes? (Examples include: servers, application systems, etc.)	No
What is the number of GE employees and contingent workers employed at this facility?	1 to 24
This facility is occupied by GE Business groups only or 1 or more non-GE tenants?	1 or more non-GE tenants
Risk Factor:	**Medium**

Proceed to 4) Self Assessment

Security CTQ's

Corporate Environmental Progran | Krouner Road | Nassau

Security Categories	High	Medium High	Medium	Low
			Use This Column	
Access Control	1) All Employees & Full-Time Contingent Workers Must Wear GE-Issued Photo ID Badges.	1) All Employees & Full-Time Contingent Workers Must Wear GE-Issued Photo ID Badges.	1) All Employees & Contingent Workers Must Wear GE-Issued Photo ID Badges.	1) All Employees & Contingent Workers Must Wear GE-Issued Photo ID Badges.
	2) All Visitors & Casual Vendors Must Wear Non-Photo ID Badge.	2) All Visitors & Casual Vendors Must Wear Non-Photo ID Badge.	2) All Visitors Must Wear Non-Photo ID Badge.	2) All Visitors Must Wear Non-Photo ID Badge.
	3) Visitor Control and Exit Tracking Procedures	3) Visitor Control and Exit Tracking Procedures	3) Visitor Control and Exit Tracking Procedures	3) Visitor Control and Exit Tracking
	4) Contingent Workers Follow Visitor Rules Unless Possessing GE-Issued Photo ID Badge	4) Contingent Workers Follow Visitor Rules Unless Possessing GE-Issued Photo ID Badge	4) Contingent Workers Follow Visitor Rules Unless Possessing GE-Issued Photo ID Badge	4) Contingent Workers Follow Visitor Rules Unless Possessing GE-Issued Photo ID Badge
	5) Un-sponsored Visitors Should be Escorted at All Times Within the Premises	5) Un-sponsored Visitors Should be Escorted at All Times Within the Premises	5) Un-sponsored Visitors Should be Escorted at All Times Within the Premises	5) Un-sponsored Visitors Should be Escorted at All Times Within the Premises
Locks & Keys	1) Locks and Key Control Plan to GE Corporate Standards	1) Locks and Key Control Plan to GE Corporate Standards.	1) Locks and Key Control Plan to GE Corporate Standards.	1) Locks and Key Control Plan to GE Corporate Standards.
	2) GE Locking Mechanism (Key Lock, Push Button) On All Perimeter & Restricted Area Doors	2) GE Locking Mechanism (Key Lock, Push Button) On All Perimeter & restricted Area Doors	2) GE Locking Mechanism (Key Lock, Push Button) On All Perimeter & restricted Area Doors	2) GE Locking Mechanism (Key Lock, Push Button) On All Perimeter & restricted Area Doors
	3) Electronic Access Control	3) Electronic Access Control	3) Electronic Access Control	
	4) Individually Programmable Access (Levels)	4) Individually Programmable Access (Levels)	4) Individually Programmable Access (Levels) (if applicable)	
Electronic Security Devices	1) Building Equipped w/ Basic Fire Alarm System	1) Building Equipped w/ Basic Fire Alarm System	1) Building Equipped w/ Basic Fire Alarm System	1) Building Equipped w/ Basic Fire Alarm System
	2) Intrusion Detection System - Door Contact Switches - Electronic Door Hardware - Panic Buttons	2) Intrusion Detection System - Door Contact Switches - Electronic Door Hardware - Panic Buttons	2) Intrusion Detection System - Door Contact Switches - Electronic Door Hardware - Panic Buttons	2) Intrusion Detection System - Door Contact Switches - Panic Buttons
Lighting	1) Entry Point Lighting	1) Entry Point Lighting	1) Entry Point Lighting	1) Entry Point Lighting
	2) Parking Lighting	2) Parking Lighting	2) Parking Lighting	2) Parking Lighting, If applicable
	3) Area Lighting	3) Area Lighting	3) Area Lighting	
	4) Special Purpose Lighting	4) Special Purpose Lighting		
	5) Boundary Lighting			
Uniformed Guards	1) Security Receptionist	1) Security Receptionist	1) Security Receptionist, If Applicable	None
	2) 24x7 Site Security Patrol	2) Roving Patrol, Where Appropriate		
	3) Direct Communication to GE Control Center	3) Direct Communication to Central Station		
Parking	1) Employee Vehicle Registration	1) Employee Vehicle Registration	None	None
	2) Contingent Worker/ Vendor/ Visitor Parking Restrictions	2) Contingent Worker/ Vendor/ Visitor Parking Restrictions		
Perimeter Protection	1) Perimeter Protection Required Around Greatest Available Perimeter (Building Entrances, Landscaping, Fences, Gates)	1) Perimeter Protection Required Around Greatest Available Perimeter (Building Entrances, Landscaping, Fences, Gates)	1) Perimeter Protection Required Around Greatest Available Perimeter (Building Entrances, Landscaping, Fences, Gates)	1) Perimeter Protection Required Around Greatest Available Perimeter (Building Entrances, Landscaping, Fences, Gates)
Emergency Support	1) Emergency Generator Back-Up Power and UPS	1) Emergency Generator Back-Up Power and UPS - Site Dependent	1) UPS Back-up for Mission Critical Equipment	1) UPS Backup for Mission Critical Equipment - Site Dependent
Security Staffing	1) Security Manager	1) Security Manager	1) Security Manager Assignment	1) Security Manager Assignment
	2) Site/Facility Security Contact	2) Site/Facility Security Contact	2) Site/Facility Security Contact	
	3) Security Director (SD)			
CCTV	1) CCTV System 2) CCTV Recording 3) On Site Monitoring	1) CCTV System 2) CCTV Recording 3) On Site Monitoring	1) CCTV System 2) CCTV Recording	None

Proceed to 4) Self Assessment

Self Assessment (Baseline)

Corporate Environm | Krouner Road | Nassau

Summary	
Risk Factor	**Medium**
Security Category	**Status**
Access Control	[illegible]
Locks and Keys	[illegible]
Electronic Security Devices	[illegible]
Lighting	Meets CTQ
Security Staffing	[illegible]
Building Exterior/Landscape	[illegible]
Parking	[illegible]
Perimeter Protection	[illegible]
Emergency Support	Meets CTQ
CCTV	[illegible]

You must answer all questions in each section in order to complete tool

Question Number	Question	Answer	Guide Note	Comments
Access Control				
1	Are all employees and full-time contingent workers required to wear photo ID badges at all times while on company premises?	No	Photo ID badges can double as access control badges which can be used to unlock doors.	
2	Are temporary non-photo ID badges required for all casual vendors and visitors?	No	ID badges can double as access control badges which can be used to unlock doors and can be programmed to auto-terminate.	
3	Is a visitor log-in and log-out procedure required?	Yes	Log sheet or other mechanism for tracking visitor arrival times. Could be sponsor program.	
4	Are all non-sponsored visitors required to be escorted?	Yes	Visitors should not be allowed to "roam".	
5	Are contingent workers treated as visitors unless possessing a valid GE issued badge?	No	Contingent workers are visitors unless contracted for 90 days or more.	
6	Does the facility utilize one main entrance for visitors?	Yes	Visitors should all be routed through a common area.	
7	Is the main entrance to your facility equipped with electronic access control?	No	Primary employee entrance.	
8	If yes, are you required to use the electronic access system to access the facility 24/7 ? If you do not have electronic access control please answer "No."	No		
9	Is your perimter equipped with electronic access control?	No	Card access system for perimter and sensitive restricted areas. Perimeter is defined as the outermost perimeter of your leased or owned responsibility. I.e. suite, office, building, series of buildings or campus.	
10	If you have an electronic access control system, is it regularly audited for expired, duplicate and suspended badges? If you do not have a electronic access control system, please answer "No."	No	System must be kept up to date in order to function properly.	
11	If you have an electronic access control system, is it regularly backed up? If you do not have a electronic access control system, please answer "No."	No	Data kept safe in case of equipment failure.	
12	If you have an electronic access control system, are access control cards programmed to allow the minimum level of access needed for the cardholder to carry out their work and related tasks? If you do not have a electronic access control system, please answer "No."	No	Card holders should only have access to areas of the facility needed in their daily routine.	
13	Are delivery entrances separate from employee and/or public entrances?	No		
14	Do you have electronic access control to all sensitive or restricted areas (I.e. Electrical or mechanical closets, telephone rooms, server rooms, etc.) within this facility?	No	Sensitive or restricted areas are those areas within the building which have data, information, people or assets that need to be protected or access restricted.	Only hub room. E3 needs access controls.
15	If you have an electronic access control system, are all electronic access control egress points equipped with CCTV coverage that shows the face of the individual leaving the building? If you do not have a electronic access control system, please answer "No."	No	This allows matching of faces to badges in case of lost/stolen badge use.	
16	Are electrical closets and mechanical rooms kept locked at all times?	No	Never allow general access to facility utilities.	
17	Are exterior doors "routinely" being propped open?	No	Locks only work if doors are closed.	
18	Are perimeter doors and any door leading into a restricted area (I.e. TeleData, Mechanical) equipped with a key lock or combination code mechanism?	Yes	Some form of security should be on these doors.	
19	Do you track who enters or leaves all sensitive or restricted areas in the facility?	Yes		
Locks and Keys				

Self Assessment (Baseline)

Corporate Environm | Krouner Road | Nassau

Summary	
Risk Factor	Medium
Security Category	Status
Access Control	Partially Meets CTQ
Locks and Keys	Partially Meets CTQ
Electronic Security Devices	Partially Meets CTQ
Lighting	Meets CTQ
Security Staffing	Does Not Meet CTQ
Building Exterior/Landscape	Partially Meets CTQ
Parking	Does Not Meet CTQ
Perimeter Protection	Partially Meets CTQ
Emergency Support	Meets CTQ
CCTV	Partially Meets CTQ

You must answer all questions in each section in order to complete tool

Question Number	Question	Answer	Guide Note	Comments
46	Are Security Guards on duty 24 hours a day, 7 days a week?	No		
47	Is a roving patrol utilized where appropriate?	No	Patrolling guard or guards.	
48	Does the roving patrol have direct communication to a Central Station?	No	Roving security should always have communications.	
Building Exterior/Landscape				
49	Is the building entrance designed to prevent cars from driving up to or into the lobby?	No	Prevent intruders from using vehicles as battering rams.	
50	Is landscaping neatly maintained at building entrance and exits at this facility?	No	Prevent intruders from using vegetation for concealment.	
51	Are air intakes located at the highest practical level to reduce the risk of airborne contaminants being introduced into the ventilation system?	No	The higher the air intake, the less risk of contaminantation since most contaminants are heavier than air and tend to accumulate in low areas	
52	Are incoming site utilities concealed or encased?	No	Protect or hide utilities to prevent access by intruders.	
53	Is the emergency generator, if any, located away from high threat areas such as loading docks, entrances, or parking areas?	No	In case of explosion, generator should still be operational.	
54	If there is a helipad on campus, is there a clear zone of at least 500 yards in every direction of the helipad? If you do not have a helipad, please answer "No."	No	Eliminate potential hiding places around sensitive areas	
Parking				
55	Is the parking area owned and maintained by GE?	Yes	Can GE make changes to the area.	
56	Is the parking area regularly patrolled by security personnel?	No		
57	Do the parking areas have security personnel to escort employees to their vehicle after hours?	No		
58	Do the parking areas have physical structures such as trees, shrubs, or columns that may obstruct viewing by security personnel or CCTV cameras?	Yes	Deny hiding places to possible intruders.	There are columns in the parking garage.
59	Are the parking areas in a clear line of sight from the building?	Yes	Easily seen by security or other personnel	The parking garage is below the building.
60	Is the parking area contained within a perimeter fence?	No	Prevents casual intruders.	
61	Are emergency call boxes provided in the parking area?	No	Remote intercom phones that dial direct to security	
62	Does the parking lot use electronic card access control and vehicle gates to gain access?	No	Not necessarily tied to the facility system. Could be a third party parking deck etc.	
63	Are there physical barriers separating parking areas and the facility grounds and building?	No	Could be bollards, rails, or natural dividers like trees, or ponds.	
64	Are personal vehicles allowed to park near the loading dock?	No		
65	Is a database of employee vehicle registrations maintained?	No	For evidence gathering. Ability to link vehicles to authorized personnel.	
66	Are contingent worker/vendor/visitor parking restrictions in place?	Yes	Keep GE personnel vehicles separate from visitors or temporary personnel vehicles.	Signage designates that visitors should park out front, however nothing restricts them from parking in the garage.
Perimeter Protection				
67	Does the facility have perimeter fencing?	No	First line of defense for high risk facilities.	
68	Is the overall height of the perimeter fence over 7 feet in height?	N/A	Prevents easily jumping fence.	
69	Does the fence have a 3-4 strand barbed wire top guard?	N/A	Prevents easily scaling fence.	
70	Is there at least a 10 foot clear zone along the fence line free of vegetation and climbing aids?	N/A	Allow easy viewing of anyone approaching fenceline.	
71	Does the fence have any culvert or open ditches which are not covered by the fence?	No	These are holes in your fence.	
72	Is the fence taut and securely fastened to rigid metal posts set in concrete?	N/A	Fence is solid and in good repair.	
73	Does the fence construction create a visual obstruction to the other side?	N/A	Can you see clearly through the fence.	
74	Is erosion present along the fence line?	N/A	Erosion can weaken and undermine the fence.	
75	Are there gates located along the fence line?	No		
76	Are the gates along the fence line made from the same material as the fence?	N/A		

Self Assessment (Baseline)

Corporate Environ: Krouner Road Nassau

Summary	
Risk Factor	Medium
Security Category	Status
Access Control	Protection Gap Identified
Locks and Keys	Protection Gap Identified
Electronic Security Devices	Protection Gap Identified
Lighting	Meets CTQ
Security Staffing	Protection Gap Identified
Building Exterior\Landscape	Protection Gap Identified
Parking	Protection Gap Identified
Perimeter Protection	Protection Gap Identified
Emergency Support	Meets CTQ
CCTV	Protection Gap Identified

You must answer all questions in each section in order to complete tool

Question Number	Question	Answer	Guide Note	Comments
77	Are the gates along the fence line kept locked and secure at all times?	N/A		
78	Is CCTV coverage provided along the fenced line or around the perimeter?	N/A	Closed Circuit TeleVision.	
79	Is the lighting level sufficient for CCTV coverage?	No	Can the CCTV cameras monitor the fenceline during darkness.	
80	Are intrusion detection alarms used for perimeter protection?	No		
Emergency Support				
81	Does the facility have emergency generator back-up power in the event of a power outage?	N/A		
82	Does the facility have UPS systems in place for mission critical equipment?	N/A	Protection on servers and computers deemed critical.	
CCTV				
83	Is CCTV/surveillance utilized at the site?	No	Closed Circuit TeleVision	
84	Is CCTV coverage provided for the primary entrance at this facility?	No	Allow monitoring of incoming and outgoing personnel.	
85	Is the CCTV system actively monitored on site?	No	Security console on site.	
86	Is the CCTV system archived to a VCR or digital recorder?	No	Save video for evidence gathering.	
87	Does the CCTV system interface with the alarm or access control system?	No	Can cameras be set to respond in the event of an alarm.	
88	Has there ever been an incident which required the use of archived video?	No	Was the video tape or archived data used in an investigation	
89	If so, was it usable?	No	Are the archived tapes fulfilling their intended purpose.	

Proceed to 4) Self Assessment

Gap Analysis

Corporate E | Krouner Road | Nassau

Risk Profile : Medium

Links to Risk Profile CTQ documentation:

High Risk Profile

Medium-High Risk Profile

Medium Risk Profile

Low Risk Profile

Security Categories	CTQ's	CTQ Met?	Action Plan to Address Gap	Owner(s)	Timing	Security Equipment Needed?	What Type Of Equipment?
Access Controls	1) All Employees & Contingent Workers Must Wear GE-Issued Photo ID Badges.	No	All site personnel entering the site must wear badges or company uniforms	EKL, CRT, KH	Immediate	No	
	2) All Visitors Must Wear Non-Photo ID Badge.	No	All visitors must sign in and be escorted by supervisory personnel	EKL, CRT, KH	Immediate	Yes	Placard stating sign in/escort procedures
	3) Visitor Control and Exit Tracking Procedures	Yes					
	4) Contingent Workers Follow Visitor Rules Unless Possessing GE-Issued Photo ID Badge	No	see 1) above	EKL, CRT, KH	Immediate	No	
	5) Un-sponsored Visitors Should be Escorted at All Times Within the Premises	Yes					
Locks & Keys	1) Locks and Key Control Plan to GE Corporate Standards.	No	Ensure trailers and equipment locked when not in use.	EKL, CRT, KH	Immediate	Yes	Pump lockouts
	2) GE Locking Mechanism (Key Lock, Push Button) On All Perimeter & restricted Area Doors	Yes					
	3) Electronic Access Control	No	Not applicable				
	4) Individually Programmable Access (Levels) (if applicable)	No	Not applicable				
Electronic Security Devices	1) Building Equipped w/ Basic Fire Alarm System	No	Provide fire extinguishers on site	CRT, KH	Immediate	Yes	fire extinguishers
	2) Intrusion Detection System - Door Contact Switches - Electronic Door Hardware - Panic Buttons	No	Not applicable				
Lighting	1) Entry Point Lighting	Yes					
	2) Parking Lighting	Yes					
	3) Area Lighting	Yes					
Uniformed Guards	1) Security Receptionist, If Applicable	No	Not applicable				
Parking	None	No	Not applicable				
Perimeter Protection	1) Perimeter Protection Required Around Greatest Available Perimeter (Building Entrances, Landscaping, Fences, Gates)	No	Ongoing, periodic inspection of site perimeter, coordinate with property caretaker for non working hours monitoring of site	EKL, CRT, KH	Immediate	No	
Emergency Support	1) UPS Back-up for Mission Critical Equipment	Yes	Not applicable				
Security Staffing	1) Security Manager Assignment	No	Assign security duties to onsite personnel	EKL, CRT, KH	Immediate	No	
	2) Site/Facility Security Contact	No	Assign security duties to onsite personnel	EKL, CRT, KH	Immediate	No	
CCTV	1) CCTV System	No	Not applicable				
	2) CCTV Recording	No	Not applicable				

Proceed to B) Inventory

Inventory

Please provide basic equipment information in order for Corporate to obtain a complete baseline.

Corporate Environmenta **Krouner Road** **Nassau**

Card Access Software	Title			
Operating System	none			
Application	none			
Card Access Hardware	Manufacter, Make, and Model		Type	How many
Readers	none			
Panels	none			
Intrusion Detection System	Manufacter, Make, and Model			
Burglar Alarm	none			
CCTV System	Manufacter, Make, and Model		Exterior	Interior
Cameras	none			
Recorder	none			
Vendors	Company		Contact	Phone
Card Access System	none			
Intrusion Detection System	none			
CCTV System	none			

Additional Notes

Site is a rural remedial action project. Very few security risks present. Security devices listed above not needed for this site.

Crisis Communication Worksheet
CEP Remedial Sites

How is your CEP remedial site identified in the community?

Area 28 Remedial Action

What is the exact address of your CEP remedial site?

Area 28 Remedial Action
Krouner Road
Nassau, New York 12123

Provide an estimate of the size of any buildings and/or equipment pads at the CEP remedial site (Approximate sq. ft. of buildings and equipment pads).

10,900 (equipment pad of 10,000, three construction trailers of 900)

Provide the approximate number of GE and/or contractor employees located at the site? (Identify the approximate number of GE employees and/or contractors that are located at the facility on a daily basis, if any. Also identify the approximate number of GE Employees and/or contractors that visit the site on a periodic basis and identify the frequency of their visits)

10

Provide a very brief identification of the activities conducted at your CEP remedial site (groundwater pump and treatment, soil vapor extraction and treatment, sampling of monitoring wells, etc).

Specific Remedial Project – excavation of PCB containing soils and sediments

---

List key methods used to communicate with GE employees and/or contractors in an emergency (Attach a list of phone numbers and/or telephone tree, etc.).

