Forensic Environmental Services, Inc.
113 John Robert Thomas Drive
Exton, Pennsylvania 19341

Telephone: (610) 594-3940 Telecopier: (610) 594-3943

DATE: January 31, 2012

TO: Alicia Barraza, Environmental Engineer
NYS Dept. of Environmental Conservation
Division of Solid & Hazardous Materials
625 Broadway, Albany, NY 12207-2942

RE: Source Removal Activities Report
Former Norton/Nashua Tape Products Facility
2600 Seventh Avenue, Watervliet, New York
EPA ID No. NYD 066829599
NYSDEC Index Number: CO 4-20001205-3375

We are sending you __X__ herewith _____under separate cover
_____ drawings _____ letters _____other

If material received is not as listed, please notify us at once.

Quantity	Title	Action
1 ea.	Source Removal Activities Report - Former Norton/Nashua Tape Products Facility – January 2012	for your records

Please find enclosed a final copy of the Source Removal Activities Report for the referenced project on CD. Electronic copies of this document will also be sent to Mike Komoroske, the EPA, the Department of Health, and all other parties on the current project distribution list.

Very truly yours,

FORENSIC ENVIRONMENTAL SERVICES, INC.

Robert W. Zei, CPG
Sr. Project Manager

Forensic Environmental Services, Inc.
113 John Robert Thomas Drive
Exton, Pennsylvania 19341

Telephone: (610) 594-3940 Telecopier: (610) 594-3943

DATE: January 31, 2012

TO: Ronald L. Groves, P.E.
Albany County Department of Health
175 Green Street
Albany, NY 12202
Phone: (518) 447-4580

RE: Source Removal Activities Report
Former Norton/Nashua Tape Products Facility
2600 Seventh Avenue, Watervliet, New York
EPA ID No. NYD 066829599
NYSDEC Index Number: CO 4-20001205-3375

We are sending you __X__ herewith _____under separate cover
_____ drawings _____ letters _____other

If material received is not as listed, please notify us at once.

Quantity	Title	Action
1 ea.	Source Removal Activities Report (January 2012) Former Norton/Nashua Tape Products Facility	for your records

Very truly yours,

FORENSIC ENVIRONMENTAL SERVICES, INC.

Robert W. Zei, Ph.D., CPG
Sr. Project Manager

SOURCE REMOVAL ACTIVITIES REPORT

Former Norton Company/Nashua Tape Products Facility
2600 Seventh Avenue
Watervliet, New York
EPA ID No. NYD 066829599
NYSDEC Index Number: CO 4-20001205-3375

January 2012

Prepared for:
Saint-Gobain Corporation
750 East Swedesford Road
P.O. Box 860
Valley Forge, Pennsylvania 19482
(610) 594-3940

Prepared by:
Forensic Environmental Services, Inc.
113 John Robert Thomas Drive
Exton, Pennsylvania 19341
(610) 594-3940

TABLE OF CONTENTS
SOURCE REMOVAL ACTIVITIES REPORT

Former Norton/Nashua Tape Products Facility
2600 Seventh Avenue
Watervliet, New York

TABLE OF CONTENTS (cont.)
SOURCE REMOVAL ACTIVITIES REPORT

Former Norton/Nashua Tape Products Facility
2600 Seventh Avenue
Watervliet, New York

Tables

Figures

Appendices

SECTION 1.0

INTRODUCTION

This report has been prepared to summarize source removal activities that were conducted as a result of the Corrective Measures Study (CMS) at the former Norton Company (Norton)/Nashua Tape Products (Nashua) manufacturing facility ("Site") located at 2600 Seventh Avenue, Watervliet, New York (see Site Location Map, Figure 1-1). A Site Layout Map is provided as Figure 1-2. Subsequent to the completion of pilot testing activities during the Second Quarter 2010, a meeting was held between the New York State Department of Environmental Conservation (NYSDEC), New York State Department of Health (NYSDOH), Saint-Gobain Corporation (SGC), and Forensic Environmental Services, Inc. (FES) on June 23, 2010 to discuss the pilot testing results, as well as future remedial activities for the site. At the June 2010 meeting all parties concluded that based on the results of the pilot testing, source removal of the most impacted soils would be conducted as a presumptive remedy in the Former Tank Farm Area soil waste management unit (SWMU).

Field activities associated with the source removal program were conducted from November 2010 through July 2011 and included: 1) pre-excavation demolition of the former tank farm concrete containment structures and concrete pad; 2) pre-excavation waste characterization soil sampling; 3) soil excavation activities and associated confirmatory sampling; 4) post-excavation contingent chemical oxidation (chem-ox) activities to address residual impacts to soil and groundwater; and 5) post-treatment groundwater monitoring well installation and soil and groundwater sampling.

SECTION 2.0

PRE-EXCAVATION DEMOLITION & SOIL CHARACTERIZATION SAMPLING

2.1 Pre-Excavation Demolition

Pre-excavation demolition activities conducted at the site were implemented by United Industrial Services (United) of Cohoes, New York, and a United subcontractor, Land Remediation, Inc. (LRI) of Averill Park, New York, from November 15-17, 2010. These activities included the removal of trees, shrubs, miscellaneous debris, and soil and other materials stockpiled in the area by property owners subsequent to Norton/Nashua, as well as the removal of the concrete containment structures and concrete pad associated with the former toluene aboveground storage tanks (ASTs).

Approximately 219 tons of concrete and asphalt debris were removed from the former tank farm area and transported for disposal as non-hazardous construction debris. United reports that they took the concrete and asphalt debris to Cooper's, NY Route 351in West Sand lake, NY, a clean fill site.

Subsequent to the removal of the concrete pad, soil in selected areas immediately beneath the pad exhibited photoionization detector (PID) readings above 100 parts per million by volume (ppmv). Prior to re-grading the area, these soils, as well as the soil and debris previously stockpiled in the former tank farm area by property owners subsequent to Norton/Nashua, were temporarily stockpiled on plastic sheeting, and covered by plastic sheeting, adjacent to the former tank farm area. These soils were ultimately transported for off-site disposal during excavation activities in February/March 2011 (see Section 3.0).

2.2 Pre-Excavation Soil Characterization Sampling

In order to determine if the soil proposed for excavation was characteristically hazardous or non-hazardous, pre-excavation waste characterization soil samples were collected on November 18, 2010. Soil boring installation activities were conducted by Aquifer Drilling & Testing, Inc. (ADT) of Albany, New York. Soil boring locations are presented in Figure 2-1, and soil boring logs are provided in Appendix A.

A grid pattern was established over the proposed soil excavation area and a total of six Geoprobe soil borings (FESB-1 through FESB-6) were advanced on November 18, 2010 (see Figure 2-1). During soil boring installations, continuous Geoprobe "sleeves" were advanced and the recovered soil was inspected. The physical characteristics of each soil sample was described in the field via the United Soil Classification System (USCS) and included: 1) composition, 2) consistency and density, 3) color, 4) moisture content, 5) grain size/sorting, and 6) presence/absence of staining, discoloration, and/or odors. Soil samples were also screened with a PID. Soil boring logs are presented in Appendix A.

Three soil samples were collected from each boring: shallow (4 to 7 feet), just above the water table (7 to 9 feet), and below the water table (11 to 12 feet). A total of 18 soil samples, plus Quality Assurance/Quality Control (QA/QC) sampling consisting of a blind duplicate sample from boring FESB-5, and field and trip blanks, were submitted to Adirondack Environmental Services (AES) of Albany, New York for analysis of volatile organic compounds (VOCs) including tentatively identified compounds (TICs) and heptane via EPA Method 8260 Subsequent to the receipt of laboratory results, the laboratory analytical data package was submitted to DATAVAL, Inc. (DATAVAL) of Endwell, New York for third party data validation. Validated laboratory analytical results were previously submitted to the NYSDEC and will be resubmitted to the NYSDEC EQuIS database.

A total of seven VOCs plus VOC TICs were detected in the pre-excavation soil samples (see Table 2-1). Toluene was detected in all 19 soil samples at concentrations ranging from 5.9 J micrograms per kilogram (µg/kg) to 7,900,000 µg/kg. The maximum reported VOC concentrations were generally detected in soil samples collected just above the water table (7 to 9 feet). Toluene concentrations in three samples B-3 (depth 8 feet), B-4 (9 feet), and B-6 (7 feet) exceeded the toluene NYSDEC Restricted Use (Commercial) Soil Clean-Up Objective (SCO) of 500,000 µg/kg and the toluene NYSDEC Restricted Use (Industrial) SCO of 1,000,000 µg/kg. However, based on these data, the proposed soil to be excavated was determined to be characteristically non-hazardous.

Subsequent to receipt of the final validated laboratory data package, a summary letter including the final laboratory report was submitted to Mr. Henry Wilkie of the NYSDEC Division of Solid and Hazardous Materials on December 28, 2010 as part of a request for a hazardous waste determination (see Appendix B). The NYSDEC issued correspondence dated February 8, 2011, and an addendum received on February 22, 2011 (see Appendix B), stating that the excavation waste was characteristically “non-hazardous”.

In addition to the VOC analysis, two shallow soil samples were collected from borings B-2, B-3 & B-4 on November 18, 2010 and submitted to AES for analysis of polychlorinated biphenyls (PCBs) via EPA Method 8082. One PCB analyte (Aroclor 1260) was detected in the three shallowest soil samples (depth 1 foot) collected from each boring at estimated concentrations of ranging from 30 J µg/kg to 39 J µg/kg. PCBs were not detected in the three deeper soil samples (depth 2-3 feet) collected from each boring. Detected PCB concentrations were well below the NYSDEC Restricted Use Commercial/Industrial SCOs of 1,000/25,000 µg/kg (see Table 2-1).

In response to discussions with the excavation contractor and the potential waste disposal facilities, it was determined that additional pre-excavation waste characterization data were needed prior to the initiation of soil excavation activities, so five Geoprobe soil borings were installed at the site by ADT on February 4, 2011 (FESB11-1 through FESB11-5). Soil boring locations are presented on Figure 2-1, and soil boring logs are provided in Appendix A.

One soil sample from each of the five soil borings was submitted to the excavation contractor's laboratory for analysis of selected total metals, and two soil samples (FESB11-2 and FESB11-4) were also analyzed for semi-volatile organic compounds (SVOCs). Laboratory analytical results are presented in Table 2-2; the laboratory analytical report is included as Appendix C. Because these samples were collected and analyzed for use by the contractor, the February 2011 analytical data package was not submitted for third party data validation.

Five SVOCs were detected in one or more soil samples: 1,2-dichlorobenzene, 2-methylphenol, 3 & 4-methylphenol, nitrobenzene, and phenol. All detected SVOCs were below their respective NYSDEC Restricted Use Commercial (& Industrial) SCOs (see Table 2-2). A total of eight metals were detected: arsenic, barium, beryllium, chromium, lead, nickel, vanadium, and zinc. All detected metals concentrations were below their respective NYSDEC Restricted Use Commercial (& Industrial) SCOs (see Table 2-2).

SECTION 3.0

SOURCE REMOVAL EXCAVATION AND CONTINGENT ACTIVITIES

3.1 Soil Excavation Activities

Soil excavation related activities were conducted at the site by United/LRI from February 28, 2011 to March 15, 2011. Prior to the initiation of soil excavation activities, the NYSDEC, NYSDOH, the Albany County Health Department, and the Town of Colonie were notified of the proposed field schedule on February 22, 2011.

Site preparation work including snow removal, surface grading, preparation of soil stockpile and loading areas, and removal of the existing soil stockpile (see Section 2.1) was conducted on February 28 & March 1, 2011. Excavation of the soils in the target area was initiated on March 2 and continued through March 4, and was completed on March 7 & 8, 2011. Subsequent to the receipt of post-excavation soil sampling results from the eastern and western sidewalls, excavation backfilling was initiated on March 8, 2011, and completed on March 15, 2011 after contingent chemical oxidation treatment activities were conducted (see Section 3.4). The excavation was graded in late March 2011, and surface paving was completed in August 2011.

As noted in Section 2.1, existing soil and debris previously stockpiled in the former tank farm area, and soil immediately below the concrete slab exhibiting elevated PID readings (i.e., greater than 100 ppmv), were temporarily stockpiled on plastic adjacent to the excavation area in November 2010. In order to clear the area for staging of excavation soils, the existing soil stockpile (approximately 207 tons) was direct-loaded into roll-off dump trucks on March 1, 2011 and transported to the ESMI facility (ESMI) in Fort Edward, New York for thermal treatment. Waste manifest documentation is included in Appendix D.

Soil removal activities were initiated on March 2, 2011. As outlined in the NYSDEC approved Source Removal Workplan (FES, December 2010), excavated soils were field screened with a PID equipped with an 11.6 eV lamp (MiniRae2000 or equivalent), calibrated on a twice-daily basis. The 2010 Source Removal Workplan called for excavated soils to be segregated into three groups based on the PID field screening readings: 1) "clean" soils with field screening readings below 5 ppmv to be temporarily staged onsite pending laboratory analysis; 2) "possible reuse" soils with PID readings between 5 and 500 ppmv to be temporarily stockpiled onsite (separately from soils with screening readings between 0 and 5 ppmv) pending confirmatory laboratory results; and 3) "impacted" soils exceeding a field screening limit of 500 ppmv to be live-loaded into trucks for disposal (or temporarily stockpiled pending disposal).

Only a few buckets of excavated soil screened less than 5 ppmv (due in part to high ambient air readings in the work zone), so field personnel combined these "clean" soils (#1 above) with the "possible reuse" (#2 above) soils in one temporary soil stockpile PID pending waste characterization sampling results (see Section 3.5). (In actuality, no excavated soils had PID field screening readings between 109 ppmv and 800 ppmv. Therefore, the maximum PID reading in the soil stockpiled for possible on-site reuse was 109 ppmv.) All soils with PID readings greater than 500 ppmv ("impacted" or #3 above) were "live-loaded" into 35-ton roll-off dump trucks and transported to the ESMI for thermal treatment.

Excavation began in the western portion of the proposed excavation area (east of existing monitoring wells MP-1 and DGC-7; see Figure 3-1). A test pit in the southwest corner of the excavation indicated that the upper 6 feet of soil exhibited PID readings less than 500 ppmv, so these soils were segregated and temporarily staged on plastic adjacent to the excavation pending waste characterization sampling (see Section 3.5). Soils below 6 feet to the total depth of the excavation (depth 11 to 12 feet; approximately 2 feet below the water table) exhibited PID readings greater than 500 ppmv and were loaded directly for off-site disposal/thermal treatment.

Excavation activities continued through Friday March 4, 2011. Limited excavation also took place on Monday March 7, 2011, and the last two loads of impacted soil were removed on March 8, 2011. Post-excavation confirmation soil samples (see Section 3.3 below) were collected from the excavation sidewalls on March 2, 2011 through March 4, 2011, and on March 8, 2011.

The final excavation dimensions were approximately 45 feet wide, 110 feet long, and 12 feet deep (see Figure 3-1). A total of 1,413 tons of soil was removed from the site for disposal/treatment. Waste manifest documentation is included in Appendix D.

During excavation activities, monitoring well DGC-8 (see Figure 3-1) was accidently destroyed when the excavator inadvertently removed the stainless steel well casing and screen. Monitoring wells MW-14 & MP-3 were also presumed to have been destroyed during nearby excavation activities. Finally, monitoring wells MP-4 & DGC-5 were in an area where the asphalt was in poor condition and these wells could not be located during subsequent site visits following excavation and paving activities.

Groundwater flow direction in the vicinity of the former tank farm SWMU is to the east. Existing monitoring wells proximal to the former tank farm SWMU including MP-1 and DGC-7 to the west; MP-2, MP-23, MP-24, and MP-25 to the south; MW-15 to the east; and newly installed wells MW-25, MW-26, and MW-27 on the north side of the excavation provide an adequate monitoring well array in the former tank farm SWMU (see Figure 4-1). Monitoring well MW-27 is located within ten feet of excavation sidewall sample SW-N-3 (see Section 3.3).

Subsequent to the completion of soil excavation activities on March 8, 2011, the excavation area was backfilled with approximately 3 to 4 feet of pea gravel. The initial backfilling was intended to: 1) stabilize the sidewalls of the excavation; 2) reduce the potential for vapor off-gassing during subsequent chemical oxidation (chem-ox) treatment activities (see Section 3.4); and 3) facilitate groundwater removal if it was determined that contingent enhanced fluid recovery (EFR) events should be conducted in the vicinity of the excavation.

3.2 Excavation Ambient Air Monitoring

During soil excavation activities, ambient air and soil conditions were screened with PID meters in accordance with procedures in the site-specific Health and Safety Plan (HASP) and the May 2005 Quality Assurance Project Plan (QAPP). The PID meters were equipped with 11.6eV lamps that were calibrated twice-daily with fresh air and isobutylene to ensure proper readings. Additional ambient air screening was also performed in conjunction with the NYSDOH approved Community Air Monitoring Plan (CAMP) prepared for the excavation activities.

Upwind PID readings were obtained approximately 75 feet west (predominant upwind direction) of the excavation work zone. Downwind PID readings were obtained approximately 75 feet east (predominant downwind direction) of the excavation work zone. Per the approved 2010 Source Removal Workplan and CAMP, the downwind PID monitoring location was within half the distance to the nearest potential receptor or residential/commercial structure (i.e., houses along Alden Street, which are located approximately 250 feet from the excavation). Field personnel did not notice any pronounced changes in the general wind direction during excavation activities, so the upwind/downwind PID monitoring locations were not relocated during the course of the day.

During active soil excavation, VOC concentrations in ambient air were monitored at the upwind location at the start of each workday and periodically thereafter to establish background conditions. PID meters in the work zone and at the downwind CAMP-specified location were programmed to calculate 15-minute running average concentrations daily; upwind/downwind ambient air PID readings are presented on Table 3-1. (However, these PID meters were also periodically used to screen excavated soils and/or collect supplemental readings within the work zone; these supplemental PID readings are not included on Table 3-1.) PID readings were also collected along Alden Street on a daily basis.

All upwind PID readings collected at the start of each workday were 0.0 ppmv. Downwind PID readings ranged from 0.0 ppmv to 10.5 ppmv. After the highest downwind PID reading (10.5 ppmv) was recorded on Tuesday, March 2, 2011, work activities were temporarily halted, and vapor-retarding foam was applied to the excavation. Downwind PID readings returned to 0.0 ppmv, and work resumed on Wednesday, March 3, 2011.

Maximum work zone PID concentrations ranged from 0.0 ppmv to 43.0 ppmv, but all 15-minute average readings were less than 5.0 ppmv. Although vapors in the work area quickly dissipated, all personnel inside the work zone wore respirators as required in the HASP. Also, as a precautionary measure, the excavation and soil stockpile were sprayed with vapor-retarding foam at the end of each work day. Finally, all PID readings collected from Alden Street during soil excavation activities were 0.0 ppmv.

With respect to ambient air particulate monitoring, particulate concentrations were monitored at the upwind and downwind perimeters of the exclusion zone during soil excavation activities from March 1 to March 3, 2011. Each dust monitor (TSI DustTrack II 8530) was equipped with an audible alarm to indicate exceedances of the action level (100 milligrams per cubic meter; mg/m^3) during excavation activities; no action level exceedances were observed.

Maximum instantaneous upwind and downwind PM-10 concentrations were 0.089 mg/m^3 and 0.084 mg/m^3, respectively. The maximum 15-minute time-weighted average upwind/downwind differential was 0.050 mg/m^3, which was below the action level of 0.100 mg/m^3 (see Table 3-2). (Note: the upwind monitor failed to record 15-minute readings during several time periods, so the downwind reading was used as the default differential value.) Due to the low values obtained during the first three days of excavation activities, and the limited excavation activities conducted after March 3, 2011, field personnel mistakenly did not activate the particulate monitors after March 3, 2011. Fugitive dust migration was also visually assessed during all source removal activities; no visible dust was observed.

3.3 Post-Excavation Soil Sampling and Analysis

Post-excavation soil samples were collected from the excavation sidewalls during soil excavation activities on March 2, 2011 through March 4, 2011, and at the completion of excavation activities on March 8, 2011. Per NYSDEC DER-10, one confirmation soil sample was collected for every 30 feet of sidewall (2 samples on the east and west sidewalls, and 3 samples on the north and south sidewalls) at screening locations exhibiting the highest PID readings and/odors. Excavation sidewall sampling locations are presented on Figure 3-1.

All confirmatory soil samples were collected from a depth of 8.5 to 9 feet. QA/QC sampling included the collection of field and trip blanks.

Soil samples were submitted to AES for analysis of VOCs via EPA Method 8260 plus heptane and TICs, SVOCs via EPA Method 8270, and PCBs via EPA Method 8082. Post-excavation soil sampling results are presented in Table 3-3. Subsequent to the receipt of laboratory results, laboratory analytical data packages were submitted for third party data validation. Validated laboratory analytical results were previously submitted to the NYSDEC and will be resubmitted to the NYSDEC EQuIS database.

Four VOCs were detected in one or more post-excavation soil samples: cyclohexane, methylcyclohexane, toluene, and heptane; and VOC TICs were detected in each of the sidewall samples (see Table 3-3). All detected VOC concentrations in the confirmatory soil samples were well below the NYSDEC Restricted Use (Industrial) SCOs, but the toluene concentration in soil excavation sample SW-N-3 (680,000 µg/kg) exceeded the NYSDEC Restricted Use (Commercial) SCO (500,000 µg/kg). Additional soil excavation could not be conducted in the vicinity of sample SW-N-3 due to the presence of the site property boundary and active railroad tracks to the north.

A total of 15 SVOCs were detected in one or more soil samples, and SVOC TICs were detected in 9 of the sidewall 10 samples (see Table 3-3). The maximum detected SVOC concentration was 2-methylphenol in soil sample SW-N-3 (1,600 µg/kg). All detected SVOC concentrations were well below their respective NYSDEC Restricted Use SCOs (see Table 3-3). PCBs were not detected in any post-excavation confirmatory soil samples (see Table 3-3).

3.4 Post-Excavation Contingent Measures (Chem-Ox Treatment)

Contingent measures were initiated to address the residual impact to soil that exceeded the project target goal in the Former Tank Farm Area SWMU following the completion of the source removal activity. As noted above, the toluene concentration in excavation soil sample SW-N-3 was below the NYSDEC Restricted Use (Industrial) SCO, but exceeded the NYSDEC Restricted Use (Commercial) SCO. Because further soil excavation could not be conducted in the vicinity of this sample due to the presence of the site property boundary and active railroad tracks, the contingency excavation treatment activity (chem-ox) was implemented at the Site.

Based on site-specific data obtained from the prior June 2009 CMS pilot test, In-Situ Oxidative Technologies, Inc. (ISOTEC) of West Windsor, New Jersey recommended applying a mixture of activated sodium persulfate and modified Fenton's reagent (MFR; stabilized hydrogen peroxide and chelated iron catalyst) into the open excavation to chemically oxidize residual toluene and heptane in the soil and groundwater immediately beneath, and in the general vicinity of the excavation. Subsequent to the completion of soil excavation activities and the initial backfilling of the open excavation with pea gravel on March 8, 2011, ISOTEC initiated chem-ox application activities.

From March 8 through Thursday, March 10, 2011, a total of 4,700 gallons of activated sodium persulfate, 4,700 gallons of stabilized hydrogen peroxide, and 4,700 gallons of chelated iron catalyst were pumped directly into the open excavation. The chem-ox fluids were applied in a controlled manner to limit the potential for aggressive chemical reactions and vapor generation. Chem-ox field application data are summarized in Table 3-4.

Breathing zone air near the excavation was monitored during the field activities for VOCs, oxygen, carbon monoxide, and lower explosive limits (LEL) using a MultiRae PID. Minimal physical reactions were observed and there were no odors or elevated PID readings detected outside the immediate excavation area. Chem-ox air monitoring data are provided in Table 3-5. Two post-treatment soil samples (Post Ex 1 and Post Ex 2) were collected on March 11, 2011 (see Section 4.1) to determine the effectiveness of the chem-ox treatment.

3.5 Soil Stockpile Sampling

As previously noted, excavated soils (upper 6 feet) exhibiting PID readings below 500 ppmv (as previously noted, the maximum PID field screening reading for these soils was actually 109 ppmv) were temporarily stockpiled adjacent to the excavation. The total stockpile volume was approximately 375 cubic yards.

Four soil stockpile samples (S-1 through S-4) were collected on March 4, 2011 per Table 5.4(e)10 of DER-10 *Technical Guidance For Site Investigation and Remediation* dated May 2010 to determine if the soil could be reused onsite as backfill. The four soil samples were analyzed by AES for VOCs via EPA Method 8260 plus heptane and TICs, and SVOCs via EPA Method 8270, and two of the soil samples (S-2 and S-3) were also analyzed for PCBs via EPA Method 8082. Four supplemental soil stockpile samples (S2-1 through S2-4) were collected on March 10, 2011 for laboratory analysis of SVOCs. Soil stockpile sampling results are presented in Table 3-6.

Four VOCs (cyclohexane, methylcyclohexane, toluene, and heptane) plus VOC TICs were detected in one or more soil stockpile samples. Toluene concentrations ranged from 8.2 µg/kg (S-1) to 82 µg/kg (S-4). All detected VOCs were below their respective NYSDEC Restricted Commercial/Industrial Use SCOs (see Table 3-6).

A total of 15 SVOCs and SVOC TICs were detected in one or more soil stockpile samples. All detected SVOCs were below their respective NYSDEC Restricted Commercial Use SCOs with the exception of benzo(a)pyrene, which was detected in soil sample S-2 at a concentration of 1,100 µg/kg (the NYSDEC Restricted Commercial Use SCO is 1,000 µg/kg); however, the average benzo(a)pyrene concentration in the each set of soil stockpile samples (S1-2, three samples, average 467 µg/kg; and S3-4, three samples, average 700 µg/kg) was below the NYSDEC Restricted Commercial Use SCO (see Table 3-6).

One PCB (Aroclor 1254) was detected in soil samples S-2 and S-3 at estimated concentrations of 29 J µg/kg and 17 J µg/kg, respectively, which are well below the NYSDEC Restricted Commercial Use SCO of 1,000 µg/kg (see Table 3-6). Based on the soil stockpile sampling data, the soils met on-site reuse requirements, and the total volume of the stockpile (approximately 375 cubic yards) was subsequently used to backfill the excavation (see next section).

3.6 Excavation Completion

Subsequent to the completion of chemical oxidation treatment activities (see Section 3.4), the excavation was backfilled with the stockpiled soil in a series of compacted lifts beginning on March 14, 2011. However, due to heavy rainfall, backfilling was suspended until the week of March 21, 2011 when cement kiln dust was mixed into the stockpile to help dry the soil.

As specified in the Source Removal Workplan, certified clean fill (see Appendix E) was used to backfill the upper two feet of the excavation. Backfilling activities were completed during the week of March 28, 2011, and final paving of the area was completed in early August 2011.

SECTION 4.0

POST-TREATMENT SAMPLING

4.1 Post-Treatment Soil Sampling

During monitoring well installations activities (see next section), soil samples were collected for laboratory analysis at each of the three well boring locations (MW-25, MW-26 & MW-27) on May 11, 2011 to evaluate soil conditions subsequent to post-excavation chem-ox treatment activities. Soils sampling locations are presented on Figure 4-1. One soil sample was collected from the native soil at each well boring (i.e., below the clean fill materials used to backfill the excavation) from a depth of approximately 12.5 to 14 feet.

In addition, a soil boring (Post-Ex; see Figure 4-1) was installed adjacent to the post-excavation soil sample (SW-N-3) that exhibited toluene concentrations above the NYSDEC Restricted Use (Commercial) SCO (see Table 3-3). Two soil samples were collected from boring Post-Ex at depths of 6.5 to 7 feet and 8.5 to 9 feet.

Monitoring well and soil boring soil samples were submitted to AES for analysis of VOCs (including TICs) and heptane. Soil boring logs are presented in Appendix A.

As discussed in Section 3-3, all post-excavation soil samples were below the NYSDEC Restricted Use (Commercial/Industrial) SCOs, except the soil sample collected from the northeastern corner of the excavation (SW-N-3; depth 8.5 to 9 feet) where the toluene concentration of 680,000 µg/kg exceeded the NYSDEC Restricted Use (Commercial) SCO of 500,000 µg/kg (see Figure 3-1 & Table 3-3). However, toluene concentrations in the soil samples collected from this area subsequent to chem-ox treatment activities (see Section 3.4) were 11 µg/kg (depth 6.5 to 7 feet) and 21,000 µg/kg (depth 8.5 to 9 feet); both concentrations are well below the NYSDEC Restricted Use (Commercial) SCO (see Table 4-1).

Furthermore, toluene concentrations in soil samples collected from beneath the bottom of the excavation (see Table 4-1) ranged from 4.7 J µg/kg (MW-26; 13.5 to 14 feet) to 770 J µg/kg (MW-25; 12.5 to 13 feet). Heptane was also detected in one soil sample (MW-27; 13.5 to 14 feet) at an estimated concentration of 6.8 J µg/kg. The heptane concentration and all detected toluene concentrations in the soil samples collected after chem-ox treatment (see Table 4-1) were well below their respective NYSDEC Restricted Use (Commercial/Industrial) SCOs.

4.2 Post-Treatment Monitoring Well Installation

Subsequent to the completion of soil excavation, in-situ chem-ox treatment, and excavation backfilling activities, three post-excavation monitoring wells (MW-25, MW-26 & MW-27) were installed by ADT on May 11, 2011. The monitoring wells were adequately spaced to allow complete coverage of the excavation area for possible contingency treatment (ISCO or EFR treatments) and post-excavation monitoring. Monitoring well locations are presented on Figure 4-1; soil boring logs are presented in Appendix A.

Monitoring wells (MW-25 through MW-27) were installed via standard hollow stem auger (HSA) methods. The three wells were constructed of 10 feet of 2-inch diameter Schedule 40 PVC well screen (0.010 inch slot) and completed with 5 feet of 40 2-inch diameter Schedule 40 PVC well riser to the surface. Clean silica sand was used to fill the well annulus two feet above the top of the screened interval. A one-foot thick bentonite seal was installed above the sand to prevent surface infiltration, and the remaining well annulus was grouted to surface. Each well was temporarily finished as a “stick-up” (pending paving activities) and equipped with a locking gripper-plug to prevent unauthorized access. Following the completion of paving activities in August 2011, each well was completed with a flush-mount vault anchored by a concrete skirt. Monitoring well construction logs are included as Appendix F.

Subsequent to well installation, each well was properly developed by ADT to remove fine-grained sediments from the sand pack and screen. Development water from monitoring wells MW-25, MW-26 & MW-27 (40, 45 & 50 gallons, respectively) was temporarily stored onsite in 55-gallons drums pending proper disposal in July 2011. Monitoring wells will be surveyed in December 2011 to establish horizontal position and vertical elevation data.

4.3 Post-Treatment Groundwater Sampling

A groundwater sampling event was conducted at the site in May 2011. The only monitoring well proximal to the March 2011 excavation area that was sampled during the May 2011 event was MP-2, which is located immediately south of the excavation (see Figure 3-1). Newly installed excavation monitoring wells MW-25, MW-26 & MW-27 were sampled during a subsequent sampling event on July 25, 2011.

Groundwater samples from the four wells were collected via the micropurge sampling method as outlined in the *EPA Groundwater Issue: Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures (April 1996).* A micropurging pump capable of a flow rate of approximately 0.1 to 0.5 liters per minute (i.e., peristaltic pump) was used to minimize turbulence in the well bore and hydraulic stress on the formation. The pump was positioned in the middle of the saturated portion of the screened interval of the wells.

Water quality indicator parameters, temperature, pH, specific conductivity, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity, were monitored every three minutes during purging with a continuous "flow-through" cell device until the following until the following stabilization rates were achieved: dissolved oxygen $\pm$ 10%, pH $\pm$ 0.1 units, ORP $\pm$ 10 millivolts (mV), temperature and conductivity $\pm$ 3%, and turbidity $\pm$ 10%. Groundwater samples were collected directly from the pump effluent line using dedicated tubing and a pump bladder in a manner that minimized turbulence. Field sampling sheets are provided in Appendix G.

Monitoring well MP-2 was initially purged on May 11, 2011, but after 45 minutes of purging, the DO and specific conductivity had not stabilized and air bubbles were noted in the purge water. The instability of the groundwater chemistry and physical agitation of the sample were likely due to residual effects from the March 2011 chem-ox treatment. A second attempt to purge MP-2 was conducted on May 12, 2011. Although air bubbles were again present in the purge water and the temperature readings were slightly outside the stabilization rate of $\pm$ 3% (see Appendix G), a groundwater sample was collected after 35 minutes of purging.

Groundwater sampling data are presented in Table 4-2, which also includes historical groundwater sampling results for monitoring well MP-2. The only VOC detected at MP-2 in May 2011 was toluene at a concentration of 70 micrograms per liter (µg/L). Toluene concentrations in MP-2 have steadily declined from a maximum of 4,600 µg/L (October 2005) to 1,200 µg/L (June 2009) to 330 µg/L (August 2009) to 70 µg/L in May 2011 (see Table 4-2).

During the July 2011 sampling event, toluene was not detected in westernmost excavation monitoring well MW-25 (see Figure 4-1), and was detected at concentrations of 59,000 µg/L and 260,000 µg/L, respectively, in middle well MW-26 and easternmost excavation well MW-27. Although the July 2011 toluene concentrations at MW-26 & MW-27 were elevated, they were lower than historical sampling results from this area. The only other VOC detected in the July 2011 groundwater samples was chloroform (see Table 4-2) at MW-25 (concentration 3 J µg/L) and MW-27 (concentration 6,200 J µg/L).

Following receipt of the July 2011 data, a contingent EFR pilot test event was conducted at well MW-27. Post-EFR sampling data were pending at the time of this report. Laboratory analytical data packages for the groundwater samples were submitted for third party data validation, and the validated laboratory analytical results for well MP-2 were previously submitted to NYSDEC. Validated results for the May & July 2011 groundwater samples are currently being prepared for submittal to the NYSDEC EQuIS database.

4.4 Evaluation of the Need for Additional Contingent Measures

Based on the post-excavation and post-chem-ox treatment soil sampling results, the soils impacted with VOCs above Commercial SCOs in the vicinity of the former tank farm SWMU have been effectively removed and/or treated in place via the chem-ox injection activities. Based on these data, further soil remediation activities will not conducted in this area.

Based on the monitoring well sampling results (see Section 4.3), as well as the results of the ongoing pilot testing activities outlined in the approved CMS Workplan, EFR pilot test events will be conducted at selected excavation monitoring wells to evaluate this method to further reduce dissolved toluene concentrations in the Former Tank Farm SWMU. Selected monitoring wells proximal to the former tank farm SWMU will be monitored during future sampling events to gauge the effectiveness of the source removal, chem-ox, and EFR treatment activities. The need to conduct EFRs or chem-ox treatment in the area between the excavation and Building #61 (see Figure 4-1) to address remaining residual soil and groundwater impact at the Former Norton/Nashua Facility is currently under evaluation.

SECTION 5.0

FINDINGS

Based on empirical site data, the following can be concluded with respect to the CMS source removal activities at the Former Norton/Nashua Facility:

- Pre-excavation waste characterization soil sampling results indicated that the soils targeted for removal proximal to the former tank farm SWMU were characteristically non-hazardous. "Contained-In" determination letters were received from the NYSDEC on February 13, 2011 and February 22, 2011 (see Appendix B).

- The final soil excavation area measured approximately 110 feet long by 45 feet wide by 12 feet deep. A total of 1,413 tons of soil (including soil and other materials previously stockpiled adjacent to the former tank farm SWMU) were removed from the site for proper disposal/treatment.

- Additional excavation to the north and south of the excavation area could not be conducted due to the presence of railroad tracks and the site property boundary to the north, and water and storm sewer utility lines to the south. However, with one exception (see next item), all samples along the north and south sidewalls were below NYSDEC Restricted Use (Commercial/Industrial) SCOs

- Detected VOC concentrations in all post-excavation sidewall confirmatory samples were well below NYSDEC Restricted Use (Commercial/Industrial) SCOs except for toluene in the northeast sidewall soil sample (SW-N-3; 8.5 to 9 feet).