Project Specific Health & Safety Plans

List name of Crisis Communication Lead, CEP Remedial Project Manager and Contractor Project Manager and provide emergency contact information for each

Edward K. LaPoint, PE
Office 518-862-2734
Home 518-656-3059
Cell 518-744-4411
Pager 518-446-8428

Crisis Communication Lead for Most Remedial Sites:

Gary Sheffer: Office # (203) 373-3476
Home # (203) 924-7520
Cell # (203) 253-9299

Process/Product
Failure Modes and Effects Analysis
(FMEA)

Project Name:	Area 28 Remedial Action
Responsible:	Edward K. LaPoint, P.E. - Project Manager

Prepared by: Edward K. LaPoint, P.E. - Project Manager	Page 1 of 1
FMEA Date (Orig) 9/23/03 (Rev)	

Process Step	Key Process Input	Potential Failure Mode	Potential Failure Effects	SEV	Potential Causes	OCC	Current Controls	DET	RPN	Actions Recommended	Resp.	Actions Taken	SEV	OCC	DET	RPN
What is the process step	What is the Key Process Input?	In what ways does the Key Input go wrong?	What is the impact on the Key Output Variables (Customer Requirements) or internal requirements?	How Severe is the effect to the customer?	What causes the Key Input to go wrong?	How often does cause or FM occur?	What are the existing controls and procedures (inspection and test) that prevent either the cause or the Failure Mode? Should include an SOP number.	How well can you detect cause or FM?		What are the actions for reducing the occurrence of the Cause, or improving detection? Should have actions only on high RPN's or easy fixes.	Whose Responsible for the recommended action?	What are the completed actions taken with the recalculated RPN? Be sure to include completion month/year				
Water Diversion	Water in Valatie Kill	Flow above diversion capacity - dam intact	Suspends soil removal, may impact worker safety	5	Heavy rains	2	Daily inspections and maintenance, weather review, removal option, HASP procedures	2	20	None - use Current Controls	EKL	N/A	5	2	2	20
Water Diversion	Water in Valatie Kill	Flow above diversion capacity - dam fails	Suspends soil removal, may impact worker safety	10	Heavy rains, vandalism, terrorism	2	Daily inspections and maintenance, weather review, removal option, HASP procedures	2	40	None - use Current Controls	EKL	N/A	10	2	2	40
Soil removal	Soil containing PCBs	Inadvertent release during loading, transport on site, staging	Contaminates other areas of the site	2	Poor handling practices, accidents	2	Handling controls, site control features, decon procedures, continued diligence	2	8	None - use Current Controls	EKL	N/A	2	2	2	8
Soil transport (off site)	Soil containing PCBs	Accidental release during transport	Contaminates off site area	5	Poor driving/load securing practices, accident	2	GE-approved hauler to be used, DOT regulations in effect	4	40	None - use Current Controls	EKL	N/A	5	2	4	40
Power Loss	Trailer use, lighting	Offsite power loss or onsite power loss	Suspends trailer and lighting use, worker safety risk if loss caused onsite	2	Weather, onsite accident, vandalism, terrorism	2	Onsite controls are HASP procedures, lines buried or installed out of equipment reach	1	4	None - use Current Controls	EKL	N/A	2	2	1	4
HVAC	Trailer use	Mechanical or power failure	Suspends HVAC use	1	Mechanical, weather, onsite accident, vandalism, terrorism	1	Trailer maintained by vendor, onsite controls are HASP procedures	1	1	None - use Current Controls	EKL	N/A	1	1	1	1
Telephone	Communications	Phone lines damaged off or onsite	Suspends phone use	2	Weather, onsite accident, vandalism, terrorism	1	Phone lines maintained by utility, onsite controls are HASP procedures, cell phones are onsite	1	2	None - use Current Controls	EKL	N/A	2	1	1	2
Data Loss	Site activities log and site data	Fire or electrical damage	Destroys/damages paper and electronic data	2	Weather, onsite accident, vandalism, terrorism	1	Copies of data uploaded to office files regularly, onsite controls are HASP procedures	1	2	None - use Current Controls	EKL	N/A	2	1	1	2
Building Access Loss	Trailer use	Fire or electrical damage	Destroys/damages trailer(s)	3	Weather, onsite accident, vandalism, terrorism	1	Onsite controls are HASP procedures	1	3	None - use Current Controls	EKL	N/A	3	1	1	3
Site Access Loss	Execution of Remedial Action	Anthrax, explosion, flood	Suspends use of site and execution of Remedial Action	5	Weather, onsite accident, vandalism, terrorism	1	Onsite controls are HASP procedures	1	5	None - use Current Controls	EKL	N/A	5	1	1	5
Regional Disaster	Execution of Remedial Action	Nuclear disaster, ice storm, tornado, etc	Suspends use of site and execution of Remedial Action	10	Weather, onsite accident, vandalism, terrorism	1	Onsite controls are HASP procedures	1	10	None - use Current Controls	EKL	N/A	10	1	1	10
Country Crisis	Execution of Remedial Action	Civil war, outside party war	Suspends use of site and execution of Remedial Action	10	Government action	1	N/A	1	10	None - use Current Controls	EKL	N/A	10	1	1	10
									0				0	0	0	0
									0				0	0	0	0
									0				0	0	0	0
									0				0	0	0	0
									0				0	0	0	0
									0				0	0	0	0

APPENDIX C

Transporter's Documentation Verifying Compliance with 49 CFR Part 172

APPENDIX D

Site-Specific HMTSP Training Record Form

HAZARDOUS MATERIALS TRANSPORTATION SECURITY PLAN

GE CORPORATE ENVIRONEMNTAL PROGRAMS - REMEDIAL SITES

Training Certification Sheet and Roster of Approved Personnel – Hazardous Materials Transportation Security Plan

Area 28 Remedial Action Site

I acknowledge that I have been provided a copy of the site-specific Hazardous Materials Transportation Security Plan (HMTSP) that has been prepared by GE for the Site indicated above, and that I have received site-specific training with regard to the HMTSP contents. I have read and understand the procedures and requirements contained in the HMTSP, and agree to follow the plan while present at the Site, particularly when accessing and handling hazardous materials or hazardous wastes.

Employee/Contractor Name	Signature	Company	Date	Phone

The individuals listed above are authorized to handle hazardous materials on the Site property, including shipping hazardous materials on behalf of GE.

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau D, 12th Floor
625 Broadway, Albany, New York 12233-7013
Phone: (518) 402-9814 • **FAX:** (518) 402-9819
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

AUG 13 2003

RECEIVED - ALBANY

AUG 14 2003

GE CORPORATE
ENVIRONMENTAL PROGRAMS

Mr. Edward K. LaPoint, P.E.
General Electric Company
GE Corporate Environmental Programs
323 Great Oaks Office Park, Suite 323
Albany, New York 12203

RE: Area 28 Remedial Action
Request for Proposal
Site No. 4-42-006

Dear Mr. LaPoint:

The above-referenced RFP is compliant with the approved Remedial Action Work Plan, has been reviewed by Department staff, and is hereby approved.

Department staff, Russ Shaver or myself will be providing State oversight of the construction activities to be performed by SLC beginning August 18, 2003.

Status meeting should continue on a weekly basis. If you wish to contact me by telephone, please call me at (518) 402-9813 until my direct line is reactivated.

Sincerely,

James N. Ludlam, P.E.
Project Manager, Remedial Section C
Remedial Bureau D
Division of Environmental Remediation

cc: K. Goertz - NYSDEC, Region 4
R. Shaver - NYSDEC, Region 4
R. Sloan - NYSDEC, CO
D. Munro - AG's Office
A. Bolensz - AG's Office
M. VanValkenburg - NYSDOH
J. Crua - NYSDOH

NYSDEC Area 28 Post Construction PCB Soil Sampling Protocol

This protocol sets forth procedures for NYSDEC determination and collection of post construction PCB soil samples during the Area 28 Remedial Action. This protocol may be adjusted upon mutual consent between NYSDEC and GE and/or based on encountered field conditions.

- Sample locations will be chosen by NYSDEC and collected and analyzed by GE or its consultants.
- Samples will be collected as composites from 0 to 6 inches below grade of removal polygon bottoms at selected locations. Additional 6-inch intervals may be selected below the first interval based on analytical results (see below)
- Samples will be collected with clean stainless steel equipment and will be submitted for PCB analysis for expedited turnaround.
- It is anticipated that samples will be collected from approximately 20% of the removal polygons (i.e., 7 to 8 locations). Historically, samples have been collected at an average 17% frequency on other Remedial Action projects:
    - Mead Road Pond IRM - 45% (14 of 31 total polygons were sampled)
    - T11A RA - 9% (10 of 107 total polygons were sampled)
- Samples will not be collected from any removal areas until health and safety concerns are met.
- Samples will be collected from a variety of locations, including TSCA and Non-TSCA polygons, each side of or from within the Valatie Kill and from a range of depths below grade.
- Professional judgment, remedial goals, and sample location (i.e., depth, site location, lithologic horizon) will be factors used to determine if additional removal is warranted following receipt of sample data.
- It is anticipated that results requiring additional removal, following data assessment using the factors above, will be mitigated by approximate 2 foot by 2 foot by 6-inch excavation around the location in question, followed by additional sampling per this protocol.

Appendix B

Representative Photographs

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engineers, scientists, economists

August 19, 2003 – Southern View: Cleared area along the eastern bank of the Valatie Kill

August 20, 2003 – Northeastern View: SLC building the access road

August 20, 2003 – Northeastern View: SLC's continued progress with construction of the access road

August 20, 2003 – Northern View: Silt fence anchored with sand bags

August 22, 2003 – Southern View: SLC installed hay bales along the eastern perimeter of the access road adjacent to the caretaker's home

September 3, 2003 – Northwestern View: Bladder dam installed

September 3, 2003 – Southeastern View: SLC's, initial, temporary water diversion discharge off the eastern bank of the Valatie Kill, NYSDEC approved

September 4, 2003 – Northeastern View: Installing jersey barriers on the MSDP to serve as a driveway ramp

September 9, 2003 – Northwestern View: Dewatering of area downstream of dam

September 9, 2003 – Southeastern View: SLC placing excavated material on MSDP

September 9, 2003 – Southern View: SLC direct-loading excavated material from polygon NA-60 onto dump-truck

September 10, 2003 – Northeastern View: Excavation of polygon SA-97 with a confirmatory sample point in the center

September 23, 2003 – Southwestern View: Construction of water treatment system

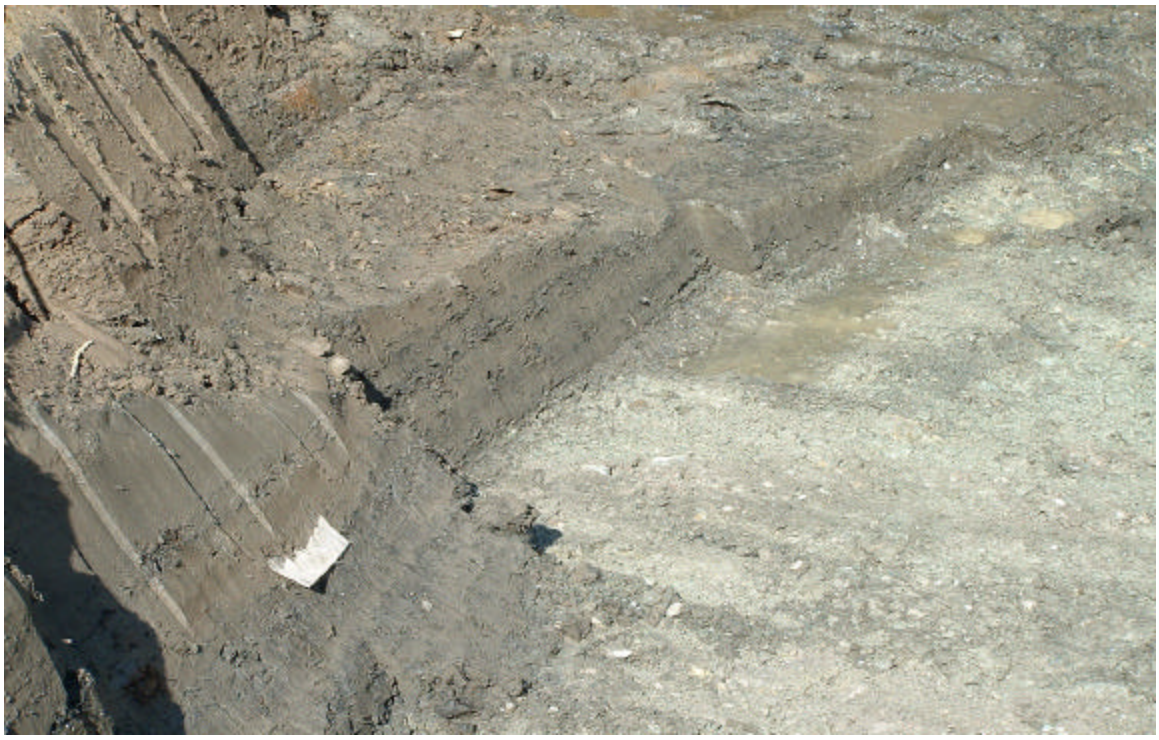
October 2, 2003 – Southwestern View; SLC completed installation of the temporary access road extending across the Valatie Kill for access to NA polygons

October 3, 2003 – Southwestern View: loading out material from MSDP

October 7, 2003 – Eastern View: SLC mixing lime with material on MSDP for stabilization purposes (Lime proved to be an inadequate stabilizing material and after this photograph was taken, cement kiln dust successfully replaced lime as the stabilization material)

October 9, 2003 – Western View: SLC excavation of polygon NA-70 (North Section); SLC excavation of TSCA material (2.5 – 3.5 feet) in polygon NA-61

October 9, 2003 – Northeastern View: Excavation of polygon NA-61



October 10, 2003 – Example of refusal interval in northern section of NA-70 at 5 feet bgs

December 4, 2003 – Northern View; Construction of the crib wall along the eastern edges of polygons NA-71 and NA-78 and along the western edges of polygons SB-47 and SB-48

December 5, 2003 – Northwestern View; SLC installed topsoil on bank above wetland for soft armor and installation in the area of polygons NA-62, NA-70, NA-61, and NA-66

December 10, 2003 – Western View; SLC completed installation of hard armor on the eastern bank at downstream end of Area 28 along polygon NA-75

April 22, 2004 – Wetland restoration in polygons NA-75, NA-76, NA-65, and NA-66

April 22, 2004 – Soft armor, post-construction in polygons NA-75, NA-76, NA-65, and NA-66

April 22, 2004 – Construction of the transverse bar near polygon SB-39

April 22, 2004 – Foreground: Completed transverse bar in polygon SB-39. Background: Intermediate armor installed along the edges of NA-85 and SA-91

May 6, 2004 – Final restoration at polygons NA-75, NA-76, NA-65, and NA-66

May 6, 2004 – Planting trees along streambed bordering polygon SA-72 on the eastern bank of the Valatie Kill

Appendix C

Post-Construction Sampling Data

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engineers, scientists, economists

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NA-61

Lab Name: AES Contract:

Lab Code: AES Case No.: BBL0310 SAS No.: SDG No.: NA-61

Matrix: (soil/water) SOIL Lab Sample ID: 031009042-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A2386

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. 10. dec._____ Date Extracted: 10/09/03

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/09/03

GPC Cleanup: (Y/N) N pH: 6.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	37.	U
11141-16-5	Aroclor-1232	37.	U
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	37.	U
11097-69-1	Aroclor-1254	37.	U
11096-82-5	Aroclor-1260	4.8	J

Adirondack Environmental Services, Inc.®
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: BBL c/o GE Loeffel	Address: 6723 Towpath Rd. Syracuse, NY 13214	
Send Report To: Chris Torell	Project Name (Location) GE Loeffel - Area 28	Samplers: (Names) Scott Sanders
Client Phone No: (315) 446-2570 x 296	PO Number: 100.73.800	Samplers: (Signature)
Client Fax No: (315) 446-7485		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	NA-61	10/9/03	1330	A	Soil	X		1	PCB 8082
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Turnaround Time Request:
☒ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks: Expedited 24 hr. TAT

CC Report To: Chris Torell

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		10/9/03 1:32 pm

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NA-65

Lab Name: AES Contract:

Lab Code: AES Case No.: BBL0310 SAS No.: SDG No.: NA-61

Matrix: (soil/water) SOIL Lab Sample ID: 031010014-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A2411

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 15. dec._____ Date Extracted: 10/10/03

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/10/03

GPC Cleanup: (Y/N) N pH: 6.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	39.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	110.	

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Albany, New York 12207
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Client Name: BBL - GE Loeffel	Address: 6723 Townline Rd., Syracuse, NY 13214	
Send Report To: Chris Torell	Project Name (Location) GE Loeffel. AREA 38	Samplers: (Names) Scott Sanders
Client Phone No: (315) 446-2570 x 386	PO Number: 100.73.800	Samplers: (Signature)
Client Fax No: (315) 446-7485		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	NA-65	10/10/03	10** A P	Soil	X		1	PCB 8082
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Turnaround Time Request: ~~1 Day~~ ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day	Special Instructions/Remarks: Expedited 24 hr. TAT
CC Report To: Scott Sanders, BBL Fax #: 766-7423	
Relinquished by: (Signature)	Received by: (Signature) / Date/Time
Relinquished by: (Signature)	Received for Laboratory by: / Date/Time 10/10/03 1130

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NA-71 (7.0-7.5)

Lab Name: AES Contract:

Lab Code: AES Case No.: BBL0314 SAS No.: SDG No.: NA-71 (7.0-7.5)

Matrix: (soil/water) SOIL Lab Sample ID: 031021002-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A2526

Level: (low/med) LOW Date Received: 10/20/03

% Moisture: not dec. 17. dec._____ Date Extracted: 10/20/03

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/20/03

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40.	U
11104-28-2	Aroclor-1221	40.	U
11141-16-5	Aroclor-1232	40.	U
53469-21-9	Aroclor-1242	40.	U
12672-29-6	Aroclor-1248	40.	U
11097-69-1	Aroclor-1254	40.	U
11096-82-5	Aroclor-1260	56.	

FORM I PEST 1/87 Rev.

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Client Name: BBL / GE Loeffel	Address: 6723 Towpath Rd., Syracuse, NY 13214	
Send Report To: Chris Torell, BBL	Project Name (Location) GE Loeffel - Area 29	Samplers: (Names) Scott Sanders
Client Phone No: 315-446-2570 x256	PO Number: 100.73.800	Samplers: (Signature)
Client Fax No: 315-446-7485		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	NA-71 (7.0-7.5')	10/20/03	440	(P)	Soil	X		1	PCB 8082
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:
X 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks: Expedited 24 HR TAT

CC Report To: Scott Sanders Fax #: 766-0659

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	**Received for Laboratory by:** RS Fuller	**Date/Time** 10/20/03 17:42

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NA-77

Lab Name: AES Contract:

Lab Code: AES Case No.: BBL0310 SAS No.: SDG No.: NA-61

Matrix: (soil/water) SOIL Lab Sample ID: 031014010-001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A2429

Level: (low/med) LOW Date Received: 10/14/03

% Moisture: not dec. 13. dec._____ Date Extracted: 10/14/03

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/14/03

GPC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	38.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	10.	J

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:
BBL c/o GE-Loeffel	6723 Tompath Rd. Syracuse, NY 13214
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Chris Torell BBL	GE Loeffel-Area 28	Chris Torell, Scott Sanders
Client Phone No: (315) 446-2570 x296	**PO Number:**	**Samplers: (Signature)**
Client Fax No: (315) 446-7485	100.73.800	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	NA-77	10/12/03	0819	(A) P	Soil	X		1	PCB 8082
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:

☒ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks

Expedited 24 Hour TAT

CC Report To: Scott Sanders **Fax #:** 766-7422

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
10/14/03, 1000		
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time:**
	Dan R. Tod	10/14/03 10:10a

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NA-79(2.0-2.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: BBL0316 SAS No.: SDG No.: NA-79(2.0-2.5)

Matrix: (soil/water) SOIL Lab Sample ID: NA-79(2.0-2.5)

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 031023034-001

Level: (low/med) LOW Date Received: 10/23/03

% Moisture: not dec. 23. dec._____ Date Extracted: 10/23/03

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/23/03

GPC Cleanup: (Y/N) N pH: 6.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	43.	U
11104-28-2	Arochlor-1221	43.	U
11141-16-5	Arochlor-1232	43.	U
53469-21-9	Arochlor-1242	43.	U
12672-29-6	Arochlor-1248	43.	U
11097-69-1	Arochlor-1254	43.	U
11096-82-5	Arochlor-1260	43.	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-46(4.0-4.5)

Lab Name: AES,INC. Contract:

Lab Code: AES Case No.: BBL0316 SAS No.: SDG No.: NA-79(2.0-2.5)

Matrix: (soil/water) SOIL Lab Sample ID: SB-46(4.0-4.5)

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 031023034-002

Level: (low/med) LOW Date Received: 10/23/03

% Moisture: not dec. 13. dec._____ Date Extracted: 10/23/03

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/23/03

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Arochlor-1016	38.	U
11104-28-2	Arochlor-1221	38.	U
11141-16-5	Arochlor-1232	38.	U
53469-21-9	Arochlor-1242	38.	U
12672-29-6	Arochlor-1248	38.	U
11097-69-1	Arochlor-1254	38.	U
11096-82-5	Arochlor-1260	36.	J

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314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name: BBL / GE Loeffel	Address: 6723 Towpath Rd., Syracuse, NY 13214	
Send Report To: Chris Torell, BBL	Project Name (Location) GE Loeffel - Area 28	Samplers: (Names) Scott Sanders
Client Phone No: 315-446-2570 x 286	PO Number: 100.73.800	Samplers: (Signature)
Client Fax No: 315-446-7485		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	NA-79 (2.0-2.5')	10/23/03	1000	(A) P	Soil	X		1	PCB 8082
002	SB-46 (4.0-4.5')	10/23/03	1115	(A) P	Soil	X		1	PCB 8082
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:
☒ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks
24 HR TAT
Priority on SB-46 Results

CC Report To: Scott Sanders Fax #: 766-7422

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		12:05 10/23/03

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *15-Jan-04*

CLIENT: General Electric Company
Project: Area 28
Lab Order: 030917057

Lab ID: 030917057-001
Collection Date: 9/17/2003
Client Sample ID: SA-69
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(CLP4_PEST)**		Analyst: **KF**
Aroclor 1016	< 170	170		µg/Kg-dry	4	9/17/2003
Aroclor 1221	< 170	170		µg/Kg-dry	4	9/17/2003
Aroclor 1232	< 170	170		µg/Kg-dry	4	9/17/2003
Aroclor 1242	< 170	170		µg/Kg-dry	4	9/17/2003
Aroclor 1248	< 170	170		µg/Kg-dry	4	9/17/2003
Aroclor 1254	< 170	170		µg/Kg-dry	4	9/17/2003
Aroclor 1260	920	170		µg/Kg-dry	4	9/17/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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CHAIN OF CUSTODY RECORD

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Client Name: GE Loeffel / BBL	Address: 6723 Towpath Rd Syracuse NY 13211	
Send Report To: Chris Torell	Project Name (Location) Area 28	Samplers: (Names) Ed Meyer
Client Phone No: 315 446 2570 246	PO Number: 10073800	Samplers: (Signature)
Client Fax No: 315 445-9161		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	SA-69	9/17/03	1:57 (P)	Soil	X		1	PCB 8082
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					

Turnaround Time Request:
☒ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks: 24 hr TAT

CC Report To: Chris Torell

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M. L	Date/Time 9/17/03 25

TEMPERATURE: Ambient or (Chilled)
Notes:

PROPERLY PRESERVED: (Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES: (Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *16-Sep-03*

CLIENT: General Electric Company
Project: Area 28
Lab Order: 030915026

Lab ID: 030915026-001
Collection Date: 9/15/2003
Client Sample ID: SA-85
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(CLP4_PEST)**		Analyst: KF
Aroclor 1016	< 40	40		µg/Kg-dry	1	9/15/2003
Aroclor 1221	< 40	40		µg/Kg-dry	1	9/15/2003
Aroclor 1232	< 40	40		µg/Kg-dry	1	9/15/2003
Aroclor 1242	< 40	40		µg/Kg-dry	1	9/15/2003
Aroclor 1248	< 40	40		µg/Kg-dry	1	9/15/2003
Aroclor 1254	< 40	40		µg/Kg-dry	1	9/15/2003
Aroclor 1260	10	40	J	µg/Kg-dry	1	9/15/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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CHAIN OF CUSTODY RECORD

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Client Name:	Address:	
GE Loeffel / BBL	6723 Towpath Rd. Syracuse, NY 13214	
Send Report To:	Project Name (Location)	Samplers: (Names)
Chris Torell	Area 28	Ed Meyer
Client Phone No:	PO Number:	Samplers: (Signature)
Client Fax No:		Ed Mey

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	SA-85	9/15/03	1:15	(P)	Soil	X		1	PCB 8082
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:
☒ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks: 24 hr. TAT

CC Report To: Chris Torell

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Ed Mey		
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		9/15/03 3:24

TEMPERATURE: Ambient or (Chilled)
Notes:

PROPERLY PRESERVED: (Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES: (Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *16-Sep-03*

CLIENT: General Electric Company
Project: GE Loeffel Area 28
Lab Order: 030915018

Lab ID: 030915018-001
Collection Date: 9/15/2003
Client Sample ID: SA-90
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(CLP4_PEST)**		Analyst: **KF**
Aroclor 1016	< 42	42		µg/Kg-dry	1	9/15/2003
Aroclor 1221	< 42	42		µg/Kg-dry	1	9/15/2003
Aroclor 1232	< 42	42		µg/Kg-dry	1	9/15/2003
Aroclor 1242	< 42	42		µg/Kg-dry	1	9/15/2003
Aroclor 1248	< 42	42		µg/Kg-dry	1	9/15/2003
Aroclor 1254	< 42	42		µg/Kg-dry	1	9/15/2003
Aroclor 1260	680	42		µg/Kg-dry	1	9/15/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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CHAIN OF CUSTODY RECORD

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Client Name: GEOFFEL / BRL	Address: 6723 Towpath Rd; Syracuse, NY 13214	
Send Report To: Chris Torell	Project Name (Location) Area 28	Samplers: (Names) Ed Meyer
Client Phone No: (315) 446-2570 x286	PO Number: 100.73.800	Samplers: (Signature) Ed Meyer
Client Fax No: (315) 445-9161		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	SA -90	9/15/03	10:45 (A) P	Soil	X		1	PCB 8082
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Turnaround Time Request:
☒ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks: 24 hr. TAT

CC Report To: Chris Torell

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Ed Meyer		
Relinquished by: (Signature)	Received for Laboratory by: M. L	Date/Time 9/15/03 12 30

TEMPERATURE: Ambient or (Chilled)
Notes:

PROPERLY PRESERVED: (Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES: (Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *11-Sep-03*

CLIENT: General Electric Company
Project: GE Loeffel Area 28
Lab Order: 030910032

Lab ID: 030910032-001
Client Sample ID: SA-97
Collection Date: 9/10/2003
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(CLP4_PEST)**		Analyst: **KF**
Aroclor 1016	< 43	43		µg/Kg-dry	1	9/10/2003
Aroclor 1221	< 43	43		µg/Kg-dry	1	9/10/2003
Aroclor 1232	< 43	43		µg/Kg-dry	1	9/10/2003
Aroclor 1242	< 43	43		µg/Kg-dry	1	9/10/2003
Aroclor 1248	< 43	43		µg/Kg-dry	1	9/10/2003
Aroclor 1254	< 43	43		µg/Kg-dry	1	9/10/2003
Aroclor 1260	180	43		µg/Kg-dry	1	9/10/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

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314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name: BBL, Inc.	Address: 6723 Towpath Rd., Box 66, Syracuse, NY 13214	
Send Report To: Chris Torell, BBL	Project Name (Location) GE Loeffel Area 28	Samplers: (Names) Scott Sanders
Client Phone No: (315) 446-3570 x 286 Client Fax No: (315) 446-7485	PO Number: 100.73.800	Samplers: (Signature)

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
1	SA-97	9/10/03	1150	(A) P	Soil	X		1	PCB 8082
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:

☒ 1 Day ☐ 3 Day ☐ Normal

☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks: 24 HOUR TAT

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		9/10/03 1:25

TEMPERATURE: Ambient or (Chilled)
Notes:

PROPERLY PRESERVED: (Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES: (Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Appendix D

Water Treatment Laboratory Analytical Results

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Adirondack Environmental Services, Inc

Date: *08-Oct-03*

CLIENT: General Electric Company **Lab Order:** 031006036

Project:

Lab ID: 031006036-001 **Collection Date:** 10/6/2003

Client Sample ID: Frac Tank FT-1 **Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		E608		(E608)		Analyst: **KF**
Aroclor 1016	< 0.068	0.068		µg/L	1	10/6/2003
Aroclor 1221	< 0.068	0.068		µg/L	1	10/6/2003
Aroclor 1232	< 0.068	0.068		µg/L	1	10/6/2003
Aroclor 1242	< 0.068	0.068		µg/L	1	10/6/2003
Aroclor 1248	< 0.068	0.068		µg/L	1	10/6/2003
Aroclor 1254	< 0.068	0.068		µg/L	1	10/6/2003
Aroclor 1260	< 0.068	0.068		µg/L	1	10/6/2003
OIL AND GREASE		E1664				Analyst: **MC**
Oil & Grease	< 1.0	1.0		mg/L	1	10/8/2003
PH		E150.1				Analyst: **KS**
pH	9.7	1.0		pH Units	1	10/6/2003
TOTAL SUSPENDED SOLIDS		E160.2				Analyst: **PL**
TSS (Residue, Non-Filterable)	7.0	1.0		mg/L	1	10/6/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name: GE/Nassau - SLC Env	Address: 552 Avis St Rochester NY 14615	
Send Report To: Keith Hembley	Project Name (Location) GE/Nassau	Samplers: (Names) Steve Stockmaster
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac Tank FT-1	10/6/08	2:15	A (P)	water		X	1	PCBs (MDL) 608
	Frac Tank FT-1	10/6/08	2:15	A (P)	water		X	1	Oil & Grease
	Frac Tank FT-1	10/6/08	2:15	A (P)	water		X	1	PH
	Frac Tank FT-1	10/6/08	2:17	A (P)	water		X	1	Suspended Solids
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
	031006036			A P					
				A P					
				A P					
				A P					

Turnaround Time Request:

☐ 1 Day ☐ 3 Day ☐ Normal

☒ 2 Day ☐ 5 Day

CC Report To: Steve @ SLC Trailer fax 518-766-7422

Special Instructions/Remarks

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 10/7/08 2:52pm

Relinquished by: (Signature)

Received for Laboratory by:

Date/Time 10/6/08 3:00pm

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *10-Oct-03*

CLIENT: General Electric Company
Project: GE/Nassau
Lab Order: 031010015

Lab ID: 031010015-001
Collection Date: 10/10/2003
Client Sample ID: FT-1A-Frac Tank
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PH		**E150.1**				Analyst: **SH**
pH	8.5	1.0		pH Units	1	10/10/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name:	Address:
GE - SLC Environmental	552 Ave St Rochester ny
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Keith Hambley	GE - Nassau	Steve Stackmaster
Client Phone No: 585-865-5020	**PO Number:**	**Samplers: (Signature)**
Client Fax No: 585-865-7095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	FT-1A Fuel Tank	10/10/03	9	A	Water		X	1	PH
				P					
				A					
				P					
				A					
				P					
				A					
				P					
				A					
				P					
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				P					
				A					
				P					

03101001S

Turnaround Time Request:	Special Instructions/Remarks
☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day	
CC Report To: fax# Steve @ SLC 518-766-7122	

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	M.	10/10/03 1130

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *30-Oct-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031028016

Lab ID: 031028016-001
Collection Date: 10/28/2003
Client Sample ID: FT2-Frac Tank
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	10/28/2003
Aroclor 1221	< 0.065	0.065		µg/L	1	10/28/2003
Aroclor 1232	< 0.065	0.065		µg/L	1	10/28/2003
Aroclor 1242	< 0.065	0.065		µg/L	1	10/28/2003
Aroclor 1248	< 0.065	0.065		µg/L	1	10/28/2003
Aroclor 1254	< 0.065	0.065		µg/L	1	10/28/2003
Aroclor 1260	0.080	0.065		µg/L	1	10/28/2003
OIL AND GREASE		**E1664**				Analyst: **RC**
Oil & Grease	< 1.0	1.0		mg/L	1	10/29/2003
PH		**E150.1**				Analyst: **LS**
pH	8.4	1.0		pH Units	1	10/28/2003
TOTAL SUSPENDED SOLIDS		**E160.2**				Analyst: **RC**
TSS (Residue, Non-Filterable)	3.5	1.0		mg/L	1	10/29/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: GE/SLC	Address: 552 Avis St Rochester NY	
Send Report To: Keith Hambley	Project Name (Location) GE - Nassau	Samplers: (Names) Stephen Stockmaster
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	FT2 - Ferm Tank	10/23/03	10:15	(A) P	Water		X	3	PCBs
				A P					PH, Oil & Grease
				A P					Suspended Solids.
	031028016			A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request: ☐ 1 Day ☐ 3 Day ☐ Normal ☒ 2 Day ☐ 5 Day	Special Instructions/Remarks
CC Report To: Steve @ 518-766-7422	
Relinquished by: (Signature)	Received by: (Signature) — Date/Time 10/23/03
Relinquished by: (Signature)	Received for Laboratory by: — Date/Time 10/23/03 11:00 a

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *03-Nov-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031031009

Lab ID: 031031009-001
Client Sample ID: FT2A-Frac Tank
Collection Date: 10/31/2003
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		E608		(E608)		Analyst: KF
Aroclor 1016	< 0.065	0.065		µg/L	1	10/31/2003
Aroclor 1221	< 0.065	0.065		µg/L	1	10/31/2003
Aroclor 1232	< 0.065	0.065		µg/L	1	10/31/2003
Aroclor 1242	< 0.065	0.065		µg/L	1	10/31/2003
Aroclor 1248	< 0.065	0.065		µg/L	1	10/31/2003
Aroclor 1254	< 0.065	0.065		µg/L	1	10/31/2003
Aroclor 1260	< 0.065	0.065		µg/L	1	10/31/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name: GE/SHG Env	Address: 552 Aves St Rochester NY	
Send Report To: Keith Hambley	Project Name (Location) GE - Nassau	Samplers: (Names) Stephen Stockmaster
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	FT2A - Fire tank	10/31/03	7:50 A	Water		X	1	PCBs
			P					
			A					
			P					
			A					
			P					
			A					
			P					
	031031009		A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					

Turnaround Time Request:
- [X] 1 Day
- [ ] 3 Day
- [ ] Normal
- [ ] 2 Day
- [ ] 5 Day

24 HRS

Special Instructions/Remarks

CC Report To: Steve @ 518-766-7122

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10/31/03 8:50AM
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		10/31/03 8:50 a

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *13-Nov-03*

CLIENT: General Electric Company
Lab Order: 031112025
Project: GE/Nassau

Lab ID: 031112025-001
Collection Date: 11/12/2003
Client Sample ID: Frac Tank-FT-3
Matrix: WATER

Analyses	Result	POL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		E608		(E608)		Analyst: KF
Aroclor 1016	< 0.065	0.065		µg/L	1	11/12/2003
Aroclor 1221	< 0.065	0.065		µg/L	1	11/12/2003
Aroclor 1232	< 0.065	0.065		µg/L	1	11/12/2003
Aroclor 1242	< 0.065	0.065		µg/L	1	11/12/2003
Aroclor 1248	< 0.065	0.065		µg/L	1	11/12/2003
Aroclor 1254	< 0.065	0.065		µg/L	1	11/12/2003
Aroclor 1260	0.237	0.066		µg/L	1	11/12/2003
OIL AND GREASE		E1664				Analyst: RC
Oil & Grease	< 1.0	1.0		mg/L	1	11/12/2003
PH		E150.1				Analyst: PL
pH	8.1	1.0		pH Units	1	11/12/2003
TOTAL SUSPENDED SOLIDS		E160.2				Analyst: RC
TSS (Residue, Non-Filterable)	4.0	1.0		mg/L	1	11/12/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

SLC

CHAIN OF CUSTODY RECORD

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

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Client Name: GE/SLC	Address: 552 Avis St Rochester NY	
Send Report To: Keith Hambley	Project Name (Location) GE - Nassau	Samplers: (Names) Stephen Statkiewicz
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5098		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac Tank - FT-3	11/12/03	1000	P	water		X	3	BCO/PH/[redacted] - Suspended solids oil/grease
	031112025			A P					PCBs, Suspended Solids, Oil + Grease, PH
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:
- [X] 1 Day
- [ ] 3 Day
- [ ] Normal
- [ ] 2 Day
- [ ] 5 Day

Special Instructions/Remarks

CC Report To: Steve @ 518-766-7422

Relinquished by: (Signature)	Received by: (Signature)	Date/Time 11/12/03
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time 11/12/03 10 40 A

TEMPERATURE: Ambient or (Chilled)
Notes:

PROPERLY PRESERVED: (Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES: (Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *17-Nov-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031114003

Lab ID: 031114003-001
Collection Date: 11/14/2003
Client Sample ID: Frac Tank-FT3A
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	11/14/2003
Aroclor 1221	< 0.065	0.065		µg/L	1	11/14/2003
Aroclor 1232	< 0.065	0.065		µg/L	1	11/14/2003
Aroclor 1242	< 0.065	0.065		µg/L	1	11/14/2003
Aroclor 1248	< 0.065	0.065		µg/L	1	11/14/2003
Aroclor 1254	< 0.065	0.065		µg/L	1	11/14/2003
Aroclor 1260	< 0.065	0.065		µg/L	1	11/14/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name: GE - Numa / SLC	Address: 552 Avis St Rochester NY	
Send Report To: Keith Hamblen	Project Name (Location) GE Nassau	Samplers: (Names) Stephen Slykhouse
Client Phone No: 585-385-8040	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac tank - FT3A	11/14/03	A	Water		X	1	PCBs
			P					
			A					
			P					
			A					
			P					
			A					
			P					
	031114003		A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					

Turnaround Time Request:

☒ 1 Day ☐ 3 Day ☐ Normal

☐ 2 Day ☐ 5 Day

CC Report To: Steve @ 518-766-7122

Special Instructions/Remarks

Relinquished by: (Signature)	Received by: (Signature)	Date/Time 11/14/03 8:35
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time 11/14/03 745 AM

Temperature

Ambient or (Chilled)

Notes: _____

Properly Preserved

(Y) N

Notes: _____

Received Within Holding Times

(Y) N

Notes: _____

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *04-Dec-03*

CLIENT: General Electric Company
Project: GE/Nassau
Lab Order: 031203016

Lab ID: 031203016-001
Collection Date: 12/3/2003
Client Sample ID: FT4-Frac Tank
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.079	0.079		µg/L	1	12/3/2003
Aroclor 1221	< 0.079	0.079		µg/L	1	12/3/2003
Aroclor 1232	< 0.079	0.079		µg/L	1	12/3/2003
Aroclor 1242	< 0.079	0.079		µg/L	1	12/3/2003
Aroclor 1248	< 0.079	0.079		µg/L	1	12/3/2003
Aroclor 1254	< 0.079	0.079		µg/L	1	12/3/2003
Aroclor 1260	0.144	0.079		µg/L	1	12/3/2003
OIL AND GREASE		**E1664**				Analyst: **RC**
Oil & Grease	< 1.0	1.0		mg/L	1	12/3/2003
PH		**E150.1**				Analyst: **LS**
pH	8.4	1.0		pH Units	1	12/3/2003
TOTAL SUSPENDED SOLIDS		**E160.2**				Analyst: **RC**
TSS (Residue, Non-Filterable)	9.5	1.0		mg/L	1	12/3/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name:	Address:
GE - JHC	552 Ave S Rochester NY
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Keith Hambley	GE - Namur	Stephen Stackmaster
Client Phone No: 585 - 464 - 5120	**PO Number:**	**Samplers: (Signature)**
Client Fax No: 585 - 464 - 5093		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	FT4 Frac Tank	12/1/03	9 A	Water		X	3	PCBs, PH, O&G/Grease, Solids - (TSS)
			A/P					
			A/P					
			A/P					
			A/P					
	031203016		A/P					pw bottle
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

Turnaround Time Request:

☒ 1 Day ☐ 3 Day ☐ Normal

☐ 2 Day ☐ 5 Day

Special Instructions/Remarks

CC Report To: Steve @ 518-766-7422

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12/3/03
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		12/3/03 943

TEMPERATURE
Ambient or (Chilled)
Notes: 1°C

PROPERLY PRESERVED
(Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES
(Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *09-Dec-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031209005

Lab ID: 031209005-001
Collection Date: 12/9/2003
Client Sample ID: Frac Tank-FT4A
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		E608		(E608)		Analyst: KF
Aroclor 1016	< 0.065	0.065		µg/L	1	12/9/2003
Aroclor 1221	< 0.065	0.065		µg/L	1	12/9/2003
Aroclor 1232	< 0.065	0.065		µg/L	1	12/9/2003
Aroclor 1242	< 0.065	0.065		µg/L	1	12/9/2003
Aroclor 1248	< 0.065	0.065		µg/L	1	12/9/2003
Aroclor 1254	< 0.065	0.065		µg/L	1	12/9/2003
Aroclor 1260	0.099	0.065		µg/L	1	12/9/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name:	Address:	
GE - SEC	552 Ames St Rochester NY	
Send Report To:	Project Name (Location)	Samplers: (Names)
Mark Hamblin	GE - Nassau	Stephen Stackmaster
Client Phone No: 585-781-5610	PO Number:	Samplers: (Signature)
Client Fax No: 585-781-5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac Tank FT-1A	12/9/03	10:30 A P	Water		X	1	PCBs
			A P					
			A P					
			A P					
	0312C9005		A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Turnaround Time Request:	Special Instructions/Remarks
☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day	
CC Report To: Fax to Steve @ 518-766-7422	

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12/9/03
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		12/9/03 9:40

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y N	(Y) N
Notes: 3°C	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *11-Dec-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031210053

Lab ID: 031210053-001
Client Sample ID: Frac Tank-FT4B
Collection Date: 12/10/2003
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS IN WATER		E608		(E608)		Analyst: KF
Aroclor 1016	< 0.065	0.065		µg/L	1	12/10/2003
Aroclor 1221	< 0.065	0.065		µg/L	1	12/10/2003
Aroclor 1232	< 0.065	0.065		µg/L	1	12/10/2003
Aroclor 1242	< 0.065	0.065		µg/L	1	12/10/2003
Aroclor 1248	< 0.065	0.065		µg/L	1	12/10/2003
Aroclor 1254	< 0.065	0.065		µg/L	1	12/10/2003
Aroclor 1260	0.068	0.065		µg/L	1	12/10/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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314 North Pearl Street
Albany, New York 12207
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CHAIN OF CUSTODY RECORD

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Client Name:	Address:	
Send Report To:	Project Name (Location)	Samplers: (Names)
Client Phone No:	PO Number:	Samplers: (Signature)
Client Fax No:		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001			A / P					
			A / P					
			A / P					
			A / P					
	0512100S0		A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					

Turnaround Time Request:	Special Instructions/Remarks
☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day	
CC Report To:	

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		12/10/03 345

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	(Y) N	(Y) N
Notes: 4°C	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Appendix E

Equipment Wipe Sampling Laboratory Analytical Results

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Adirondack Environmental Services, Inc

Date: *08-Oct-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031002015

Lab ID: 031002015-001 **Collection Date:** 10/2/2003
Client Sample ID: Skid Steer #1-BL **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/2/2003

Lab ID: 031002015-002 **Collection Date:** 10/2/2003
Client Sample ID: Skid Steer #2-BR **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/2/2003

Lab ID: 031002015-003 **Collection Date:** 10/2/2003
Client Sample ID: Skid Steer#3-Trac **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/2/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/2/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: SLC / Rochester	Address: 552 Avis St Rochester NY	
Send Report To: Keith Hambley	Project Name (Location) GE - Nassau	Samplers: (Names) Steve Stockmaster
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Skid Steer #1 - BL	10/2/03	7:30 A P	Wipe			1	PCBs
002	Skid Steer #2 - BR	10/2/03	7:35 A P	Wipe			1	PCBs
003	Skid Steer #3 - Trac	10/2/03	7:40 A P	Wipe			1	PCBs
			A P					
			A P					
			A P					
	031002015		A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Turnaround Time Request:
X 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks

CC Report To: SLC @ 518-766-7422 / FAX AHN Steve

Relinquished by: (Signature)

Received by: (Signature) — Date/Time 10/2/03 9:20am

Relinquished by: (Signature)

Received for Laboratory by: — Date/Time 10/2/3 9:5-

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.