- Subsequent to soil excavation, the chemical oxidation contingency treatment was conducted and included the injection of approximately 4,700 gallons of persulfate, 4,700 gallons of hydrogen peroxide, and 4,700 gallons of catalyst.

- Detected VOC concentrations in post-treatment (chem-ox) soil samples collected from native soil below the excavation, as well as samples collected adjacent to post-excavation soil sample (SW-N-3; 8.5 to 9 feet), were all below NYSDEC Restricted Use (Commercial/Industrial) SCOs.

- Post-treatment (chem-ox) groundwater sampling activities indicated that toluene concentrations in source area monitoring well MP-2 have significantly decreased considerably compared to historical maximums. Toluene concentrations in the newly installed excavation wells ranged from non-detect (western side of excavation) to 260,000 µg/L at MW-27 (eastern side of excavation).

- EFR pilot testing has been initiated at excavation monitoring well MW-27. The need, if any, for supplemental contingent cleanup measures, potentially including chem-ox treatment between the south wall of the excavation and the north wall of the main building (see Figure 4-1), is currently under evaluation.

TABLES

Table 3-1
Excavation CAMP PID Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York
March 1, 2011

UPWIND PID = 0.0 ppm

WORK ZONE			
Time	Interval (min)	Avg (ppm)	Max (ppm)
11:20	--	--	--
11:35	15	0.26	20.0
11:50	15	0.03	0.1
12:05	15	0.32	19.9
12:20	15	0.00	0.1
12:35	15	0.00	0.0
12:50	15	0.00	0.0
13:05	15	0.00	0.0
13:20	15	0.00	0.0
13:35	15	0.00	0.0
13:50	15	0.00	0.0
14:05	15	0.00	0.0
14:20	15	0.00	0.0
14:35	15	0.00	0.0
14:50	15	0.00	0.0
15:05	15	0.00	0.0
15:20	15	0.00	0.0
15:35	15	0.00	0.0
15:50	15	0.00	0.0
16:05	15	0.00	0.0
16:20	15	0.00	0.0
16:35	15	0.00	0.0
16:50	15	0.00	0.0

DOWNWIND			
Time	Interval (min)	Avg (ppm)	Max (ppm)
11:24	--	--	--
11:39	15	0.00	0.0
11:54	15	0.00	0.0
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--
13:15	--	0.00	0.0
13:30	15	0.00	0.0
13:45	15	0.00	0.0
14:00	15	0.00	0.0
14:15	15	0.00	1.5
14:30	15	0.00	0.0
14:45	15	0.00	0.0
15:00	--	--	--
15:15	15	0.00	0.0
15:30	15	0.00	0.0
15:45	15	0.00	0.0
16:00	15	0.00	0.0
16:15	15	0.00	0.0
16:30	15	0.00	1.2

-- = Reading not collected/available

Table 3-1
Excavation CAMP PID Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York
March 2, 2011

UPWIND PID = 0.0 ppm

WORK ZONE			
Time	Interval (min)	Avg (ppm)	Max (ppm)
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--
10:27	--	--	0.0
10:42	15	0.13	5.1
10:57	15	0.00	0.1
11:12	15	0.00	0.1
--	--	--	--
--	--	--	--
--	--	--	--
12:17	--	--	0.0
12:32	15	0.04	1.2
12:47	15	0.01	1.1
13:02	15	0.00	0.0
13:17	15	1.46	9.6
13:32	15	0.13	43.0
14:00	--	--	--
14:15	--	--	--
14:30	--	--	--
14:45	--	--	7.3
15:00	15	1.99	42.8
15:14	15	0.84	30.5
15:30	15	0.00	0.7
15:45	15	0.03	0.2
16:00	15	0.00	0.3
16:15	15	1.89	28.8
16:30	15	0.00	0.3

DOWNWIND			
Time	Interval (min)	Avg (ppm)	Max (ppm)
9:10	--	--	0.1
9:25	15	0.00	0.1
9:40	15	0.00	0.1
9:55	15	0.00	0.1
10:10	15	0.00	0.0
10:25	15	0.00	0.0
10:40	15	0.00	0.0
10:55	15	0.00	0.0
11:10	15	0.00	0.0
--	--	--	--
11:54	--	--	0.0
12:09	15	0.00	0.0
12:24	15	0.00	0.0
12:39	15	0.50	2.2
12:54	15	0.00	0.3
13:09	15	0.30	1.5
13:24	15	0.20	0.9
13:39	15	0.10	1.6
13:54	15	0.00	0.0
14:09	15	0.00	0.0
14:24	15	0.00	0.0
14:39	15	0.00	0.0
14:54	15	0.00	0.0
15:09	15	0.00	0.9
15:24	15	0.10	1.3
15:39	15	0.00	0.0
15:54	15	0.00	0.0
16:09	0:00	0.40	10.5

-- = Reading not collected/available

Table 3-1
Excavation CAMP PID Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York
March 3, 2011

UPWIND PID = 0.0 ppm

WORK ZONE			
Time	Interval (min)	Avg (ppm)	Max (ppm)
8:51	--	--	0.0
9:06	15	0.00	0.0
9:20	14	0.01	0.3
9:30	--	--	4.2
9:45	15	0.00	0.1
10:00	15	0.00	0.1
10:15	15	0.03	0.2
10:30	15	0.00	0.1
10:45	15	0.00	0.1
11:00	15	0.00	0.1
11:15	15	0.00	0.0
11:30	15	0.00	0.1
11:45	15	0.00	0.0
12:00	15	1.01	0.9
12:15	15	0.00	1.0
12:30	15	4.92	28.7
12:45	15	2.52	42.6
13:00	15	0.10	2.4
13:14	15	0.01	7.2
13:30	15	0.01	0.2
13:45	15	0.05	0.4
14:00	15	0.11	0.3
14:15	15	0.37	18.5
14:30	15	1.28	13.7
14:45	15	0.69	32.1
15:00	15	0.12	1.3
15:15	15	0.91	14.2
15:30	15	4.17	35.6
15:45	15	0.19	18.3
15:55	10	0.56	0.1

DOWNWIND			
Time	Interval (min)	Avg (ppm)	Max (ppm)
8:44	--	--	0
8:59	15	--	--
9:14	15	--	--
9:29	15	0.00	0.0
9:44	15	0.00	0.0
9:59	15	0.00	0.0
10:14	15	0.00	0.0
10:29	--	--	--
10:44	15	0.00	0.0
10:59	15	0.00	1.2
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--
12:06	--	--	0.0
12:21	15	0.00	0.0
12:36	15	0.00	1.0
12:51	--	--	--
13:06	15	0.00	1.8
13:21	--	--	--
13:36	15	0.00	0.0
13:51	15	0.00	0.0
14:06	15	0.00	0.0
14:21	--	--	--
14:36	15	0.00	2.4
14:51	15	0.00	0.0
15:06	15	0.00	0.4
15:21	15	0.00	0.0
15:36	15	0.00	0.3
15:51	15	0.20	4.8

-- = Reading not collected/available

Table 3-1
Excavation CAMP PID Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York
March 4, 2011

UPWIND PID = 0.0 ppm

WORK ZONE			
Time	**Interval (min)**	**Avg (ppm)**	**Max (ppm)**
8:44	--	--	0.1
8:53	9	0.06	18.3
--	--	--	--
9:20	--	--	13.4
9:35	15	1.58	13.4
9:50	15	0.43	13.4
10:03	13	0.93	33.3
--	--	--	--
12:14	--	--	6.7
12:29	15	1.46	18.8
12:44	15	2.07	18.4
12:59	15	0.27	6.8
13:14	--	--	--
13:21	7	1.21	23.1
--	--	--	--
15:00	--	--	10.0
15:15	15	3.26	19.3
15:30	--	--	--
15:45	--	--	6.0
16:00	15	1.17	6.8

DOWNWIND			
Time	**Interval (min)**	**Avg (ppm)**	**Max (ppm)**
Readings Not Recorded			

-- = Reading not collected/available

Table 3-2
Excavation CAMP Dust Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York
March 1, 2011

UPWIND	
Time	**Concentration (mg/m^3)**
Readings Not Recorded	

DOWNWIND	
Mass Maximum (mg/m3)	0.079
Mass Average (mg/m3)	0.001

Time	Concentration (mg/m^3)
9:54 AM	0.002
10:09 AM	0.000
10:24 AM	0.000
10:39 AM	0.000
10:54 AM	0.011
11:09 AM	0.000
11:24 AM	0.000
11:39 AM	0.000
11:54 AM	0.001
12:09 PM	0.001
12:24 PM	0.001
12:39 PM	0.000
12:54 PM	0.000
1:09 PM	0.000
1:24 PM	0.000
1:39 PM	0.000
1:54 PM	0.001
2:09 PM	0.001
2:24 PM	0.000
2:39 PM	0.000
2:54 PM	0.000
3:09 PM	0.000
3:24 PM	0.000
3:39 PM	0.001
3:54 PM	0.001
4:09 PM	0.001

Table 3-2 (Cont.)
Excavation CAMP Dust Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York
March 2, 2011

UPWIND	
Mass Maximum (mg/m^3)	0.089
Mass Average (mg/m^3)	0.009

DOWNWIND	
Mass Maximum (mg/m^3)	0.084
Mass Average (mg/m^3)	0.036

Time	Concentration (mg/m^3)
10:44 AM	0.017
10:59 AM	0.016
11:14 AM	0.018
11:29 AM	0.014
11:44 AM	0.014
11:59 AM	0.013
12:14 PM	0.009
12:29 PM	0.008
12:44 PM	0.008
12:59 PM	0.007
1:14 PM	0.005
1:29 PM	0.005
1:44 PM	0.005
1:59 PM	0.004
2:14 PM	0.005
2:29 PM	0.004
2:44 PM	0.003
2:59 PM	0.003
3:14 PM	0.003
3:29 PM (3:34 PM)	0.010

Time	Concentration (mg/m^3)
6:59 AM	0.050
7:14 AM	0.048
7:29 AM	0.047
7:44 AM	0.042
7:59 AM	0.039
8:14 AM	0.039
8:29 AM	0.040
8:44 AM	0.039
8:59 AM	0.039
9:14 AM	0.039
9:29 AM	0.039
9:44 AM	0.040
9:59 AM	0.040
10:14 AM	0.043
10:29 AM	0.047
10:44 AM	0.044
10:59 AM	0.039
11:14 AM	0.041
11:29 AM	0.027
11:44 AM	0.020
11:59 AM	0.019
12:15 PM	0.013
12:30 PM	0.013
12:45:PM (12:57 PM)	0.020
1:25 PM	0.000

Table 3-2 (Cont.)
Excavation CAMP Dust Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York
March 3, 2011

UPWIND	
Mass Maximum (mg/m^3)	0.037
Mass Average (mg/m^3)	0.006

Time	Concentration (mg/m^3)
8:29 AM	0.006
8:44 AM	0.003

DOWNWIND	
Mass Maximum (mg/m^3)	0.117
Mass Average (mg/m^3)	0.012

Time	Concentration (mg/m^3)
7:14 AM	0.023
7:29 AM	0.013
7:44 AM	0.011
7:59 AM	0.011
8:14 AM	0.013
8:29 AM	0.014
8:44 AM	0.015
8:59 AM	0.012
9:14 AM	0.016
9:29 AM	0.012
9:44 AM	0.014
9:59 AM	0.012
10:14 AM	0.008
10:29 AM	0.009
10:44 AM	0.013
10:59 AM	0.011
11:14 AM	0.012
11:29 AM	0.010
11:44 AM	0.009
11:59 AM	0.010
12:14 PM	0.010
12:30 PM	0.010
12:45 PM	0.010
1:00 PM	0.009
1:15 PM	0.009
1:30 PM	0.010
1:45 PM	0.009
2:00 PM (2:03 PM)	0.009

Table 3-3
Post-Excavation Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Sample Depth (feet)	Acetone (µg/kg)	Benzene (µg/kg)	Ethyl-benzene (µg/kg)	m,p-Xylenes (µg/kg)	Methyl Cyclohexane (µg/kg)	Cyclo-hexane (µg/kg)	Methylene Chloride (µg/kg)	Toluene (µg/kg)	Heptane (µg/kg)	VOC TICs (µg/kg)
POST-EXCAVATION SIDEWALL SAMPLES												
SW-W-1	3/2/2011	8.5-9.0	<18	<6.0	<6.0	<6.0	**8.4**	<6.0	<6.0	<6.0	<12	**259 J**
SW-W-2	3/3/2011	8.5-9.0	<14	<5.8	<5.8	<5.8	**46**	**2.5 J**	<5.8	**4.2 J**	**2.9 J**	**160 J**
SW-N-1	3/2/2011	8.5-9.0	<92	<32	<32	<32	**1,100**	**34**	<32	<32	<64	**5885 J**
SW-N-2	3/4/2011	8.5-9.0	<14	<6.4	<6.4	<6.4	**10**	<6.4	<6.4	**39**	<13	**84.8 J**
SW-N-3	3/4/2011	8.5-9.0	<31000	<23000	<23000	<23000	**52,000**	<23000	<23000	**680,000**	**170,000**	**344000 J**
SW-E-1	3/4/2011	8.5-9.0	<62	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	**10**	<12	**24.3 J**
SW-E-2	3/4/2011	8.5-9.0	<59	<5.9	<5.9	<5.9	**10**	<5.9	<5.9	**31**	**9.9 J**	**183 J**
SW-S-1A	3/3/2011	8.5-9.0	<32	<6.2	<6.2	<6.2	**66**	**4.8 J**	<6.2	**9.6**	<12	**575 J**
SW-S-2	3/8/2011	8.5-9.0	<12000	<6100	<6100	<6100	**11,000**	<6100	<9000	**120,000**	**35,000**	**57900 J**
SW-S-1B(3)	3/8/2011	8.5-9.0	<33	<6.3	<6.3	<6.3	**45**	<6.3	<7.4	<6.3	<13	**554 J**
QA/QC SAMPLES												
TB*	3/2/2011	-	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	ND
TB*	3/3/2011	-	**9.2 J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	ND
TB*	3/4/2011	-	**11 B**	<5.0	<5.0	<5.0	<5.0	<5.0	**2.9 JB**	<5.0	<10	ND
TB*	3/8/2011	-	**7.9 JB**	<5.0	<5.0	<5.0	<5.0	<5.0	**3.7 JB**	<5.0	<10	ND
FB-1*	3/8/2011	-	**8.0 JB**	<5.0	<5.0	<5.0	<5.0	<5.0	**5.7 B**	<5.0	<10	ND
			500,000	**44,000**	**390,000**	**500,000**	**500,000****	**500,000****	**500,000**	**500,000**	**500,000****	**-**
			NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375								exceedance =	
			1,000,000	**89,000**	**780,000**	**1,000,000**	**1,000,000****	**1,000,000****	**1,000,000**	**1,000,000**	**1,000,000****	**-**
			NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375								exceedance =	(none)

* aqueous samples

** commercial/industrial Soil Clean-Up Objective not listed - used cap value

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; ND = not detected; < ("less than") = analyte concentration below the laboratory detection limit.
B = compound also detected in the laboratory method blank, J = estimated concentration; compound detected below the quantitation limit; FB = field blank;
TB = trip blank.
Volatiles analyzed via EPA Method 8260. Only detected/selected analytes are listed above; detections in boldface. For a complete list of analytes see the laboratory reports.

Table 3-3 (Cont.)
Post-Excavation Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Sample Depth (feet)	2-Methyl-phenol (µg/kg)	4-Methyl-phenol (µg/kg)	Naph-thalene (µg/kg)	Dimethyl-phthalate (µg/kg)	Acenaph-thene (µg/kg)	Fluorene (µg/kg)	Phenan-thene (µg/kg)	Anthra-cene (µg/kg)
POST-EXCAVATION SIDEWALL SAMPLES										
SW-W-1	3/2/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	<400
SW-W-2	3/3/2011	8.5-9.0	<380	<380	<380	<380	<380	<380	<380	<380
SW-N-1	3/2/2011	8.5-9.0	<420	<420	<420	<420	<420	<420	<420	<420
SW-N-2	3/4/2011	8.5-9.0	<420	<420	<420	<420	<420	<420	<420	<420
SW-N-3	3/4/2011	8.5-9.0	**1600**	**1500**	**160 J**	<380	<380	<380	**79 J**	<380
SW-E-1	3/4/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	<400
SW-E-2	3/4/2011	8.5-9.0	<390	<390	<390	<390	<390	<390	<390	<390
SW-S-1A	3/3/2011	8.5-9.0	<410	<410	<410	<410	<410	<410	<410	<410
SW-S-2	3/8/2011	8.5-9.0	**120 J**	**130 J**	<400	<400	<400	<400	<400	<400
SW-S-1B(3)	3/8/2011	8.5-9.0	<410	<410	<410	<410	<410	<410	**230 J**	**140 J**
FB-1**	3/8/2011	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
			500,000***	**500,000*****	**500,000**	**100,000***	**500,000**	**500,000**	**500,000**	**500,000**
			NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375						exceedance =	(none)
			1,000,000***	**1,000,000*****	**1,000,000**	**100,000***	**1,000,000**	**1,000,000**	**1,000,000**	**1,000,000**
			NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375						exceedance =	(none)

* residential Soil Clean-Up Objective (no promulgated commercial SCO)