6078

Adirondack Environmental Services, Inc

Date: *22-Oct-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031017046

Lab ID: 031017046-001
Collection Date: 10/17/2003
Client Sample ID: Fractank-48-WS1
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/18/2003

Lab ID: 031017046-002
Collection Date: 10/17/2003
Client Sample ID: Fractank-48-WS2
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/18/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/18/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: GE/SLC Environmental	Address: 552 Avis St Rochester NY	
Send Report To: Keith Hambley	Project Name (Location) GE - Nassau	Samplers: (Names) Stephen Stockmaster
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5025		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac tank - 4/8 - WS 1	10/17/03	7:15	P	Wipe		X	1	PCB
002	Frac Tank - 4/8 - WS2	10/17/03	7:15	P	Wipe		X	1	PCB
				A/P					
				A/P					
				A/P					
	03101704			A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Turnaround Time Request:
☐ 1 Day ☒ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To: Steve @ 518-766-7422

Special Instructions/Remarks

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		10/17/03 1:35 pm

TEMPERATURE
Ambient or (Chilled)
Notes:

PROPERLY PRESERVED
(Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES
(Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *28-Oct-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031027021

Lab ID: 031027021-001 **Collection Date:** 10/27/2003
Client Sample ID: Dunp Box Bottom #1 **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		SW8082		(SW8082)		Analyst: KF
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/27/2003

Lab ID: 031027021-002 **Collection Date:** 10/27/2003
Client Sample ID: Left Front Tite #2 **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		SW8082		(SW8082)		Analyst: KF
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/27/2003

Lab ID: 031027021-003 **Collection Date:** 10/27/2003
Client Sample ID: Box Gate #3 **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		SW8082		(SW8082)		Analyst: KF
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/27/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *28-Oct-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031027021

Lab ID: 031027021-004
Collection Date: 10/27/2003
Client Sample ID: RT Rear Tire #4
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	10/27/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	10/27/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: GE/SLC	Address: 552 Ave St Rochester NY	
Send Report To: Keith Hambley	Project Name (Location) GE - Wassaic	Samplers: (Names) Steve Stockmaster
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585 865-5055		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Dump Box Bottom #1	10/27/03	1030 A / P	wipe		X	1	PCB
002	left Front tire #2	10/27/03	1050 A / P	wipe		X	1	PCB
003	Box Gate #3	10/27/03	1045 A / P	wipe		X	1	PCB
004	RT Rear tire #4	10/27/03	1035 wipe A / P	wipe		X	1	PCB
			A / P					
			A / P					
			A / P					
	03102702		A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					
			A / P					

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☒ 2 Day ☐ 5 Day

CC Report To: Steve @ 585-766-7122

Special Instructions/Remarks

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M.	Date/Time 10/27/03 1133

Temperature	Properly Preserved	Received Within Holding Times
Ambient / or Chilled	Y / N	Y / N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *14-Nov-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031113009

Lab ID: 031113009-001 **Collection Date:** 11/13/2003
Client Sample ID: 325-Right Track **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	11/13/2003

Lab ID: 031113009-002 **Collection Date:** 11/13/2003
Client Sample ID: 325-Left Track **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	11/13/2003

Lab ID: 031113009-003 **Collection Date:** 11/13/2003
Client Sample ID: 325-Bucket/In **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	11/13/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *14-Nov-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031113009

Lab ID: 031113009-004
Collection Date: 11/13/2003
Client Sample ID: 325/Bucket Out
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	11/13/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	11/13/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: GE/SHC	Address: 552 Avis Street Rochester NY	
Send Report To: Keith Hambley	Project Name (Location) GE-Nassau	Samplers: (Names) Stephen Stockmaster
Client Phone No: 585-865-5020	PO Number:	Samplers: (Signature)
Client Fax No: 585-865-5025		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	325 - Right Track	11/13	700	A P	wipe		X	1	PCBs
002	325 - left Track	11/13	705	A P	wipe		X	1	PCBs
003	325 - Bucket | In	11/13	710	A P	wipe		X	1	PCBs
004	325 - Bucket | out	11/13	715	A P	wipe		X	1	PCBs
				A P					
	031113009			A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:
- X 1 Day
- ☐ 3 Day
- ☐ Normal
- ☐ 2 Day
- ☐ 5 Day

Special Instructions/Remarks

CC Report To: Steve @ 518-766-7422

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/13/03
Relinquished by: (Signature)	Received for Laboratory by: M.	Date/Time 11/13/03 8:12

TEMPERATURE: (Ambient) or Chilled
Notes:

PROPERLY PRESERVED: (Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES: (Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *17-Dec-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031216022

Lab ID: 031216022-001 **Collection Date:** 12/16/2003
Client Sample ID: Frac Tank 254549-Wall **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/16/2003

Lab ID: 031216022-002 **Collection Date:** 12/16/2003
Client Sample ID: Frac Tank 254549-Bottom **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/16/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/16/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:
GE - SLC	552 Avis St Rochester NY
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Keith Hamblen	GE - Nassau	Stanton Stockwell
Client Phone No: 585-461-5010	**PO Number:**	**Samplers: (Signature)**
Client Fax No: 585-461-5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac Tank 254549 - Wall	12/15/03	1100	A / P	Water	X		1	PCBs
002	Frac Tank 254549 Bottom	12/15/03	1400	A / P	Water	X		1	PCBs
		12/16		A / P					
				A / P					
	03121602Z			A / P					
				A / P					
				A / P					
				A / P					
				A / P					
				A / P					
				A / P					
				A / P					
				A / P					

Turnaround Time Request:

☒ 1 Day ☐ 3 Day ☐ Normal

☐ 2 Day ☐ 5 Day

CC Report To: Steve @ 518-766-7422

Special Instructions/Remarks

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12/18/03
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		12/16/03 1[illegible]

TEMPERATURE
Ambient or Chilled
Notes:

PROPERLY PRESERVED
(Y) N
Notes:

RECEIVED WITHIN HOLDING TIMES
(Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *18-Dec-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031217035

Lab ID: 031217035-001
Collection Date: 12/17/2003
Client Sample ID: Frac Tank Wall
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		SW8082		(SW8082)		Analyst: KF
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/17/2003

Lab ID: 031217035-002
Collection Date: 12/17/2003
Client Sample ID: Frac Tank Floor
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		SW8082		(SW8082)		Analyst: KF
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/17/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/17/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
GE - SLC	552 Avis St Rochester NY	
Send Report To:	Project Name (Location)	Samplers: (Names)
Keith Hambley	GE - Nassau	
Client Phone No: 585 - 865 - 5020	PO Number:	Samplers: (Signature)
Client Fax No: 585 - 865 - 5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac Tank # Wall	12/17	11 A	wipe			1	PCB
002	" " Floor	12/17	11 A	wipe			1	PCB
	031217035		A					
			A					
			A					
			A					
			A					
			A					
			A					
			A					
			A					
			A					
			A					
			A					

Turnaround Time Request:
☑ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks

CC Report To:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		12/18/03 1:37

TEMPERATURE
Ambient or Chilled
Notes:

PROPERLY PRESERVED
Y N
Notes:

RECEIVED WITHIN HOLDING TIMES
Y N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *19-Dec-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031218034

Lab ID: 031218034-001
Collection Date: 12/18/2003
Client Sample ID: Vac Truck
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/19/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/19/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/19/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/19/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/19/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/19/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/19/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:
GE - SLC	552 Ayis ST. Rochester, NY
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Keith Hamilton	GE Nassau	
Client Phone No: 585 6655220	**PO Number:**	**Samplers: (Signature)**
Client Fax No: 585 665 5095		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Vac Truck	12/18	1200 P	WI/S			1	PCB's
			A P					
			A P					
			A P					
	03121803-4		A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Turnaround Time Request:

☒ 1 Day ☐ 3 Day ☐ Normal

☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
[signature]	[signature]	1-10-03 1015

Temperature

Ambient or Chilled

Notes: _____

Properly Preserved

Y N

Notes: _____

Received Within Holding Times

Y N

Notes: _____

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc

Date: *02-Dec-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031201019

Lab ID: 031201019-001 **Collection Date:** 12/1/2003
Client Sample ID: Frac Tank 948 Wall **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/1/2003

Lab ID: 031201019-002 **Collection Date:** 12/1/2003
Client Sample ID: Frac Tank 948 Bottom **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/1/2003

Lab ID: 031201019-003 **Collection Date:** 12/1/2003
Client Sample ID: #1 Case 160 Inside Bucket **Matrix:** WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/1/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *02-Dec-03*

CLIENT: General Electric Company
Project: GE-Nassau
Lab Order: 031201019

Lab ID: 031201019-004
Collection Date: 12/1/2003
Client Sample ID: #2 Case 160 Outside Bucket
Matrix: WIPE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS		**SW8082**		**(SW8082)**		Analyst: **KF**
Aroclor 1016	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1221	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1232	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1242	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1248	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1254	< 1.0	1.0		ug/100cm2	1	12/1/2003
Aroclor 1260	< 1.0	1.0		ug/100cm2	1	12/1/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
GE/SHC	552 Avis St Rochester NY	
Send Report To:	Project Name (Location)	Samplers: (Names)
Vicki Hambley	GE - Warsaw	Stephen Stelkowski
Client Phone No: 585 865 5040	PO Number:	Samplers: (Signature)
Client Fax No: 585 865 5045		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Frac Tank 948 Wall	12-1-03	8:10 A	wipe		X	1	PCBs
002	Frac Tank 948 Bottom	12-1-03	8:15 A	wipe		X	1	PCBs
003	#1 Frac 160 Inside Bucket	12-1-03	12:00 A	wipe		X	1	PCBs
004	#2 Frac 160 outside Bucket	12-1-03	17:00 P	wipe		X	1	PCBs
			A/P					
			A/P					
	031201019		A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

Turnaround Time Request:	Special Instructions/Remarks
☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day	
CC Report To: Steve Stelkowski Fax 518-766-7122	

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12-1-03
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
		12-1-03 12:32

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Appendix F

Air Monitoring Field Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Appendix F
SLC Environmental Solutions, Inc.
Loeffel Site Environs
Area 28 Completion Report

Air Monitoring Data

Date	Time	Upwind		Downwind	
		OVA (ppm)	Dust (ppm)	OVA (ppm)	Dust (ppm)
09/09/03	1:30 PM	0.0	0.040	0.0	0.040
09/09/03	2:00 PM	0.0	0.040	0.0	0.040
09/09/03	2:30 PM	0.0	0.020	0.0	0.020
09/09/03	3:00 PM	0.0	0.000	0.0	0.010
09/09/03	3:30 PM	0.0	0.030	0.0	0.030
09/09/03	4:00 PM	0.0	0.030	0.0	0.030
09/10/03	8:00 AM	0.0	0.000	0.0	0.000
09/10/03	8:30 AM	0.0	0.000	0.0	0.000
09/10/03	9:00 AM	0.0	0.000	0.0	0.000
09/10/03	9:30 AM	0.0	0.000	0.0	0.000
09/10/03	10:00 AM	0.0	0.000	0.0	0.000
09/10/03	10:30 AM	0.0	0.000	0.0	0.000
09/10/03	11:00 AM	0.0	0.000	0.0	0.000
09/10/03	11:30 AM	0.0	0.000	0.0	0.000
09/10/03	12:00 PM	0.0	0.000	0.0	0.000
09/10/03	12:30 PM	0.0	0.000	0.0	0.000
09/10/03	1:00 PM	0.0	0.000	0.0	0.000
09/10/03	1:30 PM	0.0	0.000	0.0	0.000
09/10/03	2:00 PM	0.0	0.000	0.0	0.000
09/10/03	2:30 PM	0.0	0.000	0.0	0.000
09/10/03	3:00 PM	0.0	0.000	0.0	0.003
09/10/03	3:30 PM	0.0	0.000	0.0	0.000
09/10/03	4:00 PM	0.0	0.000	0.0	0.000
09/11/03	9:30 AM	0.0	0.000	0.0	0.000
09/11/03	10:00 AM	0.0	0.000	0.0	0.000
09/11/03	10:30 AM	0.0	0.000	0.0	0.000
09/11/03	11:00 AM	0.0	0.000	0.0	0.000
09/11/03	11:30 AM	0.0	0.000	0.0	0.000
09/11/03	12:00 PM	0.0	0.000	0.0	0.000
09/11/03	12:30 PM	0.0	0.000	0.0	0.000
09/11/03	1:00 PM	0.0	0.000	0.0	0.000
09/11/03	1:30 PM	0.0	0.000	0.0	0.000
09/11/03	2:00 PM	0.0	0.000	0.0	0.000
09/11/03	2:30 PM	0.0	0.000	0.0	0.000
09/11/03	3:00 PM	0.0	0.000	0.0	0.000
09/15/03	9:00 AM	0.0	0.008	0.0	0.008
09/15/03	9:30 AM	0.0	0.002	0.0	0.002
09/15/03	10:00 AM	0.0	0.000	0.0	0.000
09/15/03	10:30 AM	0.0	0.000	0.0	0.000
09/15/03	11:00 AM	0.0	0.000	0.0	0.000
09/15/03	11:30 AM	0.0	0.002	0.0	0.002
09/15/03	12:00 PM	0.0	0.000	0.0	0.000
09/15/03	12:30 PM	0.0	0.001	0.0	0.001
09/15/03	1:00 PM	0.0	0.000	0.0	0.000
09/15/03	1:30 PM	0.0	0.000	0.0	0.000
09/15/03	2:00 PM	0.0	0.000	0.0	0.000
09/16/03	8:30 AM	0.0	0.000	0.0	0.000
09/16/03	9:00 AM	0.0	0.001	0.0	0.000
09/16/03	9:30 AM	0.0	0.000	0.0	0.000
09/16/03	10:00 AM	0.0	0.000	0.0	0.000
09/16/03	10:30 AM	0.0	0.000	0.0	0.000
09/16/03	11:00 AM	0.0	0.000	0.0	0.000
09/16/03	11:30 AM	0.0	0.000	0.0	0.000
09/16/03	12:00 PM	0.0	0.000	0.0	0.000
09/16/03	No data between 12:00 pm and 3:30 pm				
09/16/03	3:30 PM	0.0	0.004	0.0	0.004
09/16/03	4:00 PM	0.0	0.000	0.0	0.001
09/16/03	4:30 PM	0.0	0.000	0.0	0.000

Appendix F
SLC Environmental Solutions, Inc.
Loeffel Site Environs
Area 28 Completion Report

Air Monitoring Data

Date	Time	Upwind		Downwind	
		OVA (ppm)	Dust (ppm)	OVA (ppm)	Dust (ppm)
09/17/03	7:30 AM	0.0	0.001	0.0	0.001
09/17/03	8:00 AM	0.0	0.008	0.0	0.008
09/17/03	8:30 AM	0.0	0.007	0.0	0.007
09/17/03	9:00 AM	0.0	0.013	0.0	0.013
09/17/03	9:30 AM	0.0	0.007	0.0	0.009
09/17/03	10:00 AM	0.0	0.000	0.0	0.000
09/17/03	10:30 AM	0.0	0.000	0.0	0.000
09/17/03	11:00 AM	0.0	0.003	0.0	0.003
09/17/03	11:30 AM	0.0	0.000	0.0	0.000
09/17/03	12:00 PM	0.0	0.000	0.0	0.000
09/17/03	12:30 PM	0.0	0.013	0.0	0.013
09/17/03	1:00 PM	0.0	0.000	0.0	0.000
09/17/03	1:30 PM	0.0	0.000	0.0	0.000
09/17/03	2:00 PM	0.0	0.000	0.0	0.000
09/17/03	2:30 PM	0.0	0.000	0.0	0.000
10/06/03	9:45 AM	0.0	0.001	0.0	0.001
10/06/03	10:15 AM	0.0	0.000	0.0	0.000
10/06/03	10:45 AM	0.0	0.000	0.0	0.000
10/06/03	11:15 AM	0.0	0.001	0.0	0.001
10/06/03	11:45 AM	0.0	0.000	0.0	0.000
10/06/03	12:15 PM	0.0	0.000	0.0	0.000
10/06/03	12:45 PM	0.0	0.000	0.0	0.000
10/06/03	1:15 PM	0.0	0.000	0.0	0.001
10/06/03	1:45 PM	0.0	0.000	0.0	0.000
10/06/03	2:15 PM	0.0	0.000	0.0	0.000
10/06/03	2:45 PM	0.0	0.001	0.0	0.001
10/07/03	11:00 AM	0.0	0.000	0.0	0.000
10/07/03	11:30 AM	0.0	0.001	0.0	0.001
10/07/03	12:00 PM	0.0	0.002	0.0	0.002
10/07/03	12:30 PM	0.0	0.001	0.0	0.001
10/07/03	1:00 PM	0.0	0.000	0.0	0.000
10/07/03	1:30 PM	0.0	0.000	0.0	0.001
10/07/03	2:00 PM	0.0	0.000	0.0	0.000
10/07/03	2:30 PM	0.0	0.000	0.0	0.000
10/07/03	3:00 PM	0.0	0.001	0.0	0.000
10/08/03	7:30 AM	0.0	0.003	0.0	0.002
10/08/03	8:00 AM	0.0	0.001	0.0	0.001
10/08/03	8:30 AM	0.0	0.000	0.0	0.000
10/08/03	9:00 AM	0.0	0.000	0.0	0.000
10/08/03	9:30 AM	0.0	0.002	0.0	0.003
10/08/03	10:00 AM	0.0	0.000	0.0	0.000
10/08/03	10:30 AM	0.0	0.000	0.0	0.000
10/08/03	11:00 AM	0.0	0.001	0.0	0.002
10/08/03	11:30 AM	0.0	0.000	0.0	0.000
10/08/03	12:00 PM	0.0	0.000	0.0	0.001
10/08/03	12:30 PM	0.0	0.002	0.0	0.001
10/08/03	1:00 PM	0.0	0.000	0.0	0.000
10/08/03	1:30 PM	0.0	0.000	0.0	0.000
10/08/03	No data between 1:30 pm and 4:00 pm				
10/08/03	4:00 PM	0.0	0.000	0.0	0.000
10/08/03	4:30 PM	0.0	0.002	0.0	0.002
10/09/03	7:30 AM	0.0	0.000	0.0	0.000
10/09/03	8:00 AM	0.0	0.000	0.0	0.000
10/09/03	8:30 AM	0.0	0.000	0.0	0.000
10/09/03	9:00 AM	0.0	0.001	0.0	0.000
10/09/03	9:30 AM	0.0	0.000	0.0	0.001
10/09/03	10:00 AM	0.0	0.000	0.0	0.000
10/09/03	10:30 AM	0.0	0.002	0.0	0.003
10/09/03	11:00 AM	0.0	0.000	0.0	0.000
10/09/03	11:30 AM	0.0	0.000	0.0	0.000
10/09/03	12:00 PM	0.0	0.000	0.0	0.000

Appendix F
SLC Environmental Solutions, Inc.
Loeffel Site Environs
Area 28 Completion Report

Air Monitoring Data

Date	Time	Upwind		Downwind	
		OVA (ppm)	Dust (ppm)	OVA (ppm)	Dust (ppm)
10/09/03	12:30 PM	0.0	0.000	0.0	0.000
10/09/03	1:00 PM	0.0	0.000	0.0	0.000
10/09/03	1:30 PM	0.0	0.000	0.0	0.000
10/09/03	2:00 PM	0.0	0.000	0.0	0.000
10/09/03	No data between 2:00 pm and 3:30 pm				
10/09/03	3:30 PM	0.0	0.000	0.0	0.007
10/09/03	4:00 PM	0.0	0.000	0.0	0.002
10/09/03	4:30 PM	0.0	0.000	0.0	0.000
10/10/03	8:30 AM	0.0	0.000	0.0	0.000
10/10/03	9:00 AM	0.0	0.000	0.0	0.000
10/10/03	9:30 AM	0.0	0.000	0.0	0.000
10/10/03	10:00 AM	0.0	0.000	0.0	0.000
10/10/03	10:30 AM	0.0	0.000	0.0	0.000
10/10/03	11:00 AM	0.0	0.000	0.0	0.000
10/10/03	11:30 AM	0.0	0.000	0.0	0.000
10/10/03	12:00 PM	0.0	0.000	0.0	0.000
10/10/03	12:30 PM	0.0	0.000	0.0	0.000
10/10/03	1:00 PM	0.0	0.000	0.0	0.000
10/10/03	1:30 PM	0.0	0.000	0.0	0.000
10/10/03	2:00 PM	0.0	0.000	0.0	0.000
10/10/03	2:30 PM	0.0	0.000	0.0	0.000
10/10/03	3:00 PM	0.0	0.000	0.0	0.000
10/10/03	3:30 PM	0.0	0.000	0.0	0.000
10/10/03	4:00 PM	0.0	0.000	0.0	0.000
10/10/03	4:30 PM	0.0	0.000	0.0	0.000
10/10/03	5:00 PM	0.0	0.000	0.0	0.000
10/11/03	8:30 AM	0.0	0.000	0.0	0.000
10/11/03	9:00 AM	0.0	0.000	0.0	0.000
10/11/03	9:30 AM	0.0	0.000	0.0	0.000
10/11/03	10:00 AM	0.0	0.000	0.0	0.000
10/11/03	10:30 AM	0.0	0.000	0.0	0.000
10/11/03	11:00 AM	0.0	0.000	0.0	0.007
10/11/03	11:30 AM	0.0	0.000	0.0	0.000
10/11/03	No data between 11:30 am and 1:00 pm				
10/11/03	1:00 PM	0.0	0.001	0.0	0.000
10/11/03	1:30 PM	0.0	0.000	0.0	0.000
10/11/03	2:00 PM	0.0	0.002	0.0	0.000
10/11/03	2:30 PM	0.0	0.000	0.0	0.000
10/11/03	3:00 PM	0.0	0.002	0.0	0.001
10/11/03	3:30 PM	0.0	0.001	0.0	0.000
10/11/03	4:00 PM	0.0	0.001	0.0	0.002
10/11/03	4:30 PM	0.0	0.000	0.0	0.000
10/12/03	7:30 AM	0.0	0.000	0.0	0.000
10/12/03	8:00 AM	0.0	0.000	0.0	0.000
10/12/03	8:30 AM	0.0	0.000	0.0	0.000
10/12/03	9:00 AM	0.0	0.000	0.0	0.000
10/12/03	9:30 AM	0.0	0.000	0.0	0.000
10/12/03	10:00 AM	0.0	0.001	0.0	0.002
10/12/03	10:30 AM	0.0	0.000	0.0	0.001
10/12/03	11:00 AM	0.0	0.000	0.0	0.001
10/12/03	11:30 AM	0.0	0.000	0.0	0.000
10/12/03	No data between 11:30 am and 12:30 pm				
10/12/03	12:30 PM	0.0	0.000	0.0	0.000
10/12/03	1:00 PM	0.0	0.000	0.0	0.000
10/12/03	1:30 PM	0.0	0.000	0.0	0.000
10/12/03	2:00 PM	0.0	0.000	0.0	0.000
10/12/03	2:30 PM	0.0	0.000	0.0	0.000
10/13/03	9:00 AM	0.0	0.000	0.0	0.000
10/13/03	9:30 AM	0.0	0.000	0.0	0.000
10/13/03	10:00 AM	0.0	0.000	0.0	0.000
10/13/03	10:30 AM	0.0	0.000	0.0	0.001