** aqueous sample

*** commercial/industrial Soil Clean-Up Objective not listed - used cap value

Table 3-3 (Cont.)
Post-Excavation Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Sample Depth (feet)	Carbazole (µg/kg)	Di-n-butyl phthalate (µg/kg)	Fluor-anthene (µg/kg)	Pyrene (µg/kg)	Diethyl phthalate (µg/kg)	Benzo(a) anthracene (µg/kg)	Chrysene (µg/kg)	bis(2-Ethyl-hexyl)phthalate (µg/kg)
POST-EXCAVATION SIDEWALL SAMPLES										
SW-W-1	3/2/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	<400
SW-W-2	3/3/2011	8.5-9.0	<380	<380	<380	<380	<380	<380	<380	<380
SW-N-1	3/2/2011	8.5-9.0	<420	<420	<420	<420	<420	<420	<420	<420
SW-N-2	3/4/2011	8.5-9.0	<420	<420	<420	<420	<420	<420	<420	<420
SW-N-3	3/4/2011	8.5-9.0	<380	<380	<380	<380	<380	<380	<380	<1400
SW-E-1	3/4/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	<400
SW-E-2	3/4/2011	8.5-9.0	<390	<390	<390	<390	<390	<390	<390	<390
SW-S-1A	3/3/2011	8.5-9.0	<410	<410	<410	<410	<410	<410	<410	<410
SW-S-2	3/8/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	<400
SW-S-1B(3)	3/8/2011	8.5-9.0	<410	<410	**450**	**460**	<410	**320 J**	**460**	<410
FB-1**	3/8/2011	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**1.8 J**
			-	**100,000***	**500,000**	**500,000**	**100,000***	**5,600**	**56,000**	**50,000***
			NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375						exceedance =	(none)
			-	**100,000***	**1,000,000**	**1,000,000**	**100,000***	**11,000**	**110,000**	**50,000***
			NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375						exceedance =	(none)

* residential Soil Clean-Up Objective (no promulgated commercial SCO)

** aqueous sample

*** commercial/industrial Soil Clean-Up Objective not listed - used cap value

Table 3-3 (Cont.)
Post-Excavation Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Sample Depth (feet)	Di-n-octyl-phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd) pyrene (µg/kg)	Dibenzo(a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	SVOC TICs (µg/kg)
POST-EXCAVATION SIDEWALL SAMPLES										
SW-W-1	3/2/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	ND
SW-W-2	3/3/2011	8.5-9.0	<380	<380	<380	<380	<380	<380	<380	**15810 J**
SW-N-1	3/2/2011	8.5-9.0	<420	<420	<420	<420	<420	<420	<420	**520 J**
SW-N-2	3/4/2011	8.5-9.0	<420	<420	<420	<420	<420	<420	<420	**12190 J**
SW-N-3	3/4/2011	8.5-9.0	<95	<380	<380	<380	<380	<380	<380	**21150 J**
SW-E-1	3/4/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	**15250 J**
SW-E-2	3/4/2011	8.5-9.0	<390	<390	<390	<390	<390	<390	<390	**15200 J**
SW-S-1A	3/3/2011	8.5-9.0	<410	<410	<410	<410	<410	<410	<410	**19490 J**
SW-S-2	3/8/2011	8.5-9.0	<400	<400	<400	<400	<400	<400	<400	**12840 J**
SW-S-1B(3)	3/3/2011	8.5-9.0	<410	**380 J**	**330 J**	**210 J**	**160 J**	<410	**130 J**	**14380 J**
FB-1**	3/8/2011	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA
			100,000*	**5,600**	**56,000**	**1,000**	**5,600**	**560**	**500,000**	**-**
			NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375						exceedance =	(none)
			100,000*	**11,000**	**110,000**	**1,100**	**11,000**	**1,100**	**1,000,000**	**-**
			NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375						exceedance =	(none)

* residential Soil Clean-Up Objective (no promulgated commercial SCO)

** aqueous sample

*** commercial/industrial Soil Clean-Up Objective not listed - used cap value

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; B = compound also detected in the laboratory method blank; J = estimated concentration, detected below the quantitation limit; ND = not detected.

Semi-volatile organic compounds (SVOCs) plus TICs analyzed via EPA Method 8270. Detections in boldface. Only detected and selected analytes are listed above. A complete list of analytes is provided in the laboratory report.

Table 3-3 (Cont.)
Post-Excavation Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Sample Depth (feet)	Aroclor 1016 (µg/kg)	Aroclor 1221 (µg/kg)	Aroclor 1232 (µg/kg)	Aroclor 1242 (µg/kg)	Aroclor 1248 (µg/kg)	Aroclor 1254 (µg/kg)	Aroclor 1260 (µg/kg)	Aroclor 1262 (µg/kg)	Aroclor 1268 (µg/kg)	Total Aroclors (µg/kg)
POST-EXCAVATION SIDEWALL SAMPLES												
SW-W-1	3/2/2011	8.5-9.0	<40 J	<40	<40	<40	<40	<40	<40	<40	<40	<40
SW-W-2	3/3/2011	8.5-9.0	<38 J	<38	<38	<38	<38	<38	<38	<38	<38	<38
SW-N-1	3/2/2011	8.5-9.0	<42 J	<42	<42	<42	<42	<42	<42	<42	<42	<42
SW-N-2	3/4/2011	8.5-9.0	<42 J	<42	<42	<42	<42	<42	<42	<42	<42	<42
SW-N-3	3/4/2011	8.5-9.0	<38 J	<38	<38	<38	<38	<38	<38	<38	<38	<38
SW-E-1	3/4/2011	8.5-9.0	<40 J	<40	<40	<40	<40	<40	<40	<40	<40	<40
SW-E-2	3/4/2011	8.5-9.0	<39 J	<39	<39	<39	<39	<39	<39	<39	<39	<39
SW-S-1A	3/3/2011	8.5-9.0	<41 J	<41	<41	<41	<41	<41	<41	<41	<41	<41
SW-S-1B(3)	3/3/2011	8.5-9.0	<41 J	<41	<41	<41	<41	<41	<41	<41	<41	<41
SW-S-2	3/8/2011	8.5-9.0	<40 J	<40	<40	<40	<40	<40	<40	<40	<40	<40
FB-1*	3/8/2011	8.5-9.0	<0.065 J	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
			NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375							exceedance =	(none)	**1,000**
			NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375							exceedance =	(none)	**25,000**

* aqueous sample

µg/kg = micrograms per kilogram; J = estimated concentration, detected below the quantitation limit.
Polychlorinated biphenyls (PCBs) analyzed via EPA Method 8082.

Table 3-4
Chem-Ox Field Application Data
Former Norton/Nashua Facility
Watervliet, New York

Injection Date	Reagent/ Catalyst Concentration (%)	Persulfate Volume (gal)	Persulfate Injection Time (mins)	Catalyst Volume (gal)	Catalyst Injection Time (mins)	H_2O_2 Volume (gal)	H_2O_2 Injection Time (mins)	Persulfate Flow Rate (gal/min)	Catalyst Flow Rate (gal/min)	H_2O_2 Flow Rate (gal/min)
08-Mar-11	10%			400	27				14.81	
	10%			200	12				16.67	
	10%	500	29					17.24		
	10%					600	43			13.95
	10%			400	28				14.29	
	10%	500	25					20.00		
	10%					300	21			14.29
	10%			500	35				14.29	
	10%	500	35					14.29		
	10%					600	49			12.24
09-Mar-11	10%			600	60				10.00	
	10%	500	35					14.29		
	10%					600	54			11.11
	10%			400	31				12.90	
	10%	500	24					20.83		
	10%					400	25			16.00
	10%			500	25				20.00	
	10%	500	24					20.83		
	10%					500	31			16.13
	10%			500	37				13.51	
	10%	500	28							
	10%					500	34			14.71
	10%			400	26				15.38	
	10%	400	31					12.90		
	10%					400	27			14.81
10-Mar-11	15%			400	31				12.90	
	15%	400	25					16.00		
	15%					400	28			14.29
	15%			400	31					
	15%	400	29					13.79		
	15%					400	28			14.29
TOTAL		**4700**	**-**	**4700**	**-**	**4700**	**-**	**16.69**	**14.48**	**14.18**

Reagents: stabilized hydrogen peroxide (H_2O_2) and sodium persulfate; Catalyst: ISOTEC series Cat-4260 chelated iron complex
Data Provided by In-Situ Oxidative Technologies, Inc. (ISOTEC) of West Windsor, New Jersey

Table 3-5
Chem-Ox Air Monitoring Data
Former Norton/Nashua Facility
Watervliet, New York

Date	Time	CO (ppm)	LEL (%)	VOC (ppm)	H_2S (ppm)	O2 (%)	Notes
3/8/2011	11:45 AM	0	0	0.0	0	20.9	
3/8/2011	12:30 PM	1	0	0.0	0	20.9	
3/8/2011	1:45 PM	0	0	5.7	0	20.9	stone fill loading in trench, excavator in use
3/8/2011	2:15 PM	1	0	1.6	0	21.1	stone fill loading in trench, excavator in use
3/8/2011	3:00 PM	2	0	0.0	0	21.4	stone fill loading in trench, excavator in use
3/8/2011	4:15 PM	1	0	0.0	0	21.0	stone fill loading in trench, excavator in use
3/9/2011	10:00 AM	0	0	1.1	0	20.9	stone fill loading in trench, excavator in use
3/9/2011	11:30 AM	0	0	0.3	0	20.9	stone fill loading in trench, excavator in use
3/9/2011	12:45 PM	1	0	3.8	0	20.9	stone fill loading in trench, excavator in use
3/9/2011	1:55 PM	0	0	0.5	0	20.9	stone fill loading in trench, excavator in use
3/9/2011	3:10 PM	1	0	0.8	0	20.9	
3/9/2011	4:45 PM	0	0	1.3	0	20.9	
3/10/2011	9:30 AM	0	0	0.6	0	20.9	
3/10/2011	10:40 AM	0	0	0.2	0	20.9	

ppm = parts per million
CO = carbon monoxide
LEL = lower explosive limit
VOC = volatile organic compound
H_2S = hydrogen sulfide
O_2 = oxygen

Data Provided by In-Situ Oxidative Technologies, Inc. (ISOTEC) of West Windsor, New Jersey

Table 3-6
Stockpiled Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Acetone (µg/kg)	Benzene (µg/kg)	Ethyl-benzene (µg/kg)	Methylene Chloride (µg/kg)	m,p-Xylenes (µg/kg)	Cyclo-hexane (µg/kg)	Methyl Cyclohexane (µg/kg)	Toluene (µg/kg)	Heptane (µg/kg)	VOC TICs (µg/kg)
STOCKPILED SOIL SAMPLES											
S-1	3/4/2011	<12	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	**8.2**	<12	ND
S-2	3/4/2011	<13	<5.9	<5.9	<5.9	<5.9	**12**	**240 EJ**	**63**	**83**	**1037 J**
S-3	3/4/2011	<12	<5.9	<5.9	<5.9	<5.9	<5.9	**7.8**	**57**	<12	**12.8 J**
S-4	3/4/2011	<12	<5.8	<5.8	<5.8	<5.8	<5.8	**6.0**	**82**	<12	ND
		500,000	**44,000**	**390,000**	**500,000**	**500,000**	**500,000***	**500,000***	**500,000**	**500,000***	**-**
		NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375								exceedance =	(none)
		1,000,000	**89,000**	**780,000**	**1,000,000**	**1,000,000**	**1,000,000***	**1,000,000***	**1,000,000**	**1,000,000***	**-**
		NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375								exceedance =	(none)

* commercial/industrial Soil Clean-Up Objective not listed - used cap value

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; ND = not detected; < ("less than") = analyte concentration below the laboratory detection limit.
B = compound also detected in the laboratory method blank, J = estimated concentration; compound detected below the quantitation limit; FB = field blank;
TB = trip blank.

Volatiles analyzed via EPA Method 8260. Only detected/selected analytes are listed above; detections in boldface. For a complete list of analytes see the laboratory reports.

Table 3-6 (Cont.)
Stockpiled Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	2-Methyl-phenol (µg/kg)	4-Methyl-phenol (µg/kg)	Naph-thalene (µg/kg)	Dimethyl-phthalate (µg/kg)	Acenaph-thene (µg/kg)	Fluorene (µg/kg)	Phenan-thene (µg/kg)	Anthra-cene (µg/kg)
STOCKPILED SOIL SAMPLES									
S-2	3/4/11	<390	<390	<390	<390	**140 J**	**130 J**	**1,500**	**630**
S2-1	3/10/11	<420	<420	<420	<420	<420	<420	**160 J**	<420
S2-2	3/10/11	<410	<410	<410	<410	<410	<410	**200 J**	**88 J**
S2-3	3/10/11	<390	<390	<390	<390	<390	<390	**720**	**300 J**
S2-4	3/10/11	<390	<390	<390	<390	**110 J**	**100 J**	**980**	**410**
S-3	3/4/11	<390	<390	<390	<430	**93 J**	**100 J**	**1,100**	**440**
		500,000	**500,000**	**500,000**	**100,000***	**500,000**	**500,000**	**500,000**	**500,000**
		NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375						exceedance =	(none)
		1,000,000	**1,000,000**	**1,000,000**	**100,000***	**1,000,000**	**1,000,000**	**1,000,000**	
		NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375						exceedance =	(none)

Sample Designation	Sampling Date	Carbazole (µg/kg)	Di-n-butyl phthalate (µg/kg)	Fluor-anthene (µg/kg)	Pyrene (µg/kg)	Diethyl phthalate (µg/kg)	Benzo(a) anthracene (µg/kg)	Chrysene (µg/kg)	bis(2-Ethyl-hexyl)phthalate (µg/kg)
STOCKPILED SOIL SAMPLES									
S-2	3/4/11	<390	<390	**2,900**	**2,200**	<390	**1,300**	**1,400**	**790**
S2-1	3/10/11	<420	<420	**220 J**	**220 J**	<510	**140 J**	**170 J**	<690
S2-2	3/10/11	<410	<410	**400 J**	**350 J**	<410	**220 J**	**270 J**	<410
S2-3	3/10/11	<390	<390	**1,600**	**1,300**	<390	**710**	**800**	<390
S2-4	3/10/11	<390	<390	**1,700**	**1,300**	<390	**760**	**840**	<390
S-3	3/4/11	<390	<390	**2,100**	**1,700**	<390	**940**	**1,100**	**940**
		500,000**	**100,000***	**500,000**	**500,000**	**100,000***	**5,600**	**56,000**	**50,000***
		NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375						exceedance =	(none)
		1,000,000**	**100,000***	**1,000,000**	**1,000,000**	**100,000***	**11,000**	**110,000**	**50,000***
		NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375						exceedance =	(none)

* residential Soil Clean-Up Objective (no promulgated commercial SCO)

** commercial/industrial Soil Clean-Up Objective not listed - used cap value

Table 3-6 (Cont.)
Stockpiled Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Di-n-octyl-phthalate (µg/kg)	Benzo(b) fluoranthene (µg/kg)	Benzo(k) fluoranthene (µg/kg)	Benzo(a) pyrene (µg/kg)	Indeno(1,2,3-cd) pyrene (µg/kg)	Dibenzo(a,h) anthracene (µg/kg)	Benzo(g,h,i) perylene (µg/kg)	SVOC TICs (µg/kg)
STOCKPILED SOIL SAMPLES									
S-2	3/4/11	<390	**1,300**	**1,300**	**1,100**	**720**	<390	<390	**12400 J**
S2-1	3/10/11	<420	**160 J**	**140 J**	**110 J**	**110 J**	<420	**95 J**	**76256 J**
S2-2	3/10/11	<410	**250 J**	**200 J**	**190 J**	**160 J**	<410	**140 J**	**121880 J**
average	**S1-2 stockpile**	<407	**570**	**547**	**467**	**330 J**	<407	**208 J**	**70178 J**
S-3	3/4/11	<390	**900**	**810**	**800**	**630**	**81 J**	**550**	**19380 J**
S2-3	3/10/11	<390	**680**	**680**	**590**	**410**	<390	**350 J**	**21667 J**
S2-4	3/10/11	<390	**800**	**640**	**710**	**470**	<390	**440**	**49113 J**
average	**S3-4 stockpile**	<390	**793**	**710**	**700**	**503**	**287 J**	**447**	**30053 J**
		100,000*	**5,600**	**56,000**	**1,000**	**5,600**	**560**	**500,000**	**-**
		NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375						exceedance =	
		100,000*	**11,000**	**110,000**	**1,100**	**11,000**	**1,100**	**1,000,000**	**-**
		NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375						exceedance =	(none)

* residential Soil Clean-Up Objective (no promulgated commercial SCO)

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; B = compound also detected in the laboratory method blank; J = estimated concentration, detected below the quantitation limit; ND = not detected.

Semi-volatile organic compounds (SVOCs) plus TICs analyzed via EPA Method 8270. Detections in boldface. Only detected and selected analytes are listed above. A complete list of analytes is provided in the laboratory report. TIC totals do not include B-qualified detections.

Table 3-6 (Cont.)
Stockpiled Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Aroclor 1016 (µg/kg)	Aroclor 1221 (µg/kg)	Aroclor 1232 (µg/kg)	Aroclor 1242 (µg/kg)	Aroclor 1248 (µg/kg)	Aroclor 1254 (µg/kg)	Aroclor 1260 (µg/kg)	Aroclor 1262 (µg/kg)	Aroclor 1268 (µg/kg)	Total Aroclors (µg/kg)
STOCKPILED SOIL SAMPLES											
S-2	3/4/11	<39 J	<39	<39	<39	<39	**29 J**	<39	<39	<39	**29 J**
S-3	3/4/11	<39 J	<39	<39	<39	<39	**17 J**	<39	<39	<39	**17 J**
		NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375							exceedance =	(none)	**1,000**
		NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375							exceedance =	(none)	**25,000**

µg/kg = micrograms per kilogram; J = estimated concentration, detected below the quantitation limit.

Polychlorinated biphenyls (PCBs) analyzed via EPA Method 8082.