Appendix F
SLC Environmental Solutions, Inc.
Loeffel Site Environs
Area 28 Completion Report

Air Monitoring Data

Date	Time	Upwind		Downwind	
		OVA (ppm)	Dust (ppm)	OVA (ppm)	Dust (ppm)
10/13/03	11:00 AM	0.0	0.000	0.0	0.002
10/13/03	11:30 AM	0.0	0.000	0.0	0.000
10/13/03	12:00 PM	0.0	0.000	0.0	0.000
10/13/03	12:30 PM	0.0	0.001	0.0	0.003
10/20/03	9:30 AM	0.0	0.000	0.0	0.000
10/20/03	10:00 AM	0.0	0.000	0.0	0.000
10/20/03	10:30 AM	0.0	0.000	0.0	0.000
10/20/03	11:00 AM	0.0	0.000	0.0	0.000
10/20/03	11:30 AM	0.0	0.000	0.0	0.000
10/20/03	12:00 PM	0.0	0.000	0.0	0.000
10/20/03	12:30 PM	0.0	0.000	0.0	0.000
10/20/03	1:00 PM	0.0	0.000	0.0	0.000
10/20/03	1:30 PM	0.0	0.000	0.0	0.000
10/20/03	2:00 PM	0.0	0.000	0.0	0.000
10/20/03	2:30 PM	0.0	0.000	0.0	0.000
10/20/03	3:00 PM	0.0	0.000	0.0	0.000
10/20/03	3:30 PM	0.0	0.000	0.0	0.000
10/20/03	4:00 PM	0.0	0.000	0.0	0.000
10/20/03	4:30 PM	0.0	0.000	0.0	0.000
10/20/03	5:00 PM	0.0	0.000	0.0	0.000
10/21/03	12:00 PM	0.0	0.000	0.0	0.000
10/21/03	12:30 PM	0.0	0.000	0.0	0.000
10/21/03	1:00 PM	0.0	0.000	0.0	0.000
10/21/03	1:30 PM	0.0	0.000	0.0	0.000
10/21/03	2:00 PM	0.0	0.000	0.0	0.000
10/21/03	2:30 PM	0.0	0.000	0.0	0.000
10/21/03	3:00 PM	0.0	0.002	0.0	0.002
10/22/03	9:00 AM	0.0	0.000	0.0	0.000
10/22/03	9:30 AM	0.0	0.000	0.0	0.000
10/22/03	10:00 AM	0.0	0.000	0.0	0.000
10/22/03	10:30 AM	0.0	0.000	0.0	0.000
10/22/03	11:00 AM	0.0	0.000	0.0	0.001
10/22/03	11:30 AM	0.0	0.000	0.0	0.001
10/22/03	12:00 PM	0.0	0.000	0.0	0.000
10/22/03	12:30 PM	0.0	0.000	0.0	0.000
10/22/03	1:00 PM	0.0	0.000	0.0	0.000
10/22/03	1:30 PM	0.0	0.000	0.0	0.000
10/22/03	2:00 PM	0.0	0.000	0.0	0.000
10/22/03	2:30 PM	0.0	0.000	0.0	0.000
10/22/03	No data between 2:30 pm and 4:00 pm				
10/22/03	4:00 PM	0.0	0.000	0.0	0.000
10/22/03	4:30 PM	0.0	0.000	0.0	0.000
10/23/03	7:30 AM	0.0	0.000	0.0	0.000
10/23/03	8:00 AM	0.0	0.000	0.0	0.000
10/23/03	8:30 AM	0.0	0.000	0.0	0.000
10/23/03	9:00 AM	0.0	0.000	0.0	0.000
10/23/03	9:30 AM	0.0	0.000	0.0	0.000
10/23/03	10:00 AM	0.0	0.000	0.0	0.000
10/23/03	10:30 AM	0.0	0.010	0.0	0.000
10/23/03	11:00 AM	0.0	0.010	0.0	0.010
10/23/03	11:30 AM	0.0	0.000	0.0	0.000
10/23/03	12:00 PM	0.0	0.000	0.0	0.000
10/23/03	12:30 PM	0.0	0.000	0.0	0.000
10/23/03	1:00 PM	0.0	0.001	0.0	0.001
10/23/03	1:30 PM	0.0	0.000	0.0	0.000
10/23/03	2:00 PM	0.0	0.000	0.0	0.000
10/23/03	2:30 PM	0.0	0.000	0.0	0.000
10/23/03	3:00 PM	0.0	0.000	0.0	0.000
10/23/03	3:30 PM	0.0	0.000	0.0	0.000
10/23/03	4:00 PM	0.0	0.000	0.0	0.000
10/23/03	4:30 PM	0.0	0.000	0.0	0.000
10/23/03	5:00 PM	0.0	0.000	0.0	0.000
10/23/03	5:30 PM	0.0	0.000	0.0	0.000

Appendix G

As-Built Survey Coordinate Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

Appendix G
SLC Environmental Solutions, Inc.
Loeffel Site Environs
Area 28 Remedial Action Completion Report

Survey Information - Existing Conditions

ID	Northing	Easting	Elevation	Description
1003	930455.2547	699661.4842	432.822589	EX GND
1004	930460.0253	699654.8886	435.753	EX GND
1007	930423.2511	699660.2798	433.232167	EX GND
1009	930386.64	699644.978	435.288347	EX GND
1010	930417.1691	699647.83	433.550575	EX GND
1012	930384.4004	699642.9454	435.968176	EX GND
1015	930357.5736	699612.9711	436.626268	EX GND
1016	930387.1534	699625.0816	434.018932	EX GND
1017	930395.4674	699614.9648	433.999495	EX GND
1018	930408.8579	699610.0971	431.890888	EX GND
1019	930357.1562	699604.0253	434.228698	EX GND
1020	930373.6184	699591.4988	432.730205	EX GND
1021	930373.9901	699590.0622	432.971432	EX GND
1022	930355.3482	699569.8224	432.201404	EX GND
1023	930352.8158	699570.548	432.029175	EX GND
1024	930345.3329	699574.8472	432.433957	EX GND
1025	930337.5295	699589.55	432.59336	EX GND
1026	930334.3155	699589.9794	432.935374	EX GND
1027	930319.2459	699605.4121	437.761123	EX GND
1028	930241.6058	699541.9756	435.862164	SEL
1031	930299.3102	699587.454	438.475923	EX GND
1032	930299.7371	699582.2423	438.364458	EX GND
1033	930315.0637	699570.2803	434.188511	EX GND
1034	930315.6084	699566.014	434.112162	EX GND
1035	930328.4687	699557.6075	431.435222	EX GND
1038	930294.3027	699545.2548	439.118784	EX GND
1039	930294.6449	699543.9259	438.794795	EX GND
1042	930271.0859	699514.0026	433.677287	EX GND
1055	930156.6236	699430.1286	433.466219	EX GND
1056	930193.3885	699427.2209	433.884919	EX GND
1057	930196.4565	699425.6511	433.948111	EX GND
1058	930198.1242	699423.5059	433.95402	EX GND
1060	930147.0338	699391.1116	433.295631	EX GND
1061	930149.1444	699387.2733	433.476001	EX GND
1062	930180.1459	699381.6946	433.643476	EX GND
1063	930193.1679	699390.054	434.325762	EX GND
1065	930187.7207	699353.4581	431.942019	EX GND
1101	930431.9124	699606.1886	430.356508	EWT4
1102	930439.4625	699631.1271	430.507473	EWT1
1103	930436.5839	699629.9662	430.716856	EWT1
1104	930424.2483	699622.9668	430.027524	EWT1
1105	930418.2893	699618.0355	430.610506	EWT1
1106	930409.8102	699609.5266	430.468597	EWT1
1107	930407.9065	699607.3597	430.809821	EWT1
1109	930423.9205	699593.8714	430.491655	EWT4
1110	930383.5638	699581.0212	430.549643	EWT1
1112	930405.3212	699570.3348	430.178057	EWT4
1113	930409.1392	699573.7331	430.459032	EWT4
1115	930362.6097	699561.0085	430.750924	EWT1
1116	930357.9132	699557.3699	430.882574	EWT1
1118	930350.1679	699553.2591	430.091568	EWT1
1119	930349.7028	699531.6906	430.365768	EWT2
1120	930349.3201	699518.719	431.007544	EX GND

Appendix G
SLC Environmental Solutions, Inc.
Loeffel Site Environs
Area 28 Remedial Action Completion Report

Survey Information - Existing Conditions

ID	Northing	Easting	Elevation	Description
1121	930349.1746	699510.5156	428.432285	CL CREEK
1122	930359.6489	699516.3643	429.417341	CL CREEK
1123	930370.8359	699524.5343	429.950793	EWT4
1124	930382.5163	699537.7998	430.243018	EWT4
1125	930380.4684	699540.2184	429.806711	CREEK
1126	930382.9336	699544.1564	430.076445	CREEK
1127	930390.18	699539.65	432.57	ex gnd
1129	930343.0809	699515.4522	430.78334	EX GND
1130	930331.351	699525.0164	430.639874	EX GND
1131	930327.4682	699532.0418	430.043438	EWT2
1132	930316.8453	699523.0299	430.418645	EWT2
1133	930341.0851	699549.3062	430.071445	EWT1
1134	930332.552	699544.8914	430.006653	EWT1
1135	930324.0144	699538.5379	430.219101	EWT1
1136	930314.7849	699530.7843	429.72125	EWT1
1137	930302.3757	699521.1379	430.210043	EWT1
1138	930306.4828	699514.559	429.761525	EWT2 EWT3
1139	930325.4465	699510.4364	429.850752	EWT3
1140	930349.6991	699515.7899	429.635275	EWT3
1141	930360.0515	699527.9941	429.921633	EWT3
1142	930356.2219	699535.6467	429.676575	EWT2 EWT3
1143	930341.87	699529.8782	430.293013	EWT2
1144	930333.0576	699536.0909	429.806931	EWT2
1145	930286.8058	699512.3605	430.201079	EWT1
1146	930275.6903	699505.403	430.06543	EWT1
1147	930301.0601	699521.3011	431.682194	ELB1
1148	930296.8132	699523.6756	432.462528	ELB2
1149	930313.7168	699540.8993	432.054349	ELB2
1150	930317.8299	699537.5362	430.990854	ELB1
1151	930326.6278	699554.6015	431.250399	ELB1
1152	930321.5421	699558.9337	432.023619	ELB2
1153	930343.7605	699565.0293	431.297344	ELB1
1154	930355.4448	699557.7868	432.245519	ELB1
1155	930319.4173	699577.9525	432.687454	ELB2
1156	930331.4902	699585.6093	432.544723	ELB2
1157	930354.7514	699597.3852	432.960448	ELB2
1158	930374.8158	699576.6474	432.68247	ELB1
1159	930394.9383	699596.5723	432.385801	ELB1
1160	930376.5985	699611.9372	433.203018	ELB2
1161	930418.9675	699623.5767	432.228176	ELB1
1162	930391.9435	699639.4839	434.436508	ELB2
1163	930442.6635	699636.5776	431.848227	ELB1
1164	930436.8794	699644.927	432.979746	SEL
1165	930455.4553	699652.8666	435.866023	SEL
1166	930460.6339	699642.7964	431.853084	ELB1
1167	930461.4642	699640.4614	430.074163	EWT1
1168	930490.9792	699652.3432	430.031855	EWT1
1169	930489.9232	699655.6223	431.392661	ELB1
1170	930487.1666	699662.3235	431.289743	SEL
1171	930478.0864	699656.7204	432.624759	SEL
1172	930471.8829	699661.6514	435.964396	SEL
1173	930484.3535	699669.5435	435.367363	SEL
1174	930474.359	699685.762	433.531578	SDR1

Appendix G
SLC Environmental Solutions, Inc.
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Area 28 Remedial Action Completion Report

Survey Information - Existing Conditions

ID	Northing	Easting	Elevation	Description
1175	930439.2216	699659.7009	433.083745	SDR1
1176	930428.8538	699650.1471	432.945437	SDR1
1177	930424.8789	699660.6149	433.142927	SDR1
1178	930415.7444	699680.0495	433.888239	SDR1
1179	930436.8495	699680.5836	433.473483	SEL
1180	930467.4737	699704.2305	433.809231	SEL
1202	930437.195	699595.4611	430.190146	EX GND
1203	930427.5612	699559.3849	434.54319	EX GND
1204	930425.4428	699557.2216	434.792106	EX GND
1205	930417.0104	699559.9494	434.791835	EX GND
1207	930394.4938	699527.4368	435.398566	EX GND
1209	930392.3176	699525.2342	435.322521	EX GND
1210	930374.5163	699520.7695	431.009838	EX GND
1213	930370.7834	699499.7331	434.974868	ELB4
1215	930357.9846	699496.1074	431.707111	EX GND
1217	930336.8679	699477.7868	431.646139	EX GND
1218	930339.8756	699451.5506	434.475367	ELB4
1220	930337.8718	699450.8386	434.122962	EX GND
1221	930300.4336	699464.0824	431.49865	CREEK
1222	930324.2099	699436.0779	430.865612	ELB5
1223	930319.3521	699408.4864	429.203497	EWT4
1224	930321.4618	699404.3737	430.093937	EWT4
1225	930326.9858	699402.5893	433.728205	EX GND
1228	930276.1654	699445.0853	431.612326	EX GND
1229	930286.0717	699432.3641	430.548933	EX GND
1230	930288.7352	699415.2746	430.078775	EX GND
1231	930284.4608	699406.8175	429.472924	EWT4
1232	930270.2596	699403.185	428.377653	WTR
1233	930290.3992	699391.6767	428.700527	WTR
1234	930307.3055	699382.7565	427.980799	CREEK
1235	930307.8605	699380.9565	428.671114	CREEK
1236	930321.8432	699370.2777	434.363566	EX GND
1237	930333.3944	699374.8598	432.600652	EX GND
1241	930323.4814	699356.1799	432.562566	EX GND
1242	930321.9242	699364.4962	433.981405	EX GND
1243	930303.1001	699353.4096	434.172619	EX GND
1244	930305.1151	699348.7426	433.052193	EX GND
1245	930295.2109	699359.783	434.320791	EX GND
1246	930295.3428	699363.7205	434.430127	EX GND
1247	930277.4107	699377.5852	434.339764	EX GND
1248	930266.0367	699374.6437	433.984659	EX GND
1249	930264.3327	699378.1851	434.176245	EX GND
1250	930261.8159	699362.4284	431.155295	EX GND
1251	930259.4079	699358.8536	429.946979	EX GND
1254	930284.134	699344.6721	432.063846	EX GND
1400	930248.1385	699517.8936	433.164838	SEL
1401	930260.2912	699506.2256	433.868652	SEL
1402	930267.2896	699503.1763	431.495006	ELB1
1403	930242.595	699476.8687	431.827484	ELB1
1404	930232.1738	699482.0417	433.11922	SEL
1405	930222.3645	699491.4528	433.886366	SEL
1406	930205.6903	699470.0557	434.399776	SEL
1407	930223.9788	699455.0007	431.771766	SEL

Appendix G
SLC Environmental Solutions, Inc.
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Area 28 Remedial Action Completion Report

Survey Information - Existing Conditions

ID	Northing	Easting	Elevation	Description
1408	930235.87	699446.678	430.657801	ELB1
1409	930263.6849	699495.753	429.965048	EWT1
1410	930243.2406	699470.4062	429.799916	EWT1
1411	930238.0244	699446.8223	429.965045	EWT1
1412	930213.9921	699440.6678	431.729315	SEL
1413	930208.2723	699444.0488	433.931701	SEL
1414	930213.4879	699429.7941	431.4129	SEL
1415	930225.5007	699424.1846	430.577072	ELB1
1416	930227.2698	699423.6485	429.178935	EWT1
1417	930222.2496	699411.8166	430.776289	ELB1
1418	930213.3739	699409.6796	433.215324	SEL
1419	930217.7191	699399.3089	432.059906	SEL
1420	930209.8833	699400.7738	434.69749	SEL
1421	930207.2341	699387.6346	434.728633	SEL
1422	930214.1787	699379.7972	431.677321	SEL
1423	930222.7636	699382.3224	431.221444	ELB1
1424	930210.9326	699369.4576	431.057127	ELB1
1425	930200.8035	699375.9535	433.142969	SEL
1426	930198.0523	699353.2362	430.672165	ELB1
1427	930188.4872	699340.8651	430.202914	ELB1
1428	930192.5178	699337.7064	429.502376	EWT1
1429	930181.6961	699352.3271	432.434245	SEL
1430	930174.0581	699362.4166	433.403973	SEL
1431	930131.9628	699420.0988	433.089166	SEL
1432	930151.1206	699434.4035	433.408575	SEL
1433	930171.0559	699431.5665	433.801212	ELB3
1434	930175.5732	699426.6638	433.502555	ELB3
1435	930184.9061	699429.9412	433.826957	ELB3
1436	930179.0966	699433.1021	436.727239	SEL
1437	930174.5241	699439.7864	436.839158	SEL
1438	930176.9697	699442.1193	434.982469	ELB3
1439	930313.6576	699371.8674	433.577052	ELB4
1440	930304.0713	699366.4945	434.086194	ELB4
1441	930295.5729	699366.2863	434.205611	ELB4
1442	930278.4591	699378.9258	433.815202	ELB4
1443	930264.8603	699386.3823	434.30919	ELB4
1444	930250.9743	699388.849	434.05245	ELB4
1445	930249.3656	699384.9908	433.857834	ELB4
1446	930248.3851	699376.2616	434.138696	ELB4
1447	930250.8259	699374.1733	433.496377	ELB6
1448	930258.2412	699379.6761	433.951267	ELB6
1449	930269.2399	699370.4962	434.230011	ELB6
1450	930264.6551	699365.7478	433.651966	ELB6
1451	930265.016	699358.0522	433.563251	ELB6
1452	930263.9804	699353.3895	432.966625	ELB6
1453	930445.7477	699587.7912	434.524869	ELB4
1454	930441.3956	699591.7315	432.477291	ELB5
1455	930418.9	699565.4969	434.647817	ELB4
1456	930417.5337	699582.6525	431.279781	ELB5
1457	930407.3938	699568.9065	431.140151	ELB5
1458	930394.775	699555.4582	430.911834	ELB5
1459	930393.3687	699556.223	430.014492	EWT4
1460	930402.2621	699543.3641	435.120567	ELB4

Appendix G
SLC Environmental Solutions, Inc.
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ID	Northing	Easting	Elevation	Description
1461	930387.7106	699530.6911	434.191625	ELB4
1462	930384.3246	699534.1012	431.957675	ELB5
1463	930380.2117	699516.5243	434.852122	ELB4
1464	930363.1335	699513.4706	431.476163	ELB5
1465	930367.8337	699520.222	429.296671	EWT4
1466	930359.1243	699513.2904	429.615806	EWT4
1467	930360.7755	699512.2826	431.273631	SEL
1468	930367.9721	699510.1593	431.603836	ELB5
1469	930347.0738	699505.9734	431.310195	SEL
1470	930347.0622	699506.5971	429.390021	EWT4
1471	930337.5067	699502.9783	429.340389	EWT4
1472	930337.4979	699501.7223	431.310464	SEL
1473	930316.2262	699498.6014	431.287498	SEL
1474	930317.4707	699499.4782	429.215679	EWT4
1475	930294.3803	699492.8992	431.049143	SEL
1476	930295.0283	699494.4253	429.171873	EWT4
1477	930273.9277	699481.6852	431.262967	SEL
1478	930273.605	699482.5565	429.62837	EWT4
1479	930262.3208	699468.6179	431.000712	SEL
1480	930261.3143	699469.2161	429.486779	EWT4
1481	930258.4228	699450.1718	430.846294	SEL
1482	930252.6318	699426.058	430.409208	SEL
1483	930251.2852	699426.5169	429.628231	EWT4
1484	930250.4047	699415.596	429.400853	EWT4
1485	930257.4461	699411.212	429.320301	EWT4
1486	930259.5656	699415.7586	430.577352	SEL
1487	930276.0832	699411.5216	429.673406	EWT4
1488	930288.7248	699405.7388	429.451258	EWT4
1489	930307.6097	699421.0049	429.548531	EWT4
1490	930321.1775	699421.3246	429.648264	EWT4
1491	930320.6537	699433.8038	430.367796	ELB5
1492	930327.7787	699451.5114	430.552197	ELB5
1493	930338.6268	699467.0666	431.166062	ELB5
1494	930345.0561	699459.3229	434.857958	ELB4
1495	930353.538	699473.8627	435.012424	ELB4
1496	930345.9707	699476.7111	431.273124	ELB5
1497	930150.5633	699409.5426	433.36381	ex gnd
1498	930283.6431	699473.2475	431.169839	ex gnd
1499	930276.5474	699456.3434	431.369128	ex gnd
1600	930266.8463	699428.7089	430.700109	ex gnd
1601	930306.3016	699445.6749	431.079417	ex gnd
1602	930316.0635	699475.5676	431.319447	ex gnd
1603	930247.0003	699394.8765	429.072401	ewt10
1604	930244.014	699389.6438	430.127142	ewt10
1605	930251.2181	699395.5453	429.201603	ewt11
1606	930267.7535	699393.5875	429.779	ewt11
1607	930284.0391	699385.1573	429.697445	ewt11
1608	930297.3081	699374.5462	428.91834	ewt11
1609	930305.3809	699376.0082	428.882268	ewt11
1938	930345.8426	699508.6245	428.812385	CREEK
1939	930337.1447	699505.0996	428.989665	CREEK
1940	930315.9144	699502.5096	428.473996	EWT4
1941	930301.0516	699497.3061	429.041835	CREEK

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ID	Northing	Easting	Elevation	Description
1942	930297.797	699497.2737	429.083016	CREEK
1944	930292.5175	699497.0597	428.700858	CREEK
1951	930260.3741	699471.2311	429.131134	CREEK
1952	930272.088	699483.15	429.18752	CREEK
1958	930250.3622	699445.3572	429.533444	CREEK
1959	930229.9607	699428.1529	429.57467	EWT1
1960	930247.0936	699415.3787	429.172566	CREEK
1961	930248.1014	699415.192	429.197147	CREEK
1962	930247.5226	699422.05	429.123986	CREEK
1963	930228.5504	699423.4001	428.793105	CREEK
1964	930226.5701	699413.4713	428.810445	CREEK
1965	930227.8266	699404.0572	430.429095	EWT1
1966	930248.0393	699411.5077	428.809448	CREEK
1967	930228.5929	699393.6906	430.210407	EWT1
1968	930224.5632	699381.3118	430.394889	EWT1
1969	930212.8953	699368.1106	430.477806	EWT1
1970	930200.5252	699351.7398	429.775232	EWT1
1975	930247.1092	699390.563	430.413131	EX GND
1976	930257.16	699442.3638	429.607623	EWT4
1977	930252.7176	699451.2814	429.712909	EWT4
50000	930478.6443	699653.033	432.187691	inv s30"hdpe
50001	930498.2595	699645.8246	434.921775	top of dam
50002	930694.1118	699951.2969	437.638291	nail
50003	930802.7016	700010.2943	433.760576	sw weire
50004	930811.6847	700020.1139	431.9045	cl weire
50005	930813.8003	700020.4863	431.693954	ne low pt
50006	930812.6331	700020.2992	431.548729	ne low pt
50007	930811.3681	700020.0202	431.882657	cl weire
50008	930826.7398	700022.9211	433.757009	ne cor weire
50009	930814.3648	700020.5282	432.188392	ne weire
50010	930810.0885	700018.872	431.705585	s low pt
50011	930809.83	700017.6996	432.175147	s weire
50012	930812.1479	700021.3473	431.245877	cl stream
50013	930813.0644	700017.3033	430.756833	cl stream
50014	930820.6453	700025.2747	433.164603	n top bank
50015	930799.6238	700011.1776	434.404788	s top bank
50016	930794.4117	700036.3688	434.187521	brass bolt@creek

Key for descriptions can be found at the end of Appendix G

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Survey Information - Excavation

ID	Northing	Easting	Elevation	Description
11003	930455.1378	699661.5238	433.90925	SEL
11004	930459.955	699655.0296	434.670154	SEL
11007	930423.3824	699659.9842	432.253012	SEL
11009	930386.6017	699644.9471	434.731436	SEL
11010	930417.1563	699647.6212	431.529822	SEL
11012	930384.5193	699642.9768	435.453788	SEL
11015	930357.7534	699613.0581	435.122291	SEL
11016	930387.2122	699625.1652	433.289959	SEL
11017	930395.446	699615.3943	432.779932	sel
11018	930408.8579	699610.0971	427.58	SEL
11019	930357.1878	699604.1572	432.70919	SEL
11020	930373.5726	699591.5134	430.996999	SEL
11021	930374.1828	699590.0974	429.518199	SEL
11022	930355.3138	699569.7938	429.5979	SEL
11023	930353.0919	699570.589	429.844562	SEL
11024	930345.4071	699574.943	430.92732	SEL
11025	930337.6326	699589.4267	431.092956	SEL
11026	930334.2575	699589.9004	431.913352	SEL
11027	930319.2196	699605.4918	437.222318	SEL
11031	930299.3756	699587.4938	437.952661	SEL
11032	930299.7267	699582.2122	437.291456	SEL
11033	930315.1287	699570.3141	433.640392	SEL
11034	930315.5492	699565.9581	433.371061	SEL
11035	930328.3974	699557.6113	430.89695	SEL
11038	930294.3027	699545.2548	438.27	SEL
11039	930294.611	699543.8713	437.859356	SEL
11042	930270.8492	699514.2994	431.473297	SEL
11055	930156.5254	699430.1569	432.802014	SEL
11056	930193.4352	699427.1289	433.052636	SEL
11057	930196.5565	699425.7369	432.998021	SEL
11058	930198.0561	699423.3766	432.953282	SEL
11060	930147.0167	699390.9726	432.794377	SEL
11061	930149.2543	699387.2568	432.962732	SEL
11062	930180.1106	699381.6355	433.139833	SEL
11063	930193.1286	699390.0057	433.324145	SEL
11065	930187.6221	699353.561	430.884857	SEL
11101	930431.8117	699606.183	428.269555	SEL
11102	930439.488	699631.3348	430.934676	SEL
11103	930436.4066	699629.8956	429.423088	SEL
11104	930424.2087	699622.9439	427.969929	SEL
11105	930418.0895	699618.3453	428.182584	SEL
11106	930409.8102	699609.5266	427.49	SEL
11107	930407.9146	699607.4747	427.694864	SEL
11109	930423.8935	699593.8629	427.417106	SEL
11110	930383.6029	699581.0451	427.528922	SEL
11112	930405.3607	699570.3855	427.790664	SEL
11113	930409.2609	699573.8414	427.893338	SEL
11115	930362.2867	699561.2733	428.723589	SEL
11116	930358.1633	699557.3481	429.980744	SEL
11118	930350.0888	699553.4269	429.561915	SEL
11119	930349.3306	699531.5365	426.361613	SEL
11120	930349.8362	699518.749	426.184172	SEL
11121	930348.9779	699512.1963	425.26753	SEL
11122	930359.4804	699516.5662	427.173115	SEL
11123	930371.0319	699524.4534	428.111079	SEL
11124	930382.5526	699537.7681	428.284521	SEL

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ID	Northing	Easting	Elevation	Description
11125	930380.3593	699540.1042	427.907151	SEL
11126	930382.6886	699544.1255	427.752564	SEL
11127	930389.7592	699539.1909	430.47222	SEL
11129	930342.8534	699515.9769	426.429919	SEL
11130	930331.2761	699524.807	426.594252	SEL
11131	930327.444	699532.0922	426.662282	sel rock
11132	930316.8972	699522.9915	429.087689	SEL
11133	930341.0851	699549.3062	429.5	SEL
11134	930332.552	699544.8914	429.45	SEL
11135	930323.883	699538.5656	429.643756	SEL
11136	930314.7013	699530.7204	429.143344	SEL
11137	930302.5906	699521.2166	429.211784	SEL
11144	930333.3576	699535.2773	426.583251	sel rock
11145	930286.7264	699512.3221	429.176974	SEL
11146	930275.6104	699505.3566	429.044414	SEL
11147	930301.0267	699521.3269	430.594286	SEL
11148	930296.7633	699523.7582	431.419669	SEL
11149	930313.7988	699540.7882	431.481945	SEL
11150	930317.8784	699537.5494	429.975614	SEL
11151	930326.659	699554.5394	430.620302	SEL
11152	930321.6372	699559.0212	431.522029	SEL
11153	930343.8163	699564.9324	430.621593	SEL
11154	930355.5098	699557.7701	430.056446	SEL
11155	930319.5497	699577.975	432.184144	SEL
11156	930331.4682	699585.5818	431.753041	SEL
11157	930355.3044	699597.6187	431.425823	SEL
11158	930374.7746	699576.6728	430.234648	SEL
11159	930394.9713	699596.5727	428.611174	SEL
11160	930376.6548	699612.0873	431.698742	SEL
11161	930418.9476	699623.5251	429.103591	SEL
11162	930391.9128	699639.9837	433.556769	SEL
11163	930442.6635	699636.5776	430.69	SEL
11164	930436.8794	699644.927	431.55	SEL
11165	930455.5139	699653.0086	433.590433	SEL
11175	930439.1745	699659.6529	431.777149	SEL
11176	930428.8416	699650.071	431.848731	SEL
11177	930424.8789	699660.6149	432.5	SEL
11202	930437.3029	699595.5333	428.045512	SEL
11203	930427.48	699559.5322	432.493099	SEL
11204	930425.3862	699557.313	432.759227	SEL
11205	930417.093	699560.0202	432.456635	SEL
11207	930394.2984	699527.3018	433.54554	SEL
11209	930392.0407	699525.29	433.385115	SEL
11210	930374.3475	699521.0664	428.898782	SEL
11213	930370.7114	699499.6616	434.096858	PT1213
11215	930354.3851	699493.8797	426.281425	SEL
11217	930336.9684	699477.62	427.523834	SEL
11218	930338.6355	699451.7198	429.797118	SEL
11220	930337.8718	699450.8386	427.5	SEL
11221	930300.4336	699464.0824	425.93	rock
11222	930324.0641	699435.9437	425.848837	rock
11223	930319.0214	699410.6422	426.009649	rock
11224	930321.4618	699404.3737	427.287	sel
11225	930327.0567	699402.5381	431.829377	SEL
11228	930276.1654	699445.0853	426.01	rock

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ID	Northing	Easting	Elevation	Description
11229	930286.0717	699432.3641	425.5	rock
11230	930288.8245	699416.0358	426.371441	rock
11231	930284.4867	699406.7702	426.265627	rock
11232	930270.2754	699403.3177	426.615566	rock
11233	930290.3992	699391.6767	426.48	rock
11234	930307.3055	699382.7565	425.73	rock
11235	930307.7432	699381.009	427.132663	SEL
11236	930321.7939	699370.254	433.304284	SEL
11241	930323.4248	699356.3161	431.511246	SEL
11242	930321.8846	699364.4772	432.883742	SEL
11243	930303.0696	699353.465	433.106781	SEL
11244	930306.949	699353.0173	432.924097	sel
11245	930295.2628	699359.8192	432.929907	SEL
11246	930295.4067	699363.7971	432.460236	SEL
11247	930277.4983	699377.5711	432.666517	SEL
11248	930266.0504	699374.7862	433.227861	SEL
11249	930264.3965	699378.2744	433.071224	SEL
11250	930261.9556	699362.4035	430.512705	SEL
11251	930259.3665	699358.7883	429.428783	SEL
11254	930284.0769	699344.6602	431.555482	SEL
11415	930225.5177	699424.2267	429.002975	SEL
11416	930227.3278	699423.5891	428.178405	SEL
11417	930222.2566	699411.7808	429.22845	SEL
11418	930213.3189	699409.5389	431.853431	SEL
11419	930217.7109	699399.3964	430.969069	SEL
11420	930209.7064	699400.7485	433.012972	SEL
11421	930207.0693	699387.6207	433.396452	SEL
11422	930214.2068	699379.8243	430.323118	SEL
11423	930222.8378	699382.318	429.798487	SEL
11424	930210.9856	699369.3965	429.009002	SEL
11425	930200.7939	699375.8574	432.022611	SEL
11426	930198.0992	699353.2682	428.882805	SEL
11434	930175.6492	699426.6108	432.594232	SEL
11439	930313.6199	699371.8227	431.946221	SEL
11440	930304.0273	699366.4582	432.668951	SEL
11441	930295.5472	699366.2938	432.2954	SEL
11442	930278.3351	699378.9063	432.608513	SEL
11443	930264.871	699386.3446	431.899531	SEL
11444	930251.0573	699388.6984	430.803733	SEL
11449	930269.1597	699370.555	433.425393	SEL
11450	930264.6528	699365.7142	430.728586	SEL
11451	930264.9664	699358.1282	432.468612	SEL
11455	930419.0155	699565.343	430.794363	SEL
11456	930417.4568	699582.7494	427.407147	SEL
11457	930407.3711	699568.9467	427.883249	SEL
11461	930387.7872	699530.5469	432.217392	SEL
11462	930384.2743	699534.0945	429.391387	SEL
11465	930367.7797	699520.2987	427.567891	SEL
11467	930360.9113	699512.2804	427.79037	SEL
11468	930368.0484	699510.2669	429.532416	SEL
11469	930347.2029	699505.8306	425.693664	SEL
11470	930347.0253	699506.9635	425.755621	SEL
11471	930337.4255	699503.1715	425.7756	SEL
11472	930337.8079	699501.4206	425.708665	SEL
11473	930316.3376	699498.1792	427.540347	SEL

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ID	Northing	Easting	Elevation	Description
11474	930317.7125	699499.5187	427.775463	SEL
11475	930294.4392	699492.9752	426.838181	roock
11476	930295.3408	699494.4247	427.058744	rock
11477	930273.9922	699481.7766	426.5823	rock
11478	930273.605	699482.5565	426.59	rock
11479	930262.415	699468.6332	426.574812	rock
11480	930261.3227	699469.1118	426.735647	rock
11481	930258.4738	699450.2659	427.010675	rock
11482	930252.5225	699426.1026	426.904448	rock
11483	930251.2286	699426.5326	427.167277	rock
11484	930250.3778	699415.6132	427.033073	rock
11485	930257.4263	699411.226	426.625047	rock
11486	930259.5501	699415.7506	426.365702	rock
11487	930275.9864	699411.4571	426.092246	rock
11488	930288.8277	699405.6968	426.120694	rock
11489	930307.6468	699421.0627	426.0239	rock
11490	930321.1194	699421.1977	426.064121	rock
11491	930320.5481	699433.6791	425.508902	rock
11492	930327.734	699451.4728	425.315269	rock
11493	930337.978	699467.1619	427.112414	SEL
11497	930150.5104	699409.5403	432.850981	SEL
11498	930283.6523	699473.5031	426.147869	rock
11499	930276.4677	699456.349	425.966354	rock
11500	930437.4572	699603.0425	427.883223	SEL
11501	930431.5424	699575.4571	429.991959	SEL
11502	930423.1754	699579.745	428.672716	SEL
11503	930416.3511	699647.5614	433.124873	sel
11504	930434.0858	699630.5891	428.63966	sel
11505	930416.3299	699629.572	431.020436	sel
11506	930413.334	699630.4631	432.69216	sel
11507	930387.4474	699625.3105	432.442063	SEL
11508	930395.6507	699615.5015	432.316544	SEL
11509	930417.1563	699647.6212	432.5	SEL
11510	930417.1691	699647.83	433	SEL
11511	930436.5839	699629.9662	428.5	sel
11512	930395.4088	699615.4769	430.977446	SEL
11513	930408.8579	699610.0971	428.05	SEL
11514	930409.8102	699609.5266	427.44	SEL
11515	930396.2427	699604.6889	427.808667	sel
11516	930401.8909	699597.1917	427.990747	sel
11517	930409.712	699605.2367	428.111462	sel
11518	930373.5853	699591.4305	429.43813	SEL
11519	930385.9493	699579.9089	427.542524	sel
11520	930373.9496	699589.9981	429.364158	SEL
11521	930383.5638	699581.0212	428	SEL
11522	930337.5819	699589.5518	432.017658	SEL
11523	930345.3089	699574.8367	431.773897	SEL
11524	930362.3321	699561.0275	430.230108	SEL
11525	930355.2143	699569.9721	430.552036	SEL
11526	930353.4299	699570.5913	430.575424	SEL
11527	930270.4213	699519.2937	432.166263	sel
11528	930184.0154	699411.4468	433.384162	sel
11529	930194.7122	699409.941	433.742136	sel
11530	930195.6564	699409.8906	432.764313	sel
11531	930198.1242	699423.5059	433.4	sel

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ID	Northing	Easting	Elevation	Description
11532	930166.6361	699410.5085	432.841577	sel
11533	930193.1055	699390.0919	433.81133	SEL
11534	930180.1054	699381.7475	432.634464	SEL
11535	930300.4336	699464.0824	427.9	SEL
11536	930306.2838	699445.5918	427.543734	SEL
11537	930276.1654	699445.0853	427.77	SEL
11538	930286.0717	699432.3641	427.03	SEL
11539	930337.8718	699450.8386	430.6	SEL
11540	930323.1785	699436.7248	427.009822	SEL
11541	930327.7775	699451.5534	426.989176	SEL
11542	930288.7352	699415.2746	427.569	SEL
11543	930307.7446	699421.0248	426.843021	SEL
11544	930319.3521	699408.4864	426.901	SEL
11545	930286.1084	699432.4085	428.040041	SEL
11546	930321.3117	699421.3501	427.1	SEL
11547	930320.3767	699433.0338	427.42952	SEL
11548	930324.5549	699436.196	428.482816	SEL
11549	930322.7369	699455.1183	425.579538	rock
11550	930314.6617	699456.5673	424.895147	rock
11551	930311.8608	699448.8314	425.481338	rock
11552	930287.068	699431.7565	426.359189	rock
11553	930324.2099	699436.0779	427.3	SEL
11554	930288.6669	699415.1915	427.568692	SEL
11555	930319.2944	699408.5593	426.765319	SEL
11556	930320.7371	699404.1143	427.011652	rock
11557	930258.1268	699446.5507	427.002337	rock
11558	930259.1457	699445.9968	426.425604	rock
11559	930257.0571	699442.1538	427.302896	rock
11560	930264.2089	699406.0217	425.458414	inv e15"rcmp
11561	930265.1142	699412.2237	425.198437	rock
11562	930261.8093	699411.5793	425.164258	rock
11563	930260.9044	699406.6559	425.803207	rock
11564	930259.6492	699407.7793	426.51056	rock
11565	930260.4053	699412.6203	426.440466	rock
11566	930261.3407	699419.3728	426.474246	rock
11567	930271.3111	699417.9904	424.991232	rock
11568	930247.9926	699411.6097	427.808414	SEL
11569	930270.3514	699403.2083	426.616894	SEL
11570	930290.3988	699391.6526	427.781806	SEL
11571	930277.3302	699377.6409	431.409975	SEL
11572	930278.4658	699378.9804	431.10822	SEL
11573	930284.1455	699385.199	428.065566	SEL
11574	930290.3852	699391.6431	426.7749	SEL
11575	930307.1842	699382.8677	426.518579	SEL
11576	930296.5878	699372.0751	426.786235	inv e24"rcmp
11577	930284.4608	699406.8175	428.37	SEL
11600	930266.8457	699428.7686	426.267773	rock
11601	930306.2258	699445.706	426.012	rock
11603	930247.0164	699394.9512	428.076452	SEL
11604	930315.7568	699475.6375	426.934981	SEL
11605	930251.141	699395.5649	428.288279	SEL
11606	930267.8077	699393.6854	428.52394	SEL
11607	930284.0903	699385.2282	428.8	SEL
11608	930297.3589	699374.5672	425.671002	SEL
11609	930305.4503	699376.0358	427.524142	SEL

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ID	Northing	Easting	Elevation	Description
11700	930295.4029	699363.6756	433.109946	SEL
11701	930309.8509	699351.5697	432.874054	SEL
11702	930324.6858	699372.2299	432.620072	SEL
11703	930326.334	699377.8093	432.726596	SEL
11704	930329.2224	699384.7427	433.478475	SEL
11705	930328.7806	699396.7073	433.733575	SEL
11706	930322.3337	699404.5569	428.992484	SEL
11707	930269.5864	699352.4283	433.127123	SEL
11708	930270.536	699358.4957	433.288994	SEL
11709	930228.4639	699423.4071	427.988193	rock
11721	930300.2727	699465.1123	426.939265	SEL
11722	930299.0366	699496.9901	427.981187	SEL
11723	930337.7496	699452.1991	426.066111	bot
11724	930316.0389	699475.5791	424.083875	bot
11725	930300.9585	699463.7778	424.568672	bot
11726	930297.624	699497.3468	426.377017	bot
11727	930301.2046	699497.1141	425.959648	bot
11728	930337.2326	699476.9568	424.535479	bot
11729	930337.1679	699466.249	424.473242	bot
11730	930316.2875	699498.894	424.95138	bot
11731	930315.2363	699497.1225	424.424879	bot
11732	930317.6333	699498.5695	425.094272	bot
11733	930333.4703	699498.4371	425.324168	SEL
11734	930336.3678	699489.4379	425.423291	SEL
11735	930337.4001	699477.5775	425.876473	SEL
11736	930370.2532	699505.1609	431.150633	SEL
11737	930367.1571	699504.4523	430.658643	SEL
11738	930371.4983	699503.1641	434.653034	tre 18in
11739	930374.511	699520.6506	429.020996	SEL
11740	930370.8371	699524.0844	428.089855	SEL
11741	930341.2013	699549.1384	427.109476	SEL
11742	930349.9642	699553.158	428.618896	stump
11743	930348.045	699552.0103	427.448399	sel rock
11744	930332.4828	699544.5765	426.801587	sel rock
11745	930324.0557	699538.3892	427.16733	sel rock
11746	930323.1267	699538.7866	428.217235	SEL
11747	930331.0654	699525.0588	429.401453	SEL
11748	930327.4613	699532.1285	428.737185	SEL
11749	930314.5625	699530.4758	428.720308	SEL
11750	930314.7744	699530.6459	428.279049	SEL
11751	930302.4089	699521.0696	428.818391	SEL
11938	930345.856	699508.5797	425.813728	SEL
11939	930337.1715	699505.1628	425.882702	SEL
11940	930317.25	699502.5589	426.555408	SEL
11941	930300.9526	699497.2479	427.760028	SEL
11942	930297.675	699497.2012	427.268262	rock
11944	930292.7546	699497.0606	426.991246	rock
11951	930260.5398	699471.2254	426.223953	rock
11952	930272.088	699483.15	426.5	rock
11958	930250.621	699445.3308	427.791621	rock
11959	930229.8814	699428.1137	428.768097	SEL
11960	930247.057	699415.3627	428.047473	SEL
11961	930248.0731	699415.1723	427.09311	rock
11962	930247.6026	699422.0631	427.369121	rock