Table 4-1
Post Treatment Soil Analytical Data
Former Norton/Nashua Facility
Watervliet, NY

Sample Designation	Sampling Date	Sample Depth (feet)	Acetone (µg/kg)	Benzene (µg/kg)	Ethyl-benzene (µg/kg)	Methylene Chloride (µg/kg)	m,p-Xylenes (µg/kg)	Cyclo-hexane (µg/kg)	Methyl Cyclohexane (µg/kg)	Toluene (µg/kg)	Heptane (µg/kg)	VOC TICs (µg/kg)
POST-EXCAVATION SIDEWALL SAMPLES												
MW-25	5/11/2011	12.5-13.0	<15	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	**770 EJ**	<12	ND
MW-25 RE	5/11/2011	12.5-13.0	<120	<30	<30	<37	<30	<30	<30	**98**	<60	ND
MW-26	5/11/2011	13.5-14.0	<11	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	**4.7 J**	<11	ND
MW-27	5/11/2011	13.5-14.0	<23 J	<5.5 J	<5.5 J	<5.6 J	<5.5 J	<5.5 J	<5.5 J	**180 J**	**6.8 J**	ND
MW-27 RE	5/11/2011	13.5-14.0	<19	<5.5	<5.5	<8.7	<5.5	<5.5	<5.5	**100**	<11	ND
Post Ex 1	5/11/2011	6.5-7.0	<11	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**11**	<11	ND
Post Ex 2	5/11/2011	8.5-9.0	<1200	<580	**280 J**	<580	**1600**	<580	<580	**21000**	<1200	ND
			500,000	**44,000**	**390,000**	**500,000**	**500,000**	**500,000***	**500,000***	**500,000**	**500,000***	**-**
			NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375								exceedance =	(none)
			1,000,000	**89,000**	**780,000**	**1,000,000**	**1,000,000**	**1,000,000***	**1,000,000***	**1,000,000**	**1,000,000***	**-**
			NYSDEC Restricted Use Soil Clean-Up Objective (industrial) per 6 NYCRR Part 375								exceedance =	(none)

* commercial/industrial Soil Clean-Up Objective not listed - used cap value

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; ND = not detected; < ("less than") = analyte concentration below the laboratory detection limit.
B = compound also detected in the laboratory method blank, J = estimated concentration; compound detected below the quantitation limit; ND = not detected.
March 2011 samples collected prior to chemical oxidation (chem-ox) treatment of excavation; May 2011 samples collected after chem-ox treatment of excavation.

Volatiles analyzed via EPA Method 8260. Only detected/selected analytes are listed above; detections in boldface. For a complete list of analytes see the laboratory reports.

Table 4-2
Groundwater Analytical Data
(including MP-2 Historical Results)
Former Norton/Nashua Facility
Watervliet, New York

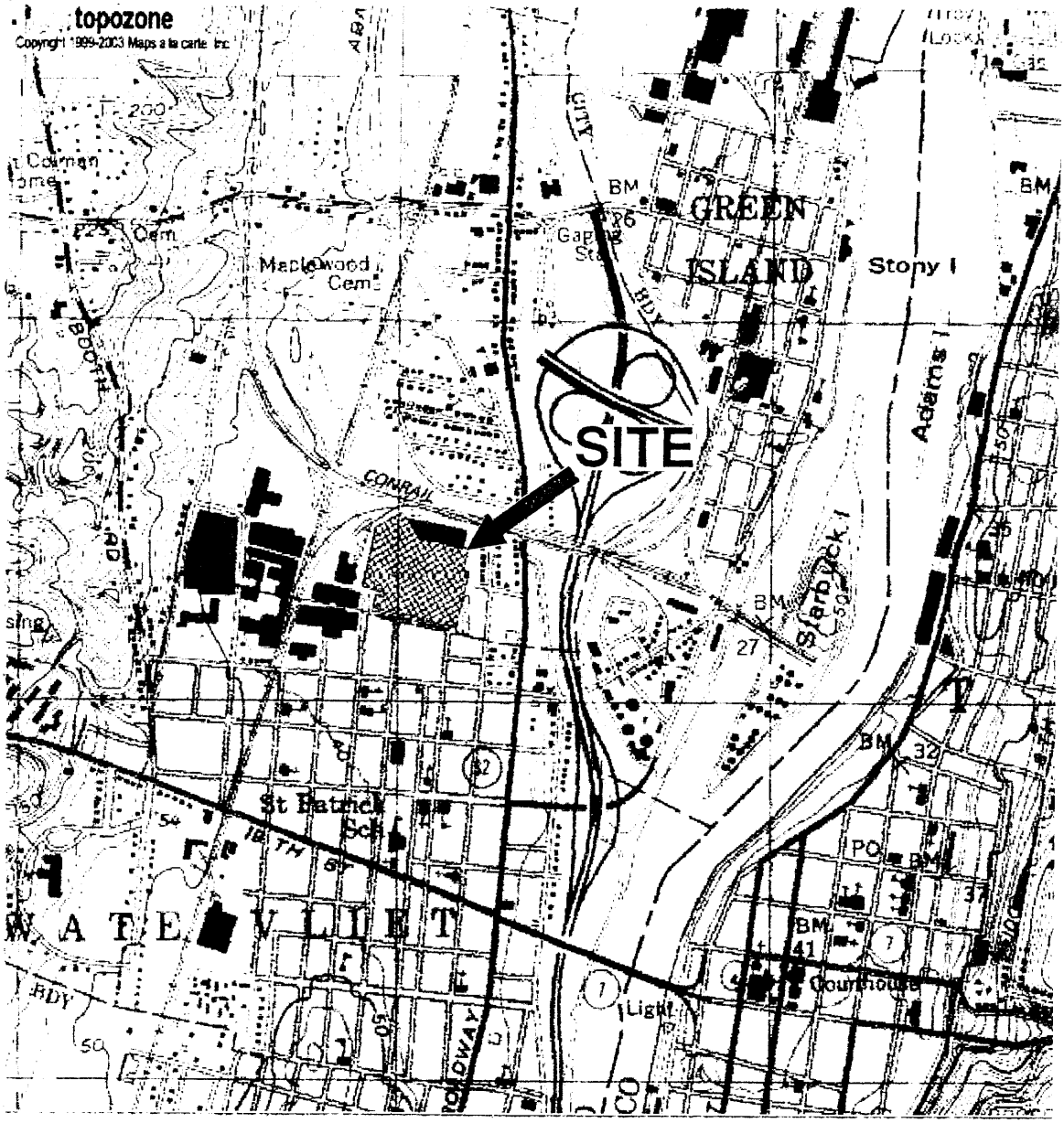
Sample Designation	Sampling Date	Acetone (µg/L)	Benzene (µg/L)	Ethyl-benzene (µg/L)	m,p-Xylenes (µg/L)	Methylcyclo-hexane (µg/L)	Cyclo-hexane (µg/L)	Methylene Chloride (µg/L)	Toluene (µg/L)	Heptane (µg/L)	Total TICs (µg/L)
MP-2	2/18/04	<200	<100	<100	<100	<100	<100	**67 JB**	**2,200**	<200	ND
	6/23/05	**12 J**	**5 J**	**8 J**	**4 J**	<10	<10	**5 J**	**13**	<20	ND
DIL	6/23/05	**51 B**	<50	**470 E**	<50	**350**	<50	**10 J**	**12 J**	<50	**400 J**
	10/25/05	<500	<500	<500	<500	**330 J**	<500	**1,000**	**4,600**	<500	ND
	6/2/09	<100	<50	<50	<50	**310**	<50	**77**	**1,200**	<50	303 J
	8/26/09	<20	<10	**6.9 J**	<10	**280**	**32**	<10	**330**	<10	**336 J**
	5/12/11	<10	<5	<5	<5	<5	<5	<5	**70**	<10	ND
MW-25*	7/25/11	<6.7	<5	<5	<5	<5	<5	<12	<5	<10	ND
MW-26	7/25/11	**8,500 B**	<2500	<2500	<2500	<2500	<2500	**2,700 B**	**59,000**	<5000	ND
MW-27*	7/25/11	<31000	<10000	<10000	<10000	<10000	<10000	<10000	**260,000**	<20000	ND

* chloroform was detected in the MW-25 (concentration 3 J µg/L) and MW-27 (concentration 6,200 J µg/L) samples

µg/L = micrograms per liter; TICs = tentatively identified compounds; ND = not detected; B = detected in the laboratory blank; E = laboratory estimated concentration; J = estimated concentration, < ("less than") = detected below the quantitation limit; DIL = diluted.

Volatiles analyzed via EPA Method 8260 plus heptane and TICs. Only detected analytes are listed above. B-qualified TICs not included in above table. For a complete list of analytes, see the laboratory reports.

FIGURES

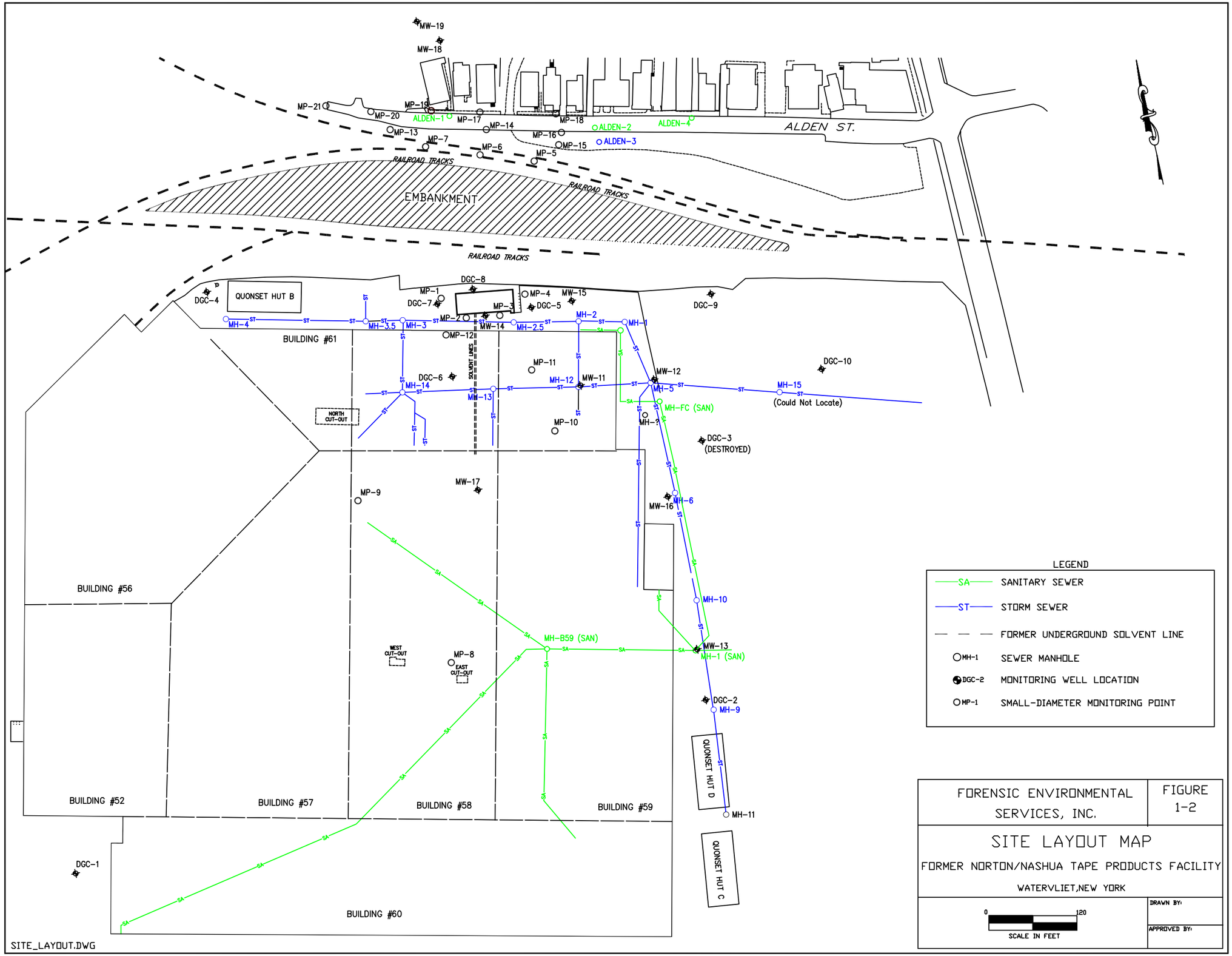


N

DERIVED FROM THE TROY SOUTH QUADRANGLE
COMPILED BY THE U.S. GEOLOGICAL SURVEY.

FORENSIC ENVIRONMENTAL SERVICES, INC.	FIGURE 1-1
SITE LOCATION MAP FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY WATERVLIET, NEW YORK	
0 1540 SCALE IN FEET	DRAWN BY: APPROVED BY:

WV-TOPO.DWG



LEGEND

- SA — SANITARY SEWER
- ST — STORM SEWER
- — — — FORMER UNDERGROUND SOLVENT LINE
- MH-1 — SEWER MANHOLE
- DGC-2 — MONITORING WELL LOCATION
- MP-1 — SMALL-DIAMETER MONITORING POINT