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ID	Northing	Easting	Elevation	Description
11963	930228.4754	699423.3679	428.230973	SEL
11964	930226.5024	699413.5359	428.216083	SEL
11965	930227.8624	699404.0817	429.133565	SEL
11966	930247.993	699411.4274	427.263198	rock
11967	930228.7053	699393.6644	429.152155	SEL
11968	930224.5076	699381.3006	429.347205	SEL
11969	930212.9001	699368.204	428.862114	SEL
11970	930200.525	699351.779	428.73378	SEL
11975	930247.2824	699390.6621	429.480797	SEL
11976	930257.1363	699442.4149	426.417332	rock
11977	930252.7176	699451.2814	426.98	rock
20000	930327.594	699464.9398	424.159214	samp na71
30000	930422.9623	699634.3182	430.694563	sa97
30001	930352.8225	699590.3426	431.354885	sa90
30002	930312.9393	699587.1149	434.752301	sa85
30003	930198.4586	699371.5035	431.373367	sa69
30004	930299.6056	699422.6234	426.263425	na61
30005	930291.3503	699381.7639	426.412837	na77
30006	930265.2971	699427.3612	426.362038	na65
30007	930377.9559	699529.6716	428.550744	na79 samp
30009	930340.7808	699536.1044	426.171002	sb46 samp

Key for descriptions can be found at the end of Appendix G

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ID	Northing	Easting	Elevation	Decription
70000	930478.3728	699993.1509	448.076036	DCP1 ST
70001	930479.5164	699991.2333	447.963666	DCP1
70002	930475.857	699984.9196	448.057784	DCP1
70003	930468.9155	699980.8956	448.192474	DCP1
70004	930461.6758	699981.4477	448.584001	DCP1
70005	930422.3205	699960.1262	449.40286	DCP1
70006	930420.9579	699962.592	449.589873	DCP1
70007	930413.3974	699958.3442	449.637443	DCP2 ST
70008	930419.1803	699952.6009	449.424579	DCP2
70009	930432.8133	699933.3879	449.021125	DCP2
70010	930431.7565	699932.5944	449.055755	DCP2
70011	930457.2877	699911.6451	447.471417	DCP3 ST
70012	930472.4395	699900.6039	446.293586	DCP3
70013	930474.7593	699902.4281	446.065272	DCP3
70014	930475.2248	699906.0424	446.0917	DCP3
70015	930471.3979	699912.7499	446.54715	DCP3
70016	930465.5755	699917.8355	446.943398	DCP3
70017	930459.9329	699918.8235	447.490433	DCP3
70018	930456.3708	699915.3553	447.676178	DCP3
70019	930491.6822	699920.878	445.806912	DCP4 ST
70020	930483.7632	699934.8126	446.865538	DCP4
70021	930484.6185	699950.4199	447.342057	DCP4
70022	930487.0624	699957.3413	447.32445	DCP4
70023	930493.1789	699960.917	447.068888	DCP4
70024	930496.8893	699960.979	446.934956	DCP4
70025	930496.8911	699961.4948	446.435833	SDR1 ST
70026	930480.0983	699991.2188	447.478097	SDR1
70027	930476.2607	699984.5462	447.752351	SDR1
70028	930469.1719	699980.4423	447.913977	SDR1
70029	930461.7792	699980.9696	448.327934	SDR1
70030	930422.1571	699959.4683	449.136907	SDR1
70031	930420.7537	699961.9468	449.300403	SDR1
70032	930414.3687	699957.813	449.18143	SDR1
70033	930419.5738	699952.9577	449.122252	SDR1
70034	930433.5591	699933.2113	448.7739	SDR1
70035	930431.4278	699931.5771	448.840144	SDR1
70036	930430.2414	699928.1402	448.611705	SDR1
70037	930437.4255	699917.5109	447.992838	SDR1
70038	930451.5583	699913.4456	447.368446	SDR1
70039	930455.799	699915.5332	447.301092	SDR1
70040	930459.8076	699919.3492	447.348015	SDR1
70041	930465.6869	699918.3671	446.721082	SDR1
70042	930471.8936	699912.9728	446.119516	SDR1
70043	930489.6386	699923.4648	445.57263	SDR1
70044	930483.311	699934.5684	446.565593	SDR1
70045	930484.1906	699950.5849	447.011047	SDR1
70046	930486.5824	699957.651	447.080383	SDR1
70047	930492.8703	699961.3213	446.79519	SDR1
70048	930492.589	699932.7795	446.42729	RWL1 ST
70049	930493.0535	699938.8619	446.449766	RWL1
70050	930497.2332	699940.804	446.455161	RWL1
70051	930502.888	699937.3615	446.446744	RWL1

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ID	Northing	Easting	Elevation	Decription
70052	930518.7531	699907.5125	446.363495	RWL1
70053	930517.9051	699901.953	446.39441	RWL1
70054	930514.2814	699900.6208	446.431152	RWL1
70055	930508.8928	699903.0555	446.434875	RWL1
70056	930507.7266	699901.8307	443.416995	RWLB1 ST
70057	930491.596	699932.228	445.838587	RWLB1
70058	930492.3368	699939.7848	445.98818	RWLB1
70059	930496.9967	699941.9255	445.775359	RWLB1
70060	930503.9863	699937.9417	445.071797	RWLB1
70061	930520.5791	699908.0652	442.495802	RWLB1
70062	930518.9435	699900.6332	442.395236	RWLB1
70063	930514.4338	699898.8902	442.597736	RWLB1
70064	930495.2206	699699.8676	437.252636	HTP70064
70065	930609.8838	699801.0651	439.290082	CHK1
70066	930594.969	699752.0102	438.964867	RWL2 ST
70067	930599.0325	699749.346	438.976052	RWL2
70068	930602.8241	699751.6406	438.973712	RWL2
70069	930602.562	699755.8781	438.989473	RWL2
70070	930586.416	699789.3249	439.00051	RWL2
70071	930568.9058	699825.6657	438.943314	RWL2
70072	930566.219	699827.63	438.976379	RWL2
70073	930561.6681	699826.9257	438.962026	RWL2
70074	930561.0234	699822.3491	438.969632	RWL2
70075	930578.863	699785.2386	438.922286	RWL2
70076	930577.7819	699784.6484	437.303093	RWLB2 ST
70077	930593.7231	699751.3249	436.199553	RWLB2
70078	930598.7073	699748.0532	436.671032	RWLB2
70079	930603.9213	699751.2435	437.903438	RWLB2
70080	930603.5494	699756.3512	438.392832	RWLB2
70081	930587.4422	699789.7404	438.371605	RWLB2
70082	930569.8906	699826.1452	438.316321	RWLB2
70083	930566.5498	699828.7295	437.883756	RWLB2
70084	930560.7462	699827.7103	437.760346	RWLB2
70085	930559.9248	699821.8745	437.664884	RWLB2
70086	930556.1059	699825.1609	437.514757	DCH1 ST
70087	930556.7451	699820.8519	437.258386	DCH1
70088	930575.4745	699783.4716	436.406755	DCH1
70089	930592.9308	699748.691	435.695635	DCH1
70090	930595.3998	699736.0291	432.99704	RPR1 ST
70091	930592.5741	699739.4645	435.630603	RPR1
70092	930588.8147	699745.5506	436.171178	RPR1
70093	930594.1042	699749.0301	435.8459	RPR1
70094	930594.9317	699749.8758	436.289125	RPR1
70095	930600.7622	699748.1101	437.120126	RPR1
70096	930605.3884	699742.1109	435.658225	RPR1
70097	930602.5022	699741.0698	433.858992	RPR1
70098	930603.9264	699738.5609	431.013262	RPR1
70099	930598.4954	699744.3724	435.881236	SEL
70100	930594.3883	699741.9117	436.065506	SEL
70101	930590.2869	699748.3043	436.505204	CDR1 ST
70102	930568.5856	699736.4823	436.468904	CDR1
70103	930561.3232	699749.5548	436.510701	CDR1

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ID	Northing	Easting	Elevation	Decription
70104	930583.0307	699761.4193	436.472353	CDR1
70105	930570.3199	699730.1189	435.45397	UPL
70106	930566.428	699730.3698	435.609327	GW
70107	930568.4359	699736.4373	435.949783	SDR2 ST
70108	930561.2257	699749.5481	436.186991	SDR2
70109	930583.0709	699761.5504	436.122264	SDR2
70110	930590.4356	699748.394	436.129034	SDR2
70111	930590.8455	699748.6123	436.028145	SDR2
70112	930573.1951	699782.2813	436.744079	SDR2
70113	930553.6487	699820.1623	437.4609	SDR2
70114	930553.4766	699828.1576	437.688559	SDR2
70115	930562.5408	699828.893	437.776687	SDR2
70116	930567.5027	699828.8274	437.989457	SDR2
70117	930574.9521	699828.23	439.015931	SDR2 EP1
70118	930565.6652	699845.8159	439.398121	SDR2 EP1
70119	930561.4768	699849.183	439.369517	SDR2 EP1
70120	930542.3156	699885.0998	440.728609	SDR2 EP1
70121	930508.4454	699855.6322	440.14433	SDR2
70122	930468.4527	699820.3155	440.470112	SDR2
70123	930437.0259	699798.877	442.074518	SDR2
70124	930415.023	699788.5484	443.740125	SDR2
70125	930381.0544	699783.7007	445.49985	SDR2
70126	930388.7485	699766.5327	444.830185	SDR2
70127	930403.6797	699772.4339	444.176856	SDR2
70128	930408.8573	699764.5661	442.622778	SDR2
70129	930411.6113	699771.0292	443.497104	SEL
70130	930430.7941	699776.7786	441.845394	SDR2
70131	930461.3396	699793.247	440.401338	SDR2
70132	930498.166	699813.1345	439.203844	SDR2
70133	930525.0486	699827.7495	438.040358	SDR2 RWLB3 ST
70134	930525.5177	699826.7646	438.122357	RWLB3
70135	930469.6022	699796.037	438.918315	RWLB3
70136	930411.2213	699763.846	439.573517	RWLB3
70137	930423.4126	699741.3401	439.106664	RWLB3 SDR3 ST
70138	930442.222	699705.9317	438.313364	SDR3
70139	930412.0338	699691.3112	438.081044	SDR3
70140	930427.0734	699659.492	437.71669	SDR3
70141	930458.4067	699675.8761	437.694259	SDR3
70142	930517.8568	699708.5226	437.001122	SDR3 SDR2
70143	930477.4094	699719.7452	437.863927	SEL
70144	930506.7207	699757.8124	437.924816	SEL
70145	930536.018	699785.951	437.634412	SEL
70146	930524.8078	699827.661	438.900911	RWL3 ST
70147	930520.5214	699825.3095	438.919868	RWL3
70148	930520.3409	699825.318	439.569083	RWL3
70149	930491.5718	699809.4332	439.552262	RWL3
70150	930491.3731	699809.4445	440.163954	RWL3
70151	930468.9865	699797.166	440.222575	RWL3
70152	930468.7668	699797.2177	440.842771	RWL3
70153	930454.0725	699789.0649	441.016525	RWL3
70154	930453.88	699789.0602	441.641152	RWL3
70155	930442.8502	699783.1158	441.5692	RWL3

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ID	Northing	Easting	Elevation	Decription
70156	930442.6269	699783.1963	442.213833	RWL3
70157	930425.3565	699773.4993	442.319906	RWL3
70158	930425.0996	699773.5394	442.921714	RWL3
70159	930408.9046	699764.5091	442.841248	RWL3
70160	930411.6453	699759.3277	442.848995	RWL3
70161	930411.8941	699759.2115	442.213274	RWL3
70162	930414.4453	699754.5803	442.228306	RWL3
70163	930414.667	699754.4398	441.593695	RWL3
70164	930417.0512	699750.0656	441.568067	RWL3
70165	930417.2479	699749.9826	440.941208	RWL3
70166	930419.1052	699746.7692	440.947673	RWL3
70167	930419.2652	699746.6315	440.318137	RWL3
70168	930422.323	699740.9151	440.262229	RWL3
70169	930609.888	699801.0679	439.290885	CHK1
70170	930609.786	699753.9936	439.459131	EP1
70171	930592.6506	699792.3006	439.158613	EP1
70172	930535.3345	699899.0422	441.388109	EP1
70173	930533.9651	699907.3287	441.949586	EP1
70174	930512.888	699945.9151	444.811162	EP1
70175	930525.9432	699830.0208	438.46589	FNC1 ST
70176	930469.0637	699798.884	440.248915	FNC1
70177	930407.1708	699764.9645	443.015911	FNC1
70178	930421.5015	699739.1241	439.577739	FNC1
70179	930402.7691	699755.1734	443.46265	STR1
70180	930395.6706	699751.4807	443.458641	STR1
70181	930397.654	699747.9512	442.976337	STR2
70182	930404.7119	699751.6905	442.962938	STR2
70183	930406.6893	699748.2498	442.441817	STR3
70184	930399.5762	699744.4563	442.512896	STR3
70185	930401.4577	699741.0486	442.036821	STR4
70186	930408.6112	699744.7736	441.987693	STR4
70187	930410.5763	699741.3158	441.435704	STR5
70188	930403.431	699737.5697	441.592288	STR5
70189	930405.336	699734.1071	440.990591	STR6
70190	930412.4455	699737.7662	440.912278	STR6
70191	930414.27	699734.3568	440.429553	STR7
70192	930407.171	699730.562	440.538405	STR7
70193	930225.9045	699690.5523	444.278751	SMA1 ST
70194	930272.3083	699723.355	442.958757	SMA1
70195	930308.3044	699738.6965	444.730158	SMA1
70196	930357.4511	699754.363	445.426424	SMA1
70197	930382.3483	699718.2503	440.396559	SMA1
70198	930395.4196	699689.9259	436.738305	SMA1
70199	930395.6348	699656.8603	434.783468	SMA1
70200	930417.3004	699790.3716	444.070785	SMA2 ST
70201	930360.6813	699788.9064	446.438851	SMA2
70202	930325.3572	699793.7377	446.176428	SMA2
70203	930262.6825	699783.4877	448.366262	SMA2
70204	930219.0281	699827.8465	447.798033	SMA2
70205	930189.729	699819.9943	445.842539	SMA2
70206	930170.8664	699798.2172	445.188424	SMA2
70207	930151.5521	699750.0722	443.745698	SMA2

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70208	930134.0818	699707.7292	443.719445	SMA2
70209	930424.3443	699737.2547	438.923988	SMA3 ST
70210	930417.2138	699733.8743	439.971597	SMA3
70211	930414.4682	699734.4371	440.190934	SMA3
70212	930400.9597	699758.0468	443.412494	SMA3
70213	930394.0514	699754.8923	443.45451	SMA3
70214	930408.3798	699728.6349	440.239077	SMA3
70215	930414.2248	699726.1242	439.742329	SMA3
70216	930427.6333	699731.0633	438.969704	SMA3 ELB1 ST
70217	930441.0155	699706.2591	438.623659	ELB1
70218	930411.186	699691.7281	438.973009	ELB1
70219	930418.7717	699671.634	439.012149	ELB1
70220	930426.4744	699658.7928	438.256888	ELB1
70221	930458.8167	699675.1423	438.101784	ELB1
70222	930517.9409	699708.0693	437.307104	ELB1
70223	930568.6872	699735.9706	436.290915	ELB1
70224	930583.115	699732.2401	435.563782	SEL
70225	930537.0083	699707.2177	435.673009	SEL
70226	930511.386	699692.2421	435.862719	SEL
70227	930488.4724	699678.1946	436.650391	CSH 3"
70228	930485.1953	699676.6063	436.72371	CSH 3"
70229	930482.0833	699674.8017	436.818642	CSH 3"
70230	930478.7471	699672.288	436.891509	CSH 3"
70231	930475.9907	699670.0985	436.778857	CSH 3"
70232	930472.1189	699667.7722	436.863503	CSH 3"
70233	930464.9029	699663.2048	436.60314	CSH 3"
70234	930461.6532	699661.1219	436.520472	CSH 3"
70235	930457.9261	699659.2764	436.349181	CSH 3"
70236	930454.5023	699656.8787	436.207957	CSH 3"
70237	930451.5549	699655.1231	436.053007	CSH 3"
70238	930448.3271	699652.8869	435.635353	CSH 3"
70239	930445.3846	699650.9055	435.317357	CSH 3"
70240	930442.264	699648.7153	434.808551	CSH 3"
70241	930438.1561	699646.902	434.56534	CSH 3"
70242	930469.228	699665.8709	436.697155	CST 3"
70243	930423.3618	699721.691	438.350749	ELB2
70244	930407.7099	699706.5877	437.368364	ELB2
70245	930399.7023	699690.7293	436.525138	ELB2
70246	930401.0474	699675.24	435.134501	ELB2
70247	930404.9075	699653.921	434.32475	ELB2
70248	930490.1392	699675.5614	436.018888	ELB3 ST
70249	930468.4291	699660.327	435.982494	ELB3
70250	930448.7505	699649.6372	434.956426	ELB3
70251	930444.1036	699641.2324	432.759321	ELB3 RPR2 ST
70252	930422.5251	699625.6323	432.423878	ELB3
70253	930402.8354	699606.1301	432.765536	ELB3
70254	930385.8136	699588.2124	432.244668	ELB3
70255	930371.1458	699575.2773	432.171127	ELB3
70256	930392.4652	699645.819	434.335298	HDG1 ST
70257	930402.8256	699647.5631	434.206932	HDG1
70258	930422.4214	699643.851	434.345295	HDG1
70259	930435.864	699639.5001	433.534259	HDG1

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70260	930419.7912	699626.0607	432.780546	HDG1
70261	930392.1175	699599.7785	432.836317	HDG1
70262	930370.292	699579.6186	432.599078	HDG1
70263	930397.5528	699619.0406	433.667275	TRE 2"
70264	930383.7043	699616.1307	433.948668	TRE 2"
70265	930376.6061	699608.3199	434.069755	TRE 2"
70266	930381.6146	699601.7261	433.448356	TRE 2"
70267	930382.1995	699646.9777	435.642621	CLF1 ST 12
70268	930389.0481	699635.4134	434.619449	CLF1
70269	930384.2258	699622.1517	434.373547	CLF1
70270	930357.9472	699605.7625	434.419874	CLF1
70271	930351.9878	699621.8677	440.018778	CLF1
70272	930338.0659	699585.6501	433.209755	TRE 2"
70273	930340.1686	699577.7605	432.899535	TRE 2"
70274	930441.1035	699637.6589	432.448895	RPR2
70275	930442.6506	699634.2491	431.04401	RPR2
70276	930435.2101	699630.2789	431.130779	RPR2
70277	930415.5071	699613.6956	431.005146	RPR2
70278	930390.0268	699589.0696	430.949784	RPR2
70279	930373.8856	699573.405	430.945611	RPR2
70280	930371.2817	699574.9725	432.085602	RPR2
70281	930353.5226	699557.4994	431.70933	RPR3 ELB3
70282	930347.039	699557.5035	431.824792	RPR3 ELB3
70283	930350.7421	699562.0386	431.798499	HDG1
70284	930356.2647	699586.4913	432.962347	SEL
70285	930408.6885	699632.5974	433.709267	SEL
70286	930186.9785	699450.9561	436.273682	HTP13 CL
70287	930079.8512	699669.6047	442.078252	SMA2
70288	930037.5514	699676.4802	445.018358	SMA2
70289	929959.1191	699614.0779	444.811757	SMA2
70290	929866.9004	699541.7934	444.302353	SMA2
70291	929897.7515	699486.3866	446.331237	SMA2
70292	929918.4604	699453.8269	446.026093	SMA2
70293	929951.0764	699445.6784	445.586439	SMA2
70294	929974.8842	699460.4768	446.559821	SMA2
70295	930002.5285	699470.5134	446.242916	SMA2
70296	930028.0643	699458.1167	446.368812	SMA2
70297	930031.657	699425.0666	445.020076	SMA2
70298	930048.1003	699416.1393	444.792047	SMA2
70299	930056.0114	699419.4937	444.544554	SMA2
70300	930056.0508	699433.4589	444.298171	SMA2
70301	930026.4948	699479.1625	446.131319	SMA2
70302	930018.8093	699498.7548	446.328424	SMA2
70303	930028.2517	699531.3735	444.016759	SMA2
70304	930074.6427	699567.8404	445.161244	SMA2
70305	930057.4506	699431.7112	444.884687	str8
70306	930057.1338	699423.7064	444.930296	str8
70307	930063.064	699423.8262	444.059594	str9
70308	930062.0033	699431.7415	443.996743	str9
70309	930066.8218	699432.6803	442.955338	str10
70310	930068.8892	699424.9285	443.100815	str10
70311	930074.5983	699426.0778	442.045421	str11