FORENSIC ENVIRONMENTAL SERVICES, INC.	FIGURE 1-2

SITE LAYOUT MAP

FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY

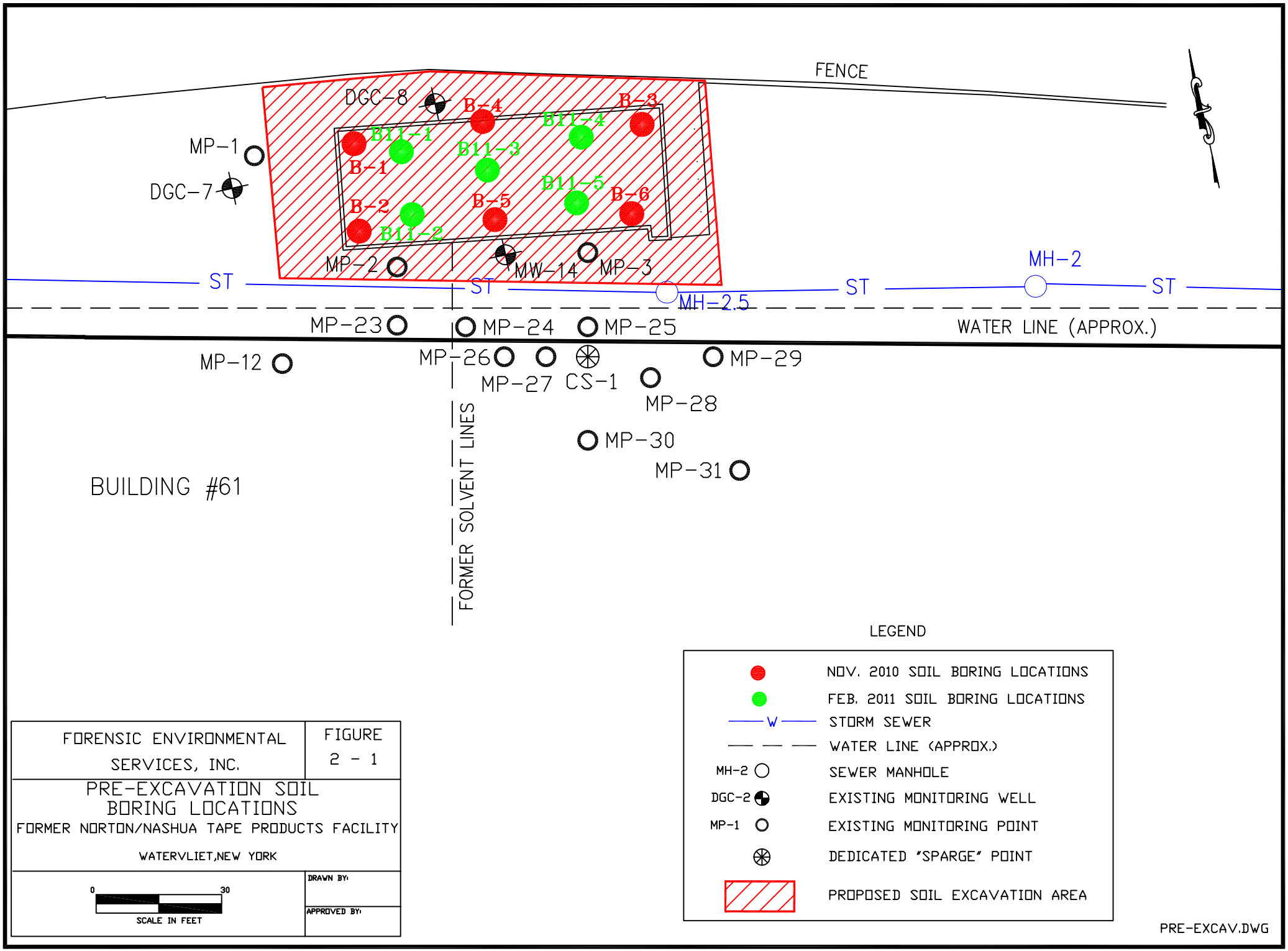
WATERVLIET,NEW YORK

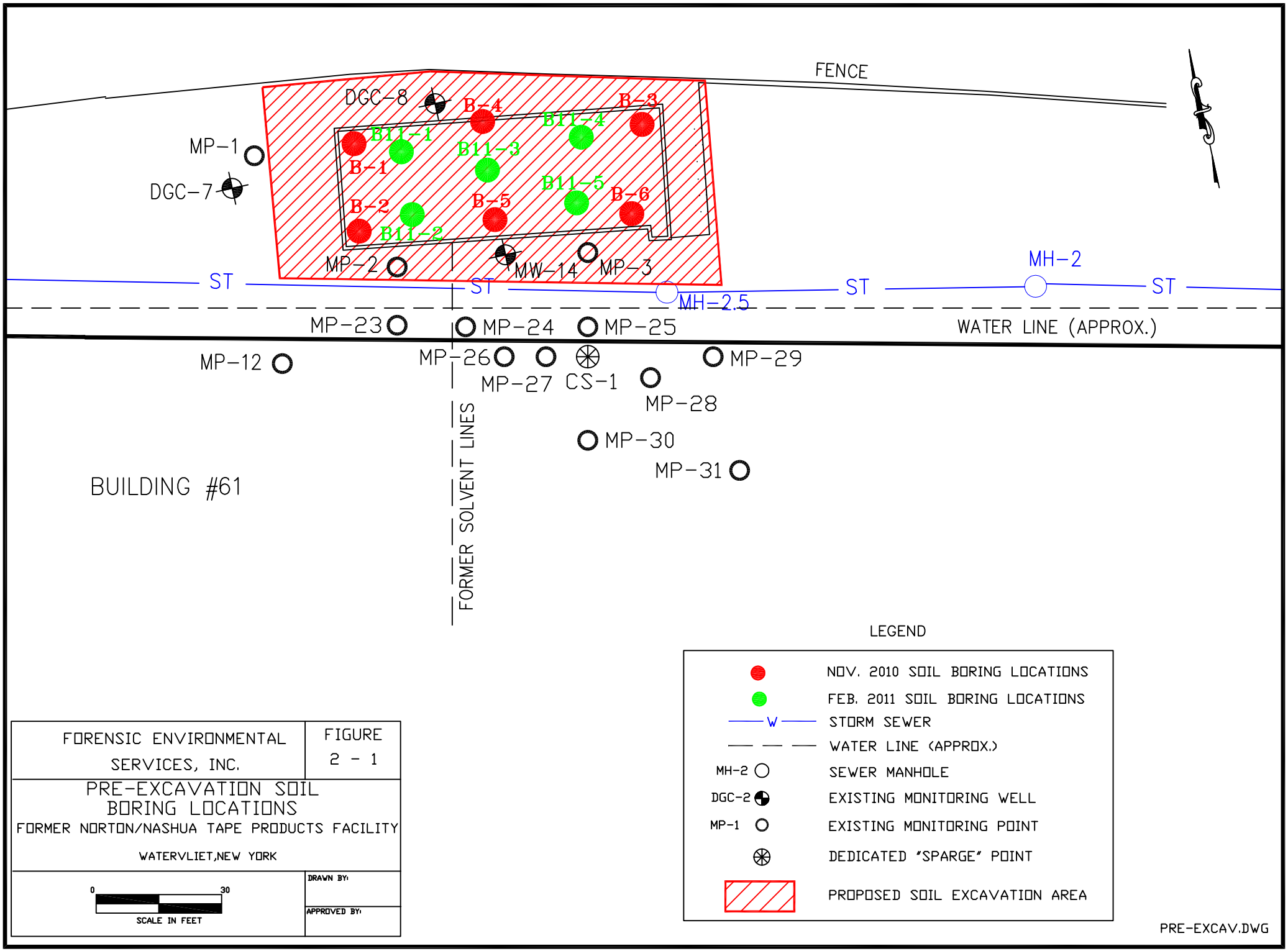
0 120

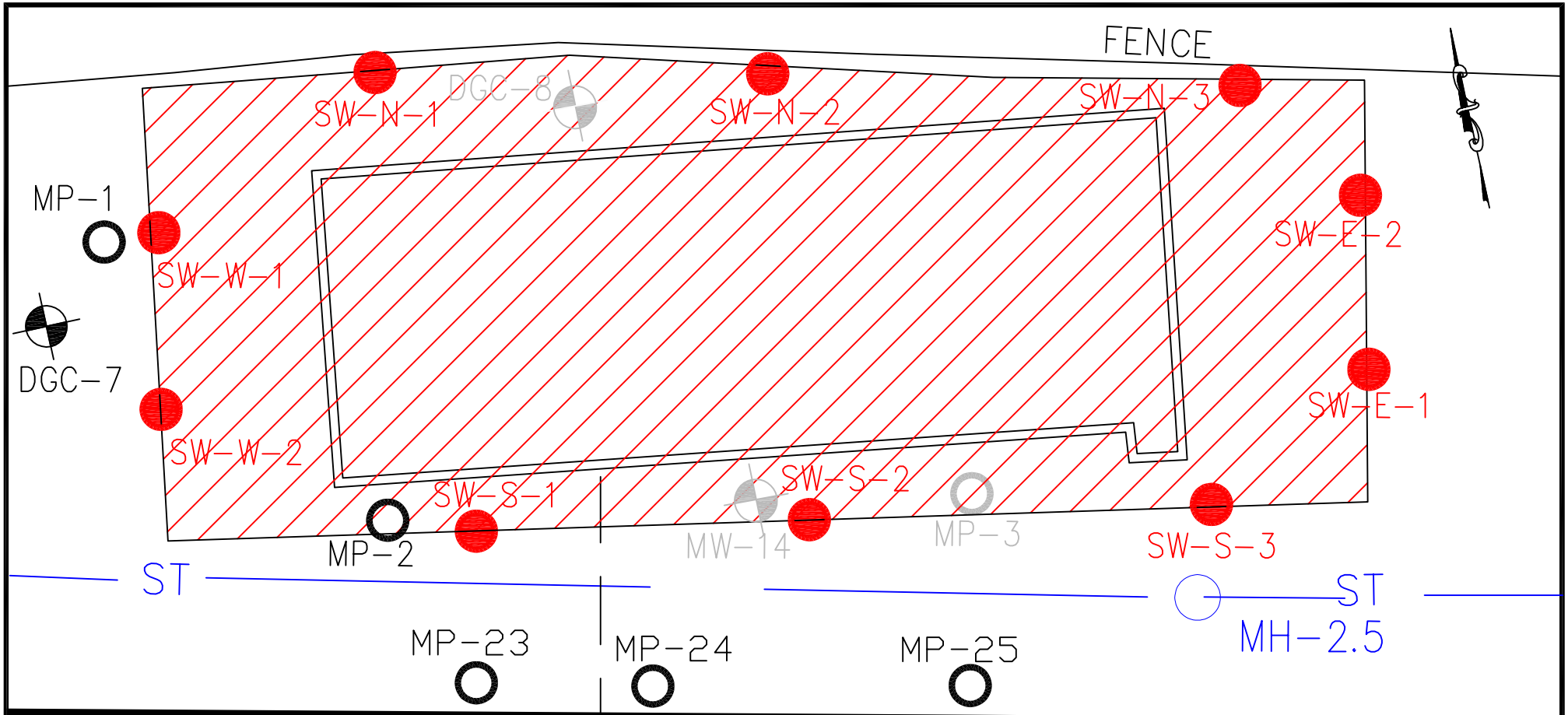
SCALE IN FEET

DRAWN BY:

APPROVED BY:


FENCE
DGC-8
B-4
B-3
B11-4
B11-1
B11-3
MP-1
B-1
DGC-7
B11-5
B-6
B-2
B-5
B11-2
MP-2
MW-14
MP-3
MH-2
ST
ST
ST
ST
MH-2.5
MP-23
MP-24
MP-25
WATER LINE (APPROX.)
MP-12
MP-26
MP-29
MP-27
CS-1
MP-28
MP-30
MP-31
BUILDING #61
FORMER SOLVENT LINES
LEGEND
NOV. 2010 SOIL BORING LOCATIONS
FEB. 2011 SOIL BORING LOCATIONS
W
STORM SEWER
WATER LINE (APPROX.)
MH-2
SEWER MANHOLE
DGC-2
EXISTING MONITORING WELL
MP-1
EXISTING MONITORING POINT
DEDICATED "SPARGE" POINT
PROPOSED SOIL EXCAVATION AREA
FORENSIC ENVIRONMENTAL SERVICES, INC.
FIGURE 2 - 1
PRE-EXCAVATION SOIL BORING LOCATIONS
FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY
WATERVLIET,NEW YORK
0
30
SCALE IN FEET
DRAWN BY:
APPROVED BY:
PRE-EXCAV.DWG


FENCE
DGC-8
B-4
B-3
B11-4
B11-1
B11-3
MP-1
B-1
DGC-7
B11-5
B-6
B-2
B-5
B11-2
MP-2
MW-14
MP-3
MH-2
ST
ST
ST
ST
MH-2.5
MP-23
MP-24
MP-25
WATER LINE (APPROX.)
MP-12
MP-26
MP-29
MP-27
CS-1
MP-28
MP-30
MP-31
BUILDING #61
FORMER SOLVENT LINES
LEGEND
NOV. 2010 SOIL BORING LOCATIONS
FEB. 2011 SOIL BORING LOCATIONS
W
STORM SEWER
WATER LINE (APPROX.)
MH-2
SEWER MANHOLE
DGC-2
EXISTING MONITORING WELL
MP-1
EXISTING MONITORING POINT
DEDICATED "SPARGE" POINT
PROPOSED SOIL EXCAVATION AREA
FORENSIC ENVIRONMENTAL SERVICES, INC.
FIGURE 2 - 1
PRE-EXCAVATION SOIL BORING LOCATIONS
FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY
WATERVLIET,NEW YORK
0
30
SCALE IN FEET
DRAWN BY:
APPROVED BY:
PRE-EXCAV.DWG

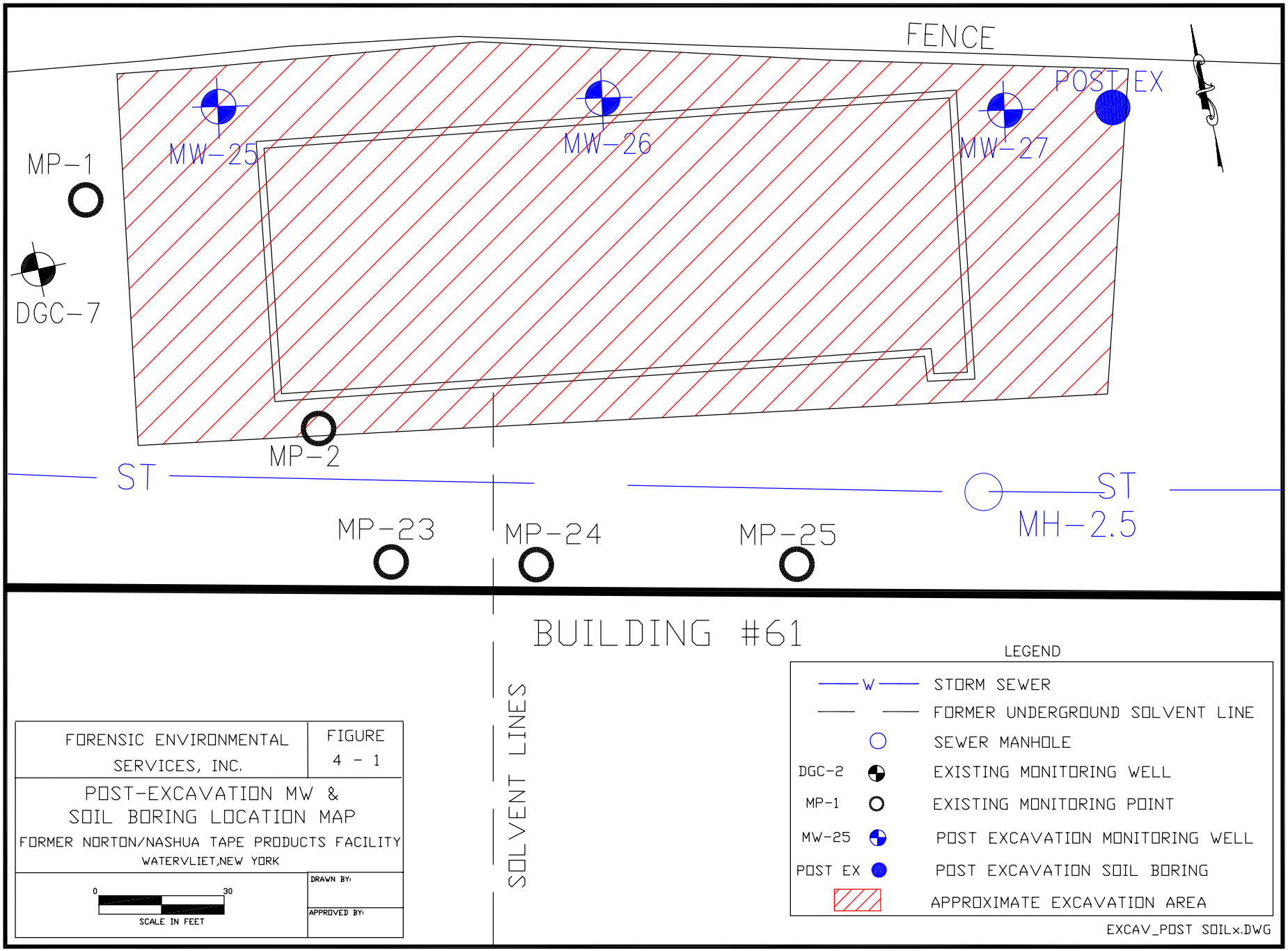


LEGEND

W	STORM SEWER
	FORMER UNDERGROUND SOLVENT LINE
	SEWER MANHOLE
DGC-2	EXISTING MONITORING WELL
MP-1	EXISTING MONITORING POINT
MW-14	MONITORING WELL DESTROYED DURING EXCAVATION
	POST EXCAVATION SOIL SAMPLES
	APPROXIMATE EXCAVATION AREA

FORENSIC ENVIRONMENTAL SERVICES, INC.	FIGURE 3 - 1
EXCAVATION MAP WITH POST EXCAV. SOIL SAMPLING LOCATIONS FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY WATERVLIET,NEW YORK	
0 30 SCALE IN FEET	DRAWN BY: APPROVED BY:

EXCAV. MAP.DWG



FORENSIC ENVIRONMENTAL SERVICES, INC.	FIGURE 4 - 1
POST-EXCAVATION MW & SOIL BORING LOCATION MAP FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY WATERVLIET,NEW YORK	
0 30 SCALE IN FEET	DRAWN BY: APPROVED BY:

APPENDIX A
SOIL BORING LOGS

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
FES B-1	11/18/2010	Kyle Swartzwelder
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Geoprobe™	Macro-Core
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	11.0

Notes: Soil sample FES B-1 (7 feet, 9 feet, & 11 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0	0 - 5	5	0.0		Dark/light brown to orange clayey silt with gravel (0' - 6.5');
-					Moist at 3'.
-					
-					
-					
5	5 - 10	5			
-			4.5		Orange clay, moist, soft (6.5' - 7'); water at 6.5'.
-			450 - 4200	FES B-1 (7')	Gray clay with some gavel; toluene odor (7' - 8 ').
-			9999		Light tan clay with some gravel; wet (8' - 10').
-				FES B-1 (9')	
10	10 - 15	1	9999		Gray gravel and stone; wet.
-				FES B-1 (11')	**Boring FES B-1 terminated at 11 feet (refusal).**
-					
-					
-					
15					
-					

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
FES B-2	11/18/2010	Kyle Swartzwelder
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Geoprobe™	Macro-Core
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	12.0

Notes: Soil sample FES B-2 (6 feet, 8 feet, & 11 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0	0 - 5	5	4.5		Dark brown to black silt loam and fine sand; moist (0' - 3').
-					
-					Gravel.
-					Dark gray to light tan clay; moist; plasticity.
-			5 - 10		Dark gray to tan clay and gravel; wet. (4' - 6.5').
5	5 - 10	5			Dark gray to tan clay and gravel.
-			450	FES B-2 (6')	
-			50 - 150		Light gray clay; stiff.
-				FES B-2 (8')	Dark gray rock & gravel; wet (8' -12').
-					
10	10 - 15	2			
-			150 - 250	FES B-2 (11')	
-			15 - 20		**Boring FES B-2 terminated at 12 feet.**
-					
-					
15					
-					

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
FES B-3	11/18/2010	Kyle Swartzwelder
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Geoprobe™	Macro-Core
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	11.5

Notes: Soil sample FES B-3 (4 feet, 8 feet, & 11 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0	0 - 5	5	0 - 50		Dark brown silt with gravel and rock (0' - 3').
-					
-					
-					Brown to gray silt and fine sand.
-			500 - 700	FES B-3 (4')	Clay, rock, and gravel; wet (4' - 6).
5	5 - 10	5	50 - 100		
-			4000 - 9999		Gray coarse sand; wet (6' - 8').
-					
-			4000 - 9999	FES B-3 (8')	Gray medium sand and silt; wet (8' - 11.5').
-					
10	10 - 15	1.5			
-			500	FES B-3 (11')	
-					**Boring FES B-3 terminated at 11.5 feet (refusal).**
-					
-					
15					
-					

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
FES B-4	11/18/2010	Kyle Swartzwelder
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Geoprobe™	Macro-Core
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	12.0

Notes: Soil sample FES B-4 (6 feet, 9 feet, & 12 feet(MS/MSD)) submitted for laboratory analysis of VOCs, TICs, & heptane.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0	0 - 5	5	0 - 10		Dark brown silt with sand and gravel (0' - 3.5').
-					
-					
-			0 - 5		Gray clay with silt; moist; soft (3.5' - 4').
-			1000 - 1700		Gray clay; wet (4' - 7').
5	5 - 10	5			
-				FES B-4 (6')	
-					
-			50 - 150		Gray medium to coarse sand; wet (7' - 10').
-				FES B-4 (9')	
10	10 - 15	2	1000 - 4000		Gray fine sand and silt; wet (10' - 12').
-					
-				FES B-4 (12)	**Boring FES B-4 terminated at 12 feet.**
-				(MS/MSD)	
-					
15					
-					

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
FES B-5	11/18/2010	Kyle Swartzwelder
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Geoprobe™	Macro-Core
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	12.0

Notes: Soil sample FES B-5 (5 feet, 7 feet, & 11 feet (dup)) submitted for laboratory analysis of VOCs, TICs, & heptane.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0	0 - 5	1	0 - 12		Brown silt and fine sand wih brick and gravel (0' - 4').
-					
-					
-					
-			3000 - 9999		Gray to tan clay; soft; wet (4' - 6').
5	5 - 10	5		FES B-5 (5')	
-			150 - 450		Tan to gray coarse sand; wet (6' - 10.5').
-				FES B-5 (7')	
-					
-					
10	10 - 15	2	150 - 450		Gray fine sand and silt (10.5' - 12').
-				FES B-5 (11')	
-				(dup)	**Boring FES B-5 terminated at 12 feet.**
-					
-					
15					
-					

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
FES B-6	11/18/2010	Kyle Swartzwelder
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Geoprobe™	Macro-Core
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	12.0

Notes: Soil sample FES B-5 (4 feet, 7 feet, & 11 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0	0 - 5	5	0 - 50		Black to gray silt, fine sand, rock, and gravel (0' - 3').
-					
-					
-			2000 - 4000		Tan clay with silt with some gravel (3' - 4').
-			4000 - 9999	FES B-6 (4')	Medium to coarse sand; wet (4' - 10').
5	5 - 10	5			
-					
-				FES B-6 (7')	
-					
-					
10	10 - 15	2	500 - 1000		Gray to black coarse sand, wet.
-				FES B-6 (11')	
-					**Boring FES B-6 terminated at 12 feet.**
-					
-					
15					
-					

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
FES B11-1 through FES B11-5	2/4/2011	Kyle Swartzwelder
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Geoprobe™	Macro-Core
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	10.0

Notes: Composite soil samples FES B11-1 through 5 (5 - 10 feet) submitted for laboratory analysis of SVOCs & select metals.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0		0			
-					
-					No Recovery (see November 2010 boring logs)
-					
-					
5	5 - 10	5			
-					
-				FES B11-1	Mixed gray sand, silt, and clay with gravel; wet.
-				through	
-				FES B11-5	
10				(5 - 10)	
-					**Borings FES B11-1 through 5 terminated at 10 feet.**
-					
-					
-					
15					
-					

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
MW-25	5/11/2011	Kristin Allen
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Hollow Stem Auger	Split spoon
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
Yes	PVC / 2 inch	15.0

Notes: Soil sample MW-25 (13 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.
Did not collected soil samples until native soil was encountered.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0					
-					
-					
-					
-					
5					
-					
-					
-					
-					
10	10 - 12	0.8	0.4		Gray wet fill.
-					
-	12 - 14	1.4	3.0		Gray fine to medium sand; wet (12' - 12.5')
-				MW-25 (13')	Gray gravel; wet (12.5' - 13.4').
-					
15					
-					**Boring MW-25 terminated at 15 feet.**

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
MW-26	5/11/2011	Kristin Allen
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Hollow Stem Auger	Split spoon
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
Yes	PVC / 2 inch	15.0

Notes: Soil sample MW-26 (14 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.
Did not collected soil samples until native soil was encountered.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0					
-					
-					
-					
-					
5					
-					
-					
-					
-					
10					
-					
-					
-	13 - 15	1.3	55.5		Dark gray gravel and fine to medium sand; wet (13' - 13.6').
-			13.0	MW-26 (14')	Dark gray clay and gravel; wet; toluene odor (13.6' - 14.3').
15					
-					**Boring MW-26 terminated at 15 feet.**

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
MW-27	5/11/2011	Kristin Allen
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Hollow Stem Auger	Split spoon
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
Yes	PVC / 2 inch	15.0

Notes: Soil sample MW-27 (14 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.
Did not collected soil samples until native soil was encountered.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0					
-					
-					
-					
-					
5					
-					
-					
-					
-					
10					
-					
-					
-	13 - 15	0.6	9.3		Gray fine to medium sand with gravel; wet (13' - 13.3')
-			13.0	MW-27 (14')	Gray clay; slight toluene odor; wet (13.3' - 13.6').
15					
-					**Boring MW-27 terminated at 15 feet.**

Log of Soil Boring

Project Name:	**Project Number:**	**Location:**
Saint-Gobain, Watervliet	029.08	Watervliet, New York (Former Tank Farm Area)
Boring Number:	**Date Drilled:**	**Logged by:**
Post-Ex	5/11/2011	Kristin Allen
Drilling Company:	**Drilling Method:**	**Sampling Method:**
Aquifer Drilling & Testing, Inc.	Hollow Stem Auger	Split spoon
Well Installed:	**Casing Material / Diameter:**	**Total Depth (feet):**
No	None	9.0

Notes: Soil sample Post Ex 1 (6.5 -7 feet) and Post Ex 2 (8.5 -9 feet) submitted for laboratory analysis of VOCs, TICs, & heptane.
Did not collected soil samples until 5 feet.

Depth (feet)	Sample Interval (feet)	Recovery (feet)	PID (ppm)	Sample Interval	Soil Classification / Description color, texture, structure
0					
-					
-					
-					
-					
5	5 - 7	0.6	26.8		Dark brown silty sand with gravel and trace clay; dry (5' - 7').
-					
-	7 - 9	1	52	Post Ex 1	SAA; wet (7' - 7.2').
-				(6.5' - 7')	Brown fine to medium sand with little silt; slight odor.
-			56	Post Ex 2	
10				(8.5' - 9')	**Boring Post Ex terminated at 9 feet.**
-					
-					
-					
-					
15					
-					

APPENDIX B
CORRESPONDENCE REGARDING HAZARDOUS WASTE DETERMINATION

Forensic Environmental Services, Inc.
113 John Robert Thomas Drive
The Commons at Lincoln Center
Exton, Pennsylvania 19341

Telephone: (610) 594-3940 Telecopier: (610) 594-3943

December 28, 2010

Mr. Henry Wilkie
NYSDEC - Division of Solid & Hazardous Materials
625 Broadway
Albany, New York 12233-7252

RE: Request for "Contained In" Determination
Former Norton-Nashua Tape Products Site
2600 Seventh Avenue, Watervliet, NY
EPA ID No. NYD 066829599
NYSDEC Index Number: CO 4-20001205-3375

Dear Mr. Wilkie:

Forensic Environmental Services, Inc. (FES), on behalf of Saint-Gobain Corporation (Saint-Gobain), submits this request for a "Contained In" Determination regarding toluene-contaminated soils associated with the Former Norton-Nashua Tape Products Site in Watervliet, New York. The "Contained In" Determination is being requested to assist in the proposed soil remediation (soil excavation) activities as outlined in the Draft *Corrective Measures Study (CMS) Source Removal Workplan* submitted to the New York State Department of Environmental Conservation (NYSDEC) on November 3, 2010. Soil excavation activities are tentatively scheduled for First Quarter 2011 pending weather conditions.

Site Background

Norton Company (Norton) used toluene, which is the primary compound of concern (COC) at the Site, and tolusol (toluene and heptane) during operations at the facility from the 1930s until 1974. Following its purchase of the facility in 1974 (Norton leased Building 61 until 1990), Nashua Corporation continued to use heptane and/or tolusol until at least 1981, and toluene into the 1990s. Several toluene releases with estimated volumes in the hundreds of gallons were documented at the Nashua facility in the 1980s, and there may have been small releases of MIBK, xylene, toluene, and/or tolusol at Building 61 during the same time period.

However, a June 2000 US District Court decision determined that the majority of the toluene currently found at the Site resulted from leaks of toluene/tolusol from underground solvent transfer line leaks in the mid-1960s that were in the magnitude of tens of thousands to potentially hundreds of thousands of gallons. The Court's decision was based, in part, on: 1) reports of toluene vapors in nearby sewers in the late 1960s; 2) three failed solvent line pressure

tests in January 1969; and 3) the discovery of free-product toluene/tolusol in test pits excavated at the facility in summer 1969. Therefore, the historical evidence clearly indicates that toluene was released to soil and ground water at the Site before the effective date of the Resource Conservation and Recovery Act (RCRA) and associated Land Disposal Restriction (LDR) legislation.

Site Conditions and CMS Pilot Testing Activities

Soil and groundwater conditions across the site were characterized during the RCRA Facility Investigation (RFI) conducted from August 2003 to August 2006. A total of 144 soil samples collected via Geoprobe in association with the RFI were submitted for volatile organic compound (VOC) analysis, and 119 soil samples were submitted for semi- volatile organic compound (SVOC) analysis. The results of the RFI investigation were summarized in the *Final RFI Report/Preliminary CMS/Interim Groundwater Monitoring Plan (FES, December 2007)*. As discussed in detail in the RFIR, although some other VOCs and SVOCs exceed their corresponding soil clean-up objective and/or groundwater NYSDEC standard/guideline in spatially limited areas at the former Norton/Nashua Site, the primary on-site COC is toluene.

Subsequent to the completion of RFI activities, CMS pilot testing activities were conducted in the vicinity of the former tank farm area and solvent lines in the northern portion of the property and the northern portion of Building #61 and included: enhanced fluid recovery (EFR); chemical oxidation (chem-ox) pilot testing activities, and enhanced bioremediation (oxygen delivery). Results of the CMS remedial activities were summarized in the *CMS Workplan* (FES, December 2008). Additional CMS remedial activities including soil excavation (discussed below), and additional EFR and chem-ox activities are proposed for 2011.

Proposed Soil Excavation Activities

Based on the results of the RFI and CMS pilot testing and a preliminary designation of toluene-impacted soils as non-hazardous, source removal of the most impacted soils will be conducted as a presumptive remedy in the Former Tank Farm area. The proposed area for source removal activities, located between Building #61 and the northern property fence line (see Figure 1), is approximately 100 feet long, 50 feet wide, and 12 feet deep. The total estimated volume of the excavation is approximately 2,500 cubic yards. However, based on previous soil boring data, as well as pre-excavation sampling results (discussed below), a portion of the excavated material between the surface and a depth of six to eight feet may be reused as excavation backfill. The total estimated volume of soil that will required off-site disposal is presently estimated at approximately 1,000 to 1,250 cubic yards. Finally, although soil excavation is expected to extend slightly below the existing water table, extensive excavation dewatering is not anticipated.

Photoionization detector (PID) field screening readings exceeding 500 parts per million by volume (ppmv) will be considered evidence of residual soil impact. These soils will not be returned to the excavation, but will be live-loaded into trucks for transport to the approved disposal facility (or temporarily stockpiled pending loading and transport).

Soils with PID readings between below 500 ppmv will be temporarily stockpiled pending confirmatory laboratory results (or transport offsite for proper disposal). Sufficient soil stockpile samples will be collected to meet the recommended numbers presented in Table 5.4(e)10 of DER-10 (Technical Guidance for Site Investigation and Remediation, dated May 3, 2010), and submitted for rapid (one to two day) laboratory turnaround time analysis of VOCs via EPA Method 8260 plus heptane and tentatively identified compounds (TICs).

If the analytical data indicate that toluene is below the restricted commercial soil cleanup objective (SCO) of 500 milligrams per kilogram (mg/kg) per 6 NYCRR Part 375, these soils may be retained for use as backfill material (or transported offsite for proper disposal). Soils exceeding the restricted SCO will be transported offsite for proper disposal.

Pre-Excavation Soil Sampling Results

In accordance with our discussion in October 2010 regarding the "Contained-In" determination, pre-excavation soil sampling was conducted to allow the completion of a pre-excavation hazardous waste determination. A grid pattern was established over the proposed soil excavation area and a total of 19 soil samples were collected on November 18, 2010. Soil samples were collected at locations above the water table (4 to 7 feet), just above the water table (7 to 9 feet), and below the water table (11 to 12 feet). Quality Assurance/Quality Control (QA/QC) sampling included the collection of a blind duplicate sample from boring B-5, as well as field and trip blank samples.

Soil samples were submitted to Adirondack Environmental Services (AES) of Albany, New York and analyzed for VOCs including heptane via EPA Method 8260. Subsequent to the receipt of laboratory results, the laboratory analytical data package was submitted to DATAVAL, Inc. of Endwell, New York for third party data validation. All sampling results were considered to be "technically defensible, completely usable, and without qualifications in their present form". Soil sampling results are summarized in Table 1. A hard copy of the data validation report and an electronic copy of the laboratory analytical data package are included as attachments to this correspondence.

Toluene was detected in all 19 soil samples collected at concentrations ranging from 5.9 J micrograms per kilogram (µg/kg) to 7,900,000 µg/kg (see Table 1). Toluene concentrations exceeded the NYSDEC Restricted Use Soil Clean-Up Objective (500,000 µg/kg) in three soil samples (B-3, 8 feet; B-4, 9 feet; and B-6, 7 feet) at concentrations of 4,500,000 µg/kg, 7,900,000 µg/kg, and 2,900,000 µg/kg, respectively. Additional VOCs including acetone, cyclohexane, ethylbenzene, methylene chloride, xylenes, methylcyclohexane, and heptane were also detected in selected soil samples (see Table 1).

Basis for Request

As discussed previously, a "Contained In" Determination is being requested for toluene at the former Norton/Nashua Site to: 1) confirm that excavated soils may be disposed of as non-hazardous waste; and 2) select an appropriate off-site waste disposal facility for excavated soils.

Soil and groundwater at the Norton/Nashua Site is considered, by default, to be hazardous waste due to the presence of a "Contained In" listed waste (toluene). However, current toluene concentrations would not warrant the default characterization of all site soils and groundwater exhibiting toluene impact as hazardous waste. Further, as previously cited here and in the pertinent US District Court Decision, the historical evidence clearly indicates that toluene was released to soil and ground water at the Site before the effective date of RCRA and associated LDR legislation. Therefore, Saint-Gobain has requested this determination.

If you require any additional information or have any questions, please call me at (610) 594-3940. Thank you for your help with this matter.

Sincerely,

FORENSIC ENVIRONMENTAL SERVICES, INC.

Robert W. Zei, Ph.D., CPG
Sr. Project Manager

cc: Lauren Alterman, Esq., Saint-Gobain
Jim Smith, Saint-Gobain Abrasives
Alicia Barraza, NYSDEC
Larry Rosenmann, NYSDEC

Table

Summary of Pre-Excavation Soil Analytical Data - Volatiles

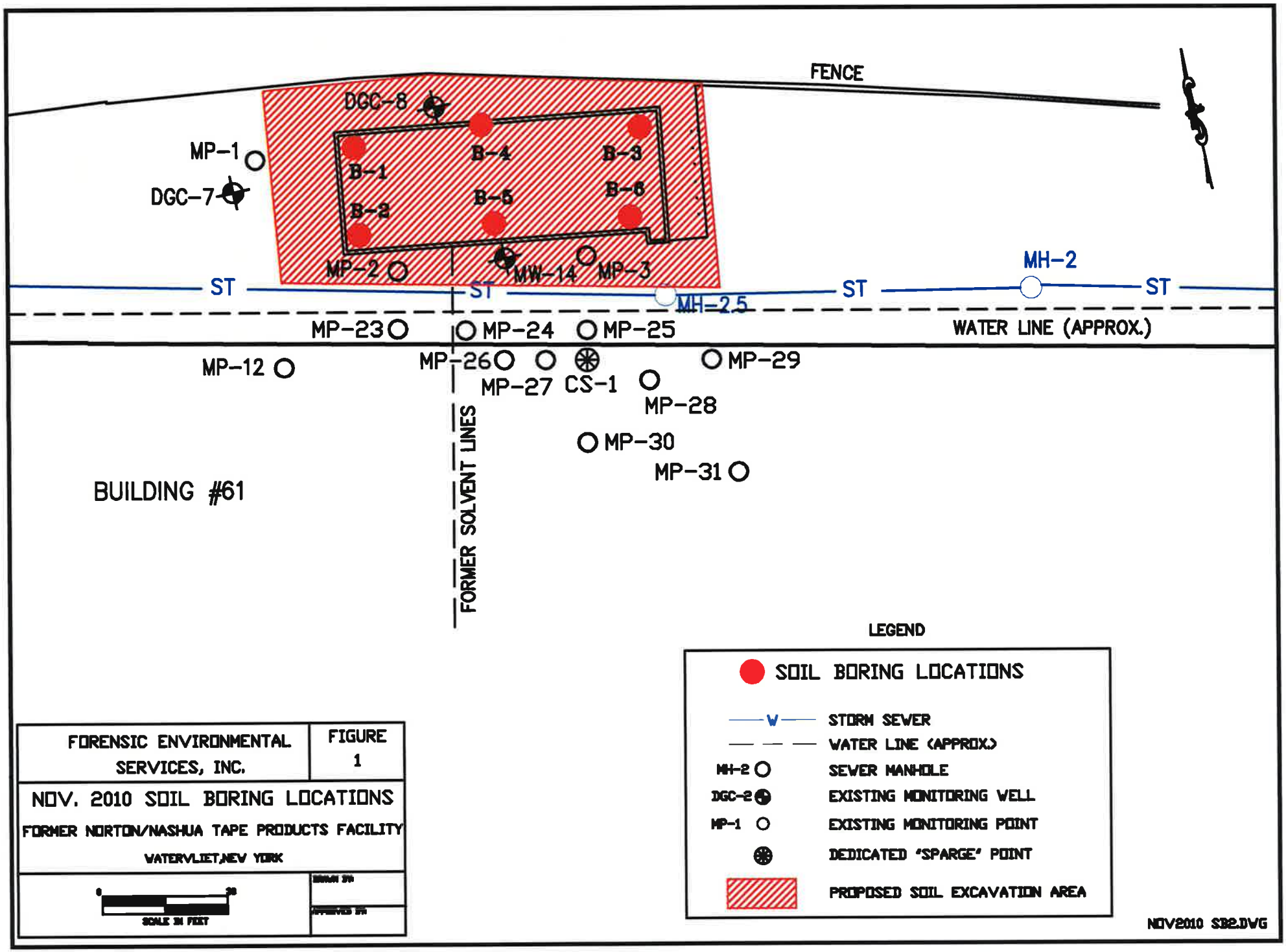
Former Norton/Nashua Facility

Watervliet, NY

Sample Designation	Sampling Date	Sample Depth (feet)	Acetone (µg/kg)	Benzene (µg/kg)	Cyclo-hexane (µg/kg)	Ethyl-benzene (µg/kg)	Methylene Chloride (µg/kg)	m,p-Xylenes (µg/kg)	Methyl Cyclohexane (µg/kg)	Toluene (µg/kg)	Heptane (µg/kg)	VOC TICs (µg/kg)
B-1	11/18/2010	7.0	**15**	<6.6	<6.6	<6.6	**3.8 JB**	<6.6	<6.6	**5.9 J**	<13	ND
B-2	11/18/2010	6.0	<130	<64	**50 J**	<64	**55 JB**	<64	**1,700**	**58 J**	<130	**2,079**
B-3	11/18/2010	4.0	**68**	<31	<31	<31	<31	<31	**220**	**210**	<62	**386**
B-4	11/18/2010	6.0	**40**	<6.7	<6.7	**9.6**	**8.0 B**	**5.1 J**	**61**	**28**	**6.2 J**	**153**
B-5	11/18/2010	5.0	<5300	<2600	<2600	<2600	<2600	<2600	**9,100**	**73,000**	**15,000**	**12,200**
B-6	11/18/2010	4.0	<12000	<6100	<6100	<6100	<6100	**3,900 J**	**12,000**	**160,000**	**34,000**	**32,000**
B-1	11/18/2010	9.0	<5300	<2600	<2600	<2600	<2600	<2600	**17,000**	**88,000**	**39,000**	**41,300**
B-2	11/18/2010	8.0	**59**	<12	<12	**16**	**12 JB**	**30**	**94**	**180**	**74**	**124**
B-3	11/18/2010	8.0	<460000	<230000	<230000	<230000	<230000	<230000	**220,000 J**	**4,500,000**	**460,000 J**	ND
B-4	11/18/2010	9.0	<480000	<240000	<240000	<240000	<240000	<240000	<240000	**7,900,000**	<480000	ND
B-5	11/18/2010	7.0	<5900	<3000	<3000	<3000	<3000	<3000	**96,000**	**16,000**	**69,000**	**85,400**
B-6	11/18/2010	7.0	<240000	<120000	<120000	<120000	<120000	<120000	**150,000**	**2,900,000**	**320,000**	**300,000**
B-1	11/18/2010	11.0	<23000	<11000	<11000	<11000	<11000	<11000	**24,000**	**340,000**	**58,000**	**45,000**
B-2	11/18/2010	11.0	<100	<56	<56	<56	<56	<56	**74**	**1,100**	**71 J**	ND
B-3	11/18/2010	11.0	<2500	<1200	<1200	<1200	**1,400 B**	<1200	<1200	**23,000**	<2500	ND
B-4	11/18/2010	12.0	**24**	<6.0	<6.0	<6.0	**5.3 JB**	<6.0	<6.0	**190**	<12	**ND**
B-5	11/18/2010	11.0	<100	<56	<56	<56	<56	<56	<56	**960**	<110	ND
B-6	11/18/2010	11.0	<1100	<570	<570	<570	<570	<570	<570	**19,000**	**430 J**	**850**
B-7	11/18/2010	11.0	15	**<5.7**	**<5.7**	<5.7	**5.5 JB**	<5.7	<5.7	**34**	<11	ND
FB*	11/18/2010	-	<10	<5.0	<5.0	<5.0	**6.0 B**	<5.0	<5.0	<5.0	<10	ND
TB*	11/18/2010	-	<10	<5.0	<5.0	<5.0	**2.8 JB**	<5.0	<5.0	<5.0	<5.0	ND
			500,000	**44,000**	**500,000**	**390,000**	**500,000**	**500,000**	**500,000**	**500,000**	**500,000**	-
			NYSDEC Restricted Use Soil Clean-Up Objective (commercial) per 6 NYCRR Part 375								exceedance =	

* aqueous samples

µg/kg = micrograms per kilogram; TICs = tentatively identified compounds; ND = not detected; < ("less than") = analyte concentration below the laboratory detection limit.
B = compound detected in the laboratroy method blank, J = estimated concentration; compound detected below the quantitation limit; FB = field blank;
TB = trip blank; B-7(11) is a blind replicate sample of B-6(11).
Volatiles analyzed via EPA Method 8260. Only detected/selected analytes are listed above; detections in boldface. For a complete list of analytes see the laboratory reports.