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70312	930071.7259	699433.598	442.059222	str11
70313	930076.4185	699434.7515	441.100695	str12
70314	930080.4086	699427.7655	441.036617	str12
70315	930085.3424	699431.1569	440.040465	str13
70316	930080.5152	699437.4327	440.129812	str13
70317	930089.3656	699434.0308	438.998828	str14
70318	930093.4422	699437.0522	438.012229	str15
70319	930097.2927	699440.1095	437.123962	str16
70320	930100.5293	699452.3123	435.023826	str18
70321	930187.2648	699450.9018	436.25511	htp3 cl
70322	930448.8541	699633.4593	429.745742	stm1 st
70323	930430.978	699621.7351	429.52109	stm1
70324	930412.023	699605.1213	429.402366	stm1
70325	930387.0477	699580.8055	429.375887	stm1
70326	930375.1057	699569.0506	429.12275	stm1
70327	930369.7376	699561.4356	428.695916	stm1
70328	930359.4762	699552.7415	428.786699	stm1
70329	930351.8605	699550.6434	429.278189	stm1
70330	930334.8077	699542.705	429.132766	stm1
70331	930314.079	699526.3761	429.364073	stm1
70332	930300.6652	699517.254	429.434584	stm1
70333	930275.8253	699501.2544	429.372563	stm1
70334	930257.6987	699486.2101	429.101471	stm1
70335	930249.6481	699478.2243	429.43042	stm1
70336	930243.0946	699462.1982	429.51795	stm1
70337	930235.9752	699438.0679	429.245703	stm1
70338	930233.0792	699430.0097	428.759087	stm1
70339	930229.7727	699423.5225	428.88457	stm1
70340	930229.014	699403.7541	429.324177	stm1
70341	930219.606	699378.993	429.654516	stm1
70342	930206.6503	699354.9944	429.131126	stm1
70343	930191.4381	699333.4999	429.182831	stm1
70344	930184.8641	699325.6016	429.102826	stm1
70345	930347.9524	699554.2514	431.029164	rpr2
70346	930331.1455	699545.0271	430.862903	rpr2
70347	930317.8843	699534.5427	430.959834	rpr2
70348	930307.2369	699525.0623	430.862705	rpr2
70349	930291.1677	699515.6658	430.827738	rpr2
70350	930273.7834	699503.8862	430.807071	rpr2
70351	930270.157	699508.0223	432.820685	rpr2 elb3
70352	930256.704	699497.4574	433.0786	rpr2 elb3
70353	930246.2938	699489.3625	432.807981	rpr2 elb3
70354	930240.3623	699480.5705	432.382184	rpr2 elb3
70355	930233.6868	699459.4143	431.601244	rpr2
70356	930230.1982	699440.3578	430.957482	rpr2
70357	930227.0133	699429.5272	430.864291	rpr2 elb3
70358	930222.356	699416.7203	430.947638	rpr2 elb3
70359	930223.0011	699403.2096	431.39295	rpr2 elb3
70360	930214.298	699382.3225	431.565454	rpr2 elb3
70361	930213.8944	699378.7632	431.120731	shl1 st
70362	930207.6345	699364.74	430.872248	shl1
70363	930197.3342	699351.2008	431.071725	shl1

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70364	930186.6511	699336.816	430.63245	shl1
70365	930346.5916	699556.7446	431.660484	elb3
70366	930328.9387	699545.8396	432.018095	elb3
70367	930312.2185	699533.8539	432.691822	elb3
70368	930303.4138	699526.3914	432.541106	elb3
70369	930282.696	699515.9715	432.908411	elb3
70370	930241.4467	699471.7086	431.985616	elb3
70371	930235.4681	699453.5851	431.429962	elb3
70372	930194.9401	699377.0371	432.664525	elb3
70373	930176.2639	699364.8547	433.306675	elb3
70374	930321.3446	699546.2236	432.139796	HDG1
70375	930302.536	699530.2325	433.268175	HDG1
70376	930273.7243	699515.479	433.569198	HDG1
70377	930250.546	699498.2939	433.329068	HDG1
70378	930238.0635	699484.9102	433.187365	HDG1
70379	930229.5083	699460.4548	432.224704	HDG1
70380	930226.9691	699446.7111	431.343274	HDG1
70381	930219.9595	699426.3862	430.98224	HDG1
70382	930218.4701	699404.4969	432.309756	HDG1
70383	930214.7316	699391.3893	432.05926	HDG1
70384	930205.491	699370.9961	431.632154	HDG1
70385	930186.2638	699340.9785	431.197317	HDG1
70386	930191.2813	699385.303	433.367432	tre 2"
70387	930206.8616	699384.1075	432.391866	tre 2"
70388	930211.8955	699400.6801	432.754088	tre 2"
70389	930213.1038	699414.8494	432.478829	tre 2"
70390	930215.4139	699426.5511	431.602508	tre 2"
70391	930299.1556	699529.1533	433.742352	tre 2"
70392	930300.2657	699536.6376	435.595278	tre 2"
70393	930309.4083	699547.3863	435.002802	tre 2"
70394	930316.5972	699547.8297	433.010525	tre 2"
70395	930348.483	699631.7057	441.49232	clf1
70396	930357.5931	699648.6663	437.352395	clf1 10
70397	930346.2645	699597.1932	434.066456	SMA3 ST
70398	930319.3927	699606.448	438.189504	SMA3
70399	930297.3949	699586.9398	438.702928	SMA3
70400	930312.4766	699567.2659	435.1414	SMA3
70401	930301.2699	699555.7893	439.209586	SMA3
70402	930293.3051	699546.041	439.447629	SMA3
70403	930284.4795	699530.9135	435.74688	SMA3
70404	930281.1296	699532.164	435.603866	SMA3
70405	930268.9224	699546.0742	436.366851	SMA3
70406	930252.1323	699541.7775	436.646207	SMA3
70407	930245.4262	699550.4681	436.729416	SMA3
70408	930184.6761	699338.1479	431.003091	SMA4 st
70409	930179.5126	699362.0768	432.892037	SMA4
70410	930145.5646	699390.2562	433.434544	SMA4
70411	930155.4208	699431.5978	433.46583	SMA4
70412	930174.3552	699430.4633	434.55502	SMA4
70413	930178.3154	699429.2932	434.673745	SMA4
70414	930186.9133	699438.2135	434.829046	SMA4
70415	930197.0099	699462.8852	435.220976	SMA4

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70416	930195.5101	699484.8354	435.702194	SMA4
70417	930223.3133	699466.8986	432.998221	elb4 elb5 st
70418	930220.5536	699453.9476	432.275228	elb4
70419	930217.8025	699444.8554	431.80266	elb4
70420	930213.2998	699439.4543	432.136312	elb4
70421	930215.3213	699429.737	431.434837	elb4
70422	930212.9615	699416.727	432.319589	elb4 elb5
70423	930215.4282	699456.7417	434.004376	elb5
70424	930211.2525	699448.8447	434.021273	elb5
70425	930207.4975	699438.6676	433.873827	elb5
70426	930207.6631	699427.5202	433.442124	elb5
70427	930199.5526	699407.6364	433.635667	sel
70428	930177.2409	699382.6684	433.446068	sel
70429	930182.2428	699414.8781	433.982213	sel
70430	930214.825	699478.7738	433.934351	sel
70431	930229.6613	699501.158	434.040366	sel
70432	930257.1103	699517.1977	434.079956	sel
70433	930235.3728	699529.9226	434.305411	sel
70434	930312.4856	699577.6933	435.12049	sel
70435	930324.3274	699564.1569	432.782839	sel
70436	930289.3281	699570.3432	440.013979	sel
70437	930279.5513	699561.571	440.921662	sel
70438	930271.6053	699555.4095	439.545224	sel
70439	930445.0936	699604.3479	429.29385	stm2 st
70440	930435.8707	699604.9021	429.287073	stm2
70441	930415.9459	699588.567	429.432032	stm2
70442	930397.7617	699566.8285	429.326582	stm2
70443	930377.2525	699546.0303	429.421274	stm2
70444	930367.6667	699538.5067	429.294066	stm2
70445	930349.5829	699529.0012	429.385365	stm2
70446	930332.4839	699518.8158	429.496066	stm2
70447	930303.2777	699504.3285	429.800321	stm2
70448	930292.9831	699499.2017	429.973436	stm2
70449	930286.9033	699501.213	429.313999	stm2
70450	930269.2856	699488.6446	429.41399	stm2
70451	930258.7642	699475.9012	429.363387	stm2
70452	930249.5121	699449.1897	429.078973	stm2
70453	930244.687	699418.3238	429.245559	stm2
70454	930243.7013	699391.0902	429.162417	stm2
70455	930230.276	699369.5978	429.367714	stm2
70456	930214.1134	699344.3673	428.870831	stm2
70457	930211.0192	699328.4285	428.968214	stm2
70458	930205.7221	699318.3167	428.596705	stm2
70459	930234.03	699368.3886	429.924448	rpr4 st
70460	930239.8588	699366.6974	431.008956	rpr4
70461	930247.4112	699379.9276	431.20521	rpr4
70462	930251.4348	699386.5559	431.212708	rpr4
70463	930255.5665	699386.2079	432.31195	rpr4
70464	930263.9607	699385.6162	432.387452	rpr4
70465	930270.8033	699394.4879	429.906397	rpr4
70466	930235.3991	699364.0106	430.670543	elb6 st
70467	930243.4572	699380.1824	431.420283	elb6

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70468	930248.7983	699389.6807	431.551997	elb6
70469	930254.5173	699390.2376	431.523762	elb6
70470	930269.8014	699387.1902	431.719062	elb6
70471	930277.7534	699382.9961	431.383613	elb6
70472	930288.2347	699373.6005	431.218187	elb6
70473	930296.0714	699369.0089	431.494013	elb6
70474	930307.9122	699372.0855	431.628382	elb6
70475	930309.7353	699379.8438	431.449531	elb6
70476	930318.4362	699390.88	431.702026	elb6
70477	930321.513	699423.5721	430.994897	elb6
70478	930323.7006	699439.2998	431.365121	elb6
70479	930333.5301	699421.8096	435.618296	elb7 st
70480	930330.7842	699402.9377	435.296451	elb7
70481	930324.7634	699383.616	434.168906	elb7
70482	930313.85	699373.9377	432.99582	elb7
70483	930307.5766	699366.1244	433.395165	elb7
70484	930296.6233	699363.5865	433.544287	elb7
70485	930283.4449	699372.3869	432.982779	elb7
70486	930261.9622	699382.6936	433.352609	elb7
70487	930251.0662	699384.6232	433.913269	elb7
70488	930248.02	699375.4041	434.150006	elb7
70489	930241.4614	699364.5667	430.982231	elb7
70490	930256.8043	699386.1318	432.433772	sma5 st
70491	930254.7527	699382.6859	434.000098	sma5
70492	930251.0169	699373.6239	433.293097	sma5
70493	930249.3785	699369.9227	432.188335	sma5
70494	930261.2316	699357.4841	431.285745	sma5
70495	930268.7002	699359.0128	433.758364	sma5
70496	930271.9459	699353.3882	433.287974	sma5
70497	930278.6051	699343.9297	432.319398	sma5
70498	930290.7632	699342.0522	431.452011	sma5
70499	930291.931	699350.692	433.746357	sma5
70500	930313.3982	699350.7081	433.401296	sma5
70501	930323.1252	699354.4313	432.435786	sma5
70502	930324.8662	699365.6343	434.195154	sma5
70503	930331.2154	699382.837	434.439656	sma5
70504	930334.4291	699400.5891	435.249941	sma5
70505	930328.2677	699404.0755	434.778682	sma5
70506	930324.6332	699406.6297	432.654777	sma5
70507	930325.9495	699417.8152	431.713677	sma5
70508	930327.5557	699426.2185	433.285358	sma5
70509	930327.4549	699443.8013	432.080369	sma5
70510	930340.2265	699470.9545	431.279556	sma5
70511	930351.2246	699490.7471	431.61972	sma5
70512	930365.1248	699509.1785	431.84388	sma5
70513	930377.427	699527.323	431.768881	sma5
70514	930382.0162	699524.7542	432.744564	sma5
70515	930386.0316	699521.1135	435.252502	sma5
70516	930393.8492	699529.7606	435.218525	sma5
70517	930390.1375	699537.6666	432.435783	sma5
70518	930398.0897	699548.1786	432.426003	sma5
70519	930415.9945	699559.5052	434.14064	sma5

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70520	930421.7426	699559.1444	434.877248	sma5
70521	930428.2024	699556.2462	435.067401	sma5
70522	930432.5854	699572.36	434.493008	sma5
70523	930438.0135	699589.1877	432.414005	sma5
70524	930446.8557	699597.6849	431.730773	sma5
70525	930431.8106	699583.837	432.915963	TRE 2"
70526	930443.4388	699598.2907	431.878987	elb8 st
70527	930432.8317	699596.4526	431.760867	elb8
70528	930417.6989	699581.0079	432.040041	elb8
70529	930401.2267	699561.4597	432.039944	elb8
70530	930396.0714	699560.5325	430.642173	rpr5 st
70531	930396.1705	699555.458	431.656105	rpr5 elb8
70532	930384.939	699546.5422	431.304785	rpr5 elb8
70533	930378.3901	699539.5383	431.322303	rpr5 elb8
70534	930370.3815	699536.8038	430.995109	rpr5 elb8
70535	930368.6941	699538.7956	429.618064	rpr5
70536	930365.5896	699548.413	429.052958	rpr5
70537	930363.0122	699556.0612	429.352403	rpr5
70538	930365.9734	699560.6477	430.135187	rpr5
70539	930370.8893	699562.752	428.596768	rpr5
70540	930372.7023	699553.1942	428.786705	rpr5
70541	930376.5748	699544.6978	429.420504	rpr5
70542	930372.4026	699542.3368	430.34309	rpr5
70543	930369.1368	699553.2604	430.088933	sel
70544	930369.2299	699537.0069	431.214366	shl2 st
70545	930353.2561	699528.4943	431.520932	shl2 crib
70546	930333.069	699517.2223	431.508708	shl2
70547	930314.4827	699507.8989	431.571229	shl2
70548	930302.1234	699502.323	431.982012	shl2
70549	930291.925	699496.629	431.557666	shl2 elb9 st
70550	930291.8238	699497.8322	430.532743	rpr6 st
70551	930279.9559	699491.1966	430.500982	rpr6
70552	930268.167	699480.8024	430.581207	rpr6
70553	930258.3836	699464.7503	430.331646	rpr6
70554	930276.777	699485.5922	431.249277	elb9
70555	930265.3689	699471.5884	431.551889	elb9
70556	930263.4048	699458.6943	431.846676	elb9
70557	930257.4302	699447.656	431.713792	elb9
70558	930253.2265	699423.6846	431.279152	elb9
70559	930254.7025	699414.4587	431.292726	elb9
70560	930261.9114	699414.4346	431.207008	elb9
70561	930279.3735	699424.832	431.270665	elb9
70562	930296.9928	699432.8076	431.156568	elb9
70563	930307.614	699440.3047	430.973972	elb9
70564	930315.2808	699440.416	430.825563	elb9
70565	930315.6805	699426.7901	431.049202	elb9
70566	930321.0826	699423.3133	430.862748	elb9
70567	930290.0075	699448.2584	431.625632	sel
70568	930266.219	699427.749	431.423964	sel
70569	930273.723	699443.0186	431.511772	sel
70570	930275.8071	699451.5476	430.919623	sel
70571	930277.5173	699456.5721	430.967981	sel

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70572	930264.4323	699447.4713	431.682338	sel
70573	930270.7401	699463.5781	431.733585	sel
70574	930283.6806	699464.4664	431.641913	sel
70575	930296.2093	699460.0268	431.718061	sel
70576	930305.675	699476.4402	431.95157	sel
70577	930321.9818	699492.5545	431.609108	sel
70578	930340.1076	699500.2901	431.705271	sel
70579	930361.6062	699522.4187	431.27582	sel
70580	930383.3903	699536.4416	431.324447	sel
70581	930417.3581	699566.6362	433.000599	sel
70582	930424.4163	699579.8208	432.520441	sel
70583	930328.9437	699482.6968	430.623367	sel
70584	930333.712	699477.068	430.708363	sel
70585	930322.963	699470.2428	430.733671	sel
70586	930326.6286	699462.0175	431.382633	sel
70587	930318.2354	699449.1808	431.412603	sel
70588	930309.0909	699449.1767	430.77996	sel
70589	930298.8793	699448.7736	431.403652	sel
70590	930256.5391	699459.4643	430.212138	we1 st
70591	930251.5327	699446.2465	430.203503	we1
70592	930248.1591	699424.4523	430.234971	we1
70593	930247.0959	699405.6066	430.200908	we1
70594	930259.169	699408.2766	430.144668	we1
70595	930292.4728	699423.0413	430.178587	we1
70596	930307.22	699434.9309	430.219909	we1
70597	930312.1214	699436.2051	430.228744	we1
70598	930314.6353	699425.0804	430.19346	we1
70599	930316.8499	699408.1862	430.195246	we1
70600	930312.396	699393.6848	430.180995	we1
70601	930302.3792	699385.1357	430.181579	we1
70602	930286.043	699387.4386	430.164845	we1
70603	930267.8765	699394.5524	430.228941	we1
70604	930248.9843	699393.5516	430.231173	we1
70605	930280.7556	699371.9443	433.242252	TRE 2"
70606	930272.5303	699375.2049	433.475715	TRE 2"
70607	930272.3804	699359.1055	433.715459	TRE 2"
70608	930268.9712	699363.4748	433.709127	TRE 2"
70609	930269.0578	699369.9552	433.718298	TRE 2"
70610	930263.2602	699373.0967	434.024256	TRE 4" ex
70611	930252.5231	699380.5829	434.244499	TRE 3" ex
70612	930286.2679	699356.5567	433.737306	sel
70613	930313.7727	699357.927	433.45575	sel
70614	930187.2455	699545.7982	436.77081	htp70614
70615	930179.6849	699508.4767	435.768348	SMA4
70616	930175.7374	699524.6519	435.912952	SMA4
70617	930182.1299	699563.9979	438.108899	SMA4
70618	930182.0657	699593.6227	442.641709	SMA4
70619	930178.4755	699620.3826	446.721692	SMA4
70620	930163.2522	699625.8866	446.809834	SMA4
70621	930136.9071	699615.0882	446.552721	SMA4
70622	930106.8183	699588.4458	445.135302	SMA4 sma2
70623	930208.4139	699565.6941	437.623247	upl

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70624	930211.6488	699565.8294	437.488881	SMA3
70625	930195.0617	699596.1596	442.685392	SMA3
70626	930204.3071	699608.9993	446.586031	SMA3
70627	930194.058	699638.1673	447.898863	SMA3
70628	930198.0215	699656.0074	446.092369	SMA3 sma1
70629	930184.6417	699647.3246	447.962685	bsw1 st
70630	930176.8948	699646.2944	447.990557	bsw1
70631	930179.3471	699627.8694	447.40556	bsw1
70632	930182.0536	699607.1922	444.847515	bsw1
70633	930184.3364	699590.8662	442.016637	bsw1
70634	930192.1785	699591.9776	441.788203	bsw1
70635	930189.8846	699608.1642	444.94972	bsw1
70636	930187.0844	699628.9032	447.379652	bsw1
70637	930194.0177	699571.4277	438.188291	sel
70638	930211.478	699531.9017	435.158395	sel
70639	930203.6595	699510.6957	435.075684	sel
70640	930187.1759	699450.7884	436.272877	htp3 cl

Key for descriptions can be found at the end of Appendix G

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Survey Information - Excavation

Key (as provided by Wendel Duchscherer Surveyors):

bot	bottom
bsw1 st	brick sidewalk
CDR1 ST	concrete driveway
CHK1	check - control point check for our survey purposes
CL CREEK	centerline of creek
cl stream	centerline of stream
cl weire	centerline of weire
CLF1	chain link fence
CSH 3"	coniferous bush
DCH1	ditch
DCP1	top of curb (not edge of pavement)
ELB1	elevation line break (breakline)
ELB3 RPR2 ST	rpr = riprap
EP1	edge of pavement
EWT1	edge of water
EX GND	existing ground
FNC1	fence
GW	guywire
HDG1	hedge
HTP13 CL	horizontal traverse point (survey control)
inv e15"rcmp	inv = invert
inv e24"rcmp	rcmp = round corrugated metal pipe
inv s30"hdpe	n,e,s, or w = north, east, south, and west
n top bank	top of bank (NORTH)
nail	survey nail (MAG, CST, etc.)
ne cor weire	northeast corner of weire
ne low pt	low point
rock	rock
RPR1	rpr = riprap
RWL1	retaining wall (TOP)
RWLB1	bottom of retaining wall
RWLB3 SDR3 ST	sdr = stone drive
sa69	samp = sample point
sa90	sa = description for excavation area with designation
samp na71	na = description for excavation area with designation
SDR1	sdr = stone drive
SEL	spot elevation
shl1	shoreline
SMA1	sand or muddy area (used here to represent areas of no new topsoil)
stm1	stream
stump	tree stump
top of dam	top of dam
tre 18in	18" diameter deciduous tree
UPL	utility pole with light
we1 st	water elevation
WTR	water

***** "st" is a code used to run our topo routine, telling the program where to begin the line

***** the number following a description (i.e. CDR"1") represents a continuous feature located in the field