FENCE
DGC-8
MP-1
DGC-7
B-1
B-2
B-4
B-5
B-3
B-6
MP-2
MW-14
MP-3
ST
ST
ST
ST
MH-2
MH-2.5
MP-23
MP-24
MP-25
WATER LINE (APPROX.)
MP-12
MP-26
MP-27
CS-1
MP-29
MP-28
MP-30
MP-31
BUILDING #61
FORMER SOLVENT LINES
LEGEND
SOIL BORING LOCATIONS
STORM SEWER
WATER LINE (APPROX.)
SEWER MANHOLE
EXISTING MONITORING WELL
EXISTING MONITORING POINT
DEDICATED "SPARGE" POINT
PROPOSED SOIL EXCAVATION AREA
FORENSIC ENVIRONMENTAL SERVICES, INC.
FIGURE 1
NOV. 2010 SOIL BORING LOCATIONS
FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY
WATERVLIET, NEW YORK
SCALE IN FEET
NOV2010 SB2.DWG

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, NY 12233-7015
Phone: (518) 402-9625 • **FAX:** (518) 402-9627
Website: **www.dec.ny.gov**

Joe Martens
Acting Commissioner

February 8, 2011

Robert W. Zei
Sr. Project Manager
Forensic Environmental Services, Inc.
113 John Robert Thomas Drive
Exton, PA 19341

RE: Request for "Contained In" Determination
Former Norton-Nashua Tape Products Site
2600 Seventh Avenue, Watervliet, NY
EPA ID No. NYD 066829599
NYSDEC Index Number: CO 4-20001205-3375

Dear Mr. Zei:

The New York State Department of Environmental Conservation (Department) has reviewed the proposed "Contained-In" Request received on December 30, 2010. Soil contaminated by past releases (listed hazardous waste) at the referenced project site. Concentrations detected for individual VOCs were all significantly less than their current "contained in" soil action levels and Land Disposal Restriction concentrations.

Concentration for toluene detected in soil samples (B-1, B-2, B-3, B-4, B-5, B6 and B-7) were below the soil "contained-in" action levels and the Land Disposal Restriction concentrations. Therefore, the proposed excavated soils; approximately100 feet long, 50 feet wide and 12 feet deep; located between Building #61 and the northern property fence line do not have to be managed as hazardous waste and can be transported off site to a permitted solid waste landfill with a liner and leachate collection system. Please provide the Department the name and address of the facility that will receive it.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9625 or email me at hjwilkie@gw.dec.state.ny.us.

Sincerely,

Henry Wilkie
Environmental Engineer 1
Remedial Section B

ecc: A. Barraza

Subject: Contained-IN Determination approval from the Former Norton-Nashua Tape Production Site
From: "Henry Wilkie" <hjwilkie@gw.dec.state.ny.us>
Date: Tue, 22 Feb 2011 10:32:30 -0500
To: "Peter Hansen" <phansen@esmiofny.com>
CC: "RWZ-FES" <forensic@chesco.com>

Good Morning Pete,

This e-mail will be the addendum. This office has reviewed the information that you have provided in your e-mail dated February 17, 2011. Based on the our previous "Contained-In" determination dated February 8, 2011(see attachment), the excavated soil met the Department's "Contained-in" criteria and met all Land Disposal Restrictions (LDRs) requirements. Therefore, soils from the Former Norton-Nashua Tape Production Site do not have to be managed as hazardous waste when transported to ESMI's Fort Edward Facility for thermal treatment.

If you have any questions regarding this email, please feel free to call me at (518)402-9627 or e-mail.

Have a good day!

Henry Wilkie
Enviromental Engineer 1
NYSDEC
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, New York 12233-7015
Phone (518) 402-9622
Fax (518) 402-9627
hjwilkie@gw.dec.state.ny.us
www.dec.ny.gov
>>> "Peter Hansen" <phansen@esmiofny.com> 2/17/2011 9:45 AM >>>
Hi Henry,
The attached contained-in letter mentions going to landfills. The customer is actually hoping to send that soil to our thermal treatment facility. Can I use this same letter as approval for us to receive it or can you write a quick addendum to that letter including the ESMI of New York facility. It's been a long time since we've spoken, I hope you are well. Thanks for all your help.

Pete

Peter Hansen - Compliance Manager
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

www.esmicompanies.com

518-747-5500
518-747-1181 Fax

NYSDEC_Contained-In_Letter_2-8-2011[1]_2.pdf

APPENDIX C
THIRD-PARTY LABPORATORY REPORT

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 15, 2011

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/11	10:30
Location Code:	ESMI-NY	Received by:	LB	02/05/11	10:00
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA00629
Phoenix ID: BA00629

Project ID: NORTON-WATERVLIET, NY
Client ID: FES1311-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Antimony	< 4.3	4.3	mg/Kg	02/08/11		EK	6010/200.7
Arsenic	3.5	0.9	mg/Kg	02/08/11		EK	6010/200.7
Barium	145	0.43	mg/Kg	02/08/11		EK	6010/200.7
Beryllium	0.70	0.35	mg/Kg	02/08/11		EK	6010/200.7
Cadmium	< 0.43	0.43	mg/Kg	02/08/11		EK	6010/200.7
Chromium	17.7	0.43	mg/Kg	02/08/11		EK	6010/200.7
Lead	22.1	0.43	mg/Kg	02/08/11		EK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	02/08/11		RS	SW-7471
Nickel	17.3	0.43	mg/Kg	02/09/11		EK	6010/200.7
Selenium	< 0.9	0.9	mg/Kg	02/08/11		EK	6010/200.7
Silver	< 0.43	0.43	mg/Kg	02/08/11		EK	6010/200.7
Thallium	< 3.9	3.9	mg/Kg	02/08/11		EK	6010/200.7
Vanadium	23.3	0.43	mg/Kg	02/08/11		EK	6010/200.7
Zinc	60.1	0.43	mg/Kg	02/08/11		EK	6010/200.7
Percent Solid	79		%	02/07/11		JL	E160.3
Mercury Digestion	Completed			02/08/11		X	SW7471
Total Metals Digest	Completed			02/07/11		F/AG	SW846 - 3050

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
February 15, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 15, 2011

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/11	10:45
Location Code:	ESMI-NY	Received by:	LB	02/05/11	10:00
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA00629
Phoenix ID: BA00630

Project ID: NORTON-WATERVLIET, NY

Client ID: FES1311-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Antimony	< 4.1	4.1	mg/Kg	02/08/11		EK	6010/200.7
Arsenic	5.2	0.8	mg/Kg	02/08/11		EK	6010/200.7
Barium	98.6	0.41	mg/Kg	02/08/11		EK	6010/200.7
Beryllium	0.60	0.33	mg/Kg	02/08/11		EK	6010/200.7
Cadmium	< 0.41	0.41	mg/Kg	02/08/11		EK	6010/200.7
Chromium	20.6	0.41	mg/Kg	02/08/11		EK	6010/200.7
Lead	7.99	0.41	mg/Kg	02/08/11		EK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	02/08/11		RS	SW-7471
Nickel	26.6	0.41	mg/Kg	02/09/11		EK	6010/200.7
Selenium	< 0.8	0.8	mg/Kg	02/09/11		EK	6010/200.7
Silver	< 0.41	0.41	mg/Kg	02/08/11		EK	6010/200.7
Thallium	< 3.7	3.7	mg/Kg	02/08/11		EK	6010/200.7
Vanadium	21.4	0.41	mg/Kg	02/08/11		EK	6010/200.7
Zinc	91.0	0.41	mg/Kg	02/08/11		EK	6010/200.7
Percent Solid	82		%	02/07/11		JL	E160.3
Soil Extraction for SVOA	Completed			02/07/11		BS/F	SW3545
Mercury Digestion	Completed			02/08/11		X	SW7471
Total Metals Digest	Completed			02/07/11		F/AG	SW846 - 3050
Semivolatiles							
1,2,4-Trichlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
1,2-Dichlorobenzene	ND	170 (J)	ug/Kg	02/08/11		HM	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	02/08/11		HM	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4-Dinitrophenol	ND	960	ug/Kg	02/08/11		HM	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Chlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Methylphenol (o-cresol)	570	330	ug/Kg	02/08/11		HM	SW 8270
2-Nitroaniline	ND	960	ug/Kg	02/08/11		HM	SW 8270
2-Nitrophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	580	330	ug/Kg	02/08/11		HM	SW 8270
3,3'-Dichlorobenzidine	ND	400	ug/Kg	02/08/11		HM	SW 8270
3-Nitroaniline	ND	960	ug/Kg	02/08/11		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	960	ug/Kg	02/08/11		HM	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
4-Chloro-3-methylphenol	ND	400	ug/Kg	02/08/11		HM	SW 8270
4-Chloroaniline	ND	400	ug/Kg	02/08/11		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
4-Nitroaniline	ND	960	ug/Kg	02/08/11		HM	SW 8270
4-Nitrophenol	ND	960	ug/Kg	02/08/11		HM	SW 8270
Acenaphthene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Acenaphthylene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Anthracene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Azobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzidine	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/08/11		HM	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzoic acid	ND	960	ug/Kg	02/08/11		HM	SW 8270
Benzyl alcohol	ND	400	ug/Kg	02/08/11		HM	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Chrysene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Dibenzofuran	ND	330	ug/Kg	02/08/11		HM	SW 8270
Diethyl phthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Dimethylphthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Di-n-octylphthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Fluoranthene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Fluorene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachloroethane	ND	330	ug/Kg	02/08/11		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	02/08/11		HM	SW 8270

Project ID: NORTON-WATERVLIET, NY
Client ID: FES1311-2

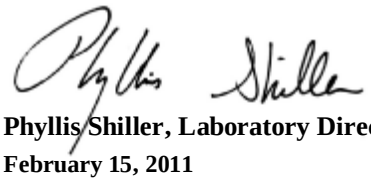
Phoenix I.D.: BA00630

Parameter	Result	RL	Units	Date	Time	By	Reference
Isophorone	ND	330	ug/Kg	02/08/11		HM	SW 8270
Naphthalene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Nitrobenzene	ND	190 (J)	ug/Kg	02/08/11		HM	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	02/08/11		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	02/08/11		HM	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	02/08/11		HM	SW 8270
Pentachlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
Phenanthrene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Phenol	ND	160 (J)	ug/Kg	02/08/11		HM	SW 8270
Pyrene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Pyridine	ND	330	ug/Kg	02/08/11		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	96		%	02/08/11		HM	SW 8270
% 2-Fluorobiphenyl	72		%	02/08/11		HM	SW 8270
% 2-Fluorophenol	71		%	02/08/11		HM	SW 8270
% Nitrobenzene-d5	69		%	02/08/11		HM	SW 8270
% Phenol-d5	75		%	02/08/11		HM	SW 8270
% Terphenyl-d14	75		%	02/08/11		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director
February 15, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 15, 2011

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/11	11:00
Location Code:	ESMI-NY	Received by:	LB	02/05/11	10:00
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA00629
Phoenix ID: BA00631

Project ID: NORTON-WATERVLIET, NY

Client ID: FES1311-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Antimony	< 3.5	3.5	mg/Kg	02/08/11		EK	6010/200.7
Arsenic	6.3	0.7	mg/Kg	02/08/11		EK	6010/200.7
Barium	121	0.35	mg/Kg	02/08/11		EK	6010/200.7
Beryllium	0.61	0.28	mg/Kg	02/08/11		EK	6010/200.7
Cadmium	< 0.35	0.35	mg/Kg	02/08/11		EK	6010/200.7
Chromium	19.4	0.35	mg/Kg	02/08/11		EK	6010/200.7
Lead	11.6	0.35	mg/Kg	02/08/11		EK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	02/08/11		RS	SW-7471
Nickel	26.5	0.35	mg/Kg	02/09/11		EK	6010/200.7
Selenium	< 0.7	0.7	mg/Kg	02/09/11		EK	6010/200.7
Silver	< 0.35	0.35	mg/Kg	02/08/11		EK	6010/200.7
Thallium	< 3.2	3.2	mg/Kg	02/08/11		EK	6010/200.7
Vanadium	22.1	0.35	mg/Kg	02/08/11		EK	6010/200.7
Zinc	89.2	0.35	mg/Kg	02/08/11		EK	6010/200.7
Percent Solid	83		%	02/07/11		JL	E160.3
Mercury Digestion	Completed			02/08/11		X	SW7471
Total Metals Digest	Completed			02/07/11		F/AG	SW846 - 3050

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
February 15, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 15, 2011

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/11	11:15
Location Code:	ESMI-NY	Received by:	LB	02/05/11	10:00
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA00629
Phoenix ID: BA00632

Project ID: NORTON-WATERVLIET, NY
Client ID: FES1311-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Antimony	< 4.3	4.3	mg/Kg	02/08/11		EK	6010/200.7
Arsenic	9.4	0.9	mg/Kg	02/08/11		EK	6010/200.7
Barium	95.6	0.43	mg/Kg	02/08/11		EK	6010/200.7
Beryllium	0.87	0.34	mg/Kg	02/08/11		EK	6010/200.7
Cadmium	< 0.43	0.43	mg/Kg	02/08/11		EK	6010/200.7
Chromium	24.3	0.43	mg/Kg	02/08/11		EK	6010/200.7
Lead	12.4	0.43	mg/Kg	02/08/11		EK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	02/08/11		RS	SW-7471
Nickel	25.5	0.43	mg/Kg	02/09/11		EK	6010/200.7
Selenium	< 0.9	0.9	mg/Kg	02/09/11		EK	6010/200.7
Silver	< 0.43	0.43	mg/Kg	02/08/11		EK	6010/200.7
Thallium	< 3.8	3.8	mg/Kg	02/08/11		EK	6010/200.7
Vanadium	32.6	0.43	mg/Kg	02/08/11		EK	6010/200.7
Zinc	73.5	0.43	mg/Kg	02/08/11		EK	6010/200.7
Percent Solid	79		%	02/07/11		JL	E160.3
Soil Extraction for SVOA	Completed			02/07/11		BS/F	SW3545
Mercury Digestion	Completed			02/08/11		X	SW7471
Total Metals Digest	Completed			02/07/11		F/AG	SW846 - 3050
Semivolatiles							
1,2,4-Trichlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
1,2-Dichlorobenzene	ND	170 (J)	ug/Kg	02/08/11		HM	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	02/08/11		HM	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4-Dinitrophenol	ND	950	ug/Kg	02/08/11		HM	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Chlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	02/08/11		HM	SW 8270
2-Nitroaniline	ND	950	ug/Kg	02/08/11		HM	SW 8270
2-Nitrophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	02/08/11		HM	SW 8270
3,3'-Dichlorobenzidine	ND	390	ug/Kg	02/08/11		HM	SW 8270
3-Nitroaniline	ND	950	ug/Kg	02/08/11		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	950	ug/Kg	02/08/11		HM	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
4-Chloro-3-methylphenol	ND	390	ug/Kg	02/08/11		HM	SW 8270
4-Chloroaniline	ND	390	ug/Kg	02/08/11		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
4-Nitroaniline	ND	950	ug/Kg	02/08/11		HM	SW 8270
4-Nitrophenol	ND	950	ug/Kg	02/08/11		HM	SW 8270
Acenaphthene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Acenaphthylene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Anthracene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Azobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzidine	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	02/08/11		HM	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Benzoic acid	ND	950	ug/Kg	02/08/11		HM	SW 8270
Benzyl alcohol	ND	390	ug/Kg	02/08/11		HM	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	02/08/11		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Chrysene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Dibenzofuran	ND	330	ug/Kg	02/08/11		HM	SW 8270
Diethyl phthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Dimethylphthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Di-n-octylphthalate	ND	330	ug/Kg	02/08/11		HM	SW 8270
Fluoranthene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Fluorene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Hexachloroethane	ND	330	ug/Kg	02/08/11		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	02/08/11		HM	SW 8270

Project ID: NORTON-WATERVLIET, NY
Client ID: FES1311-4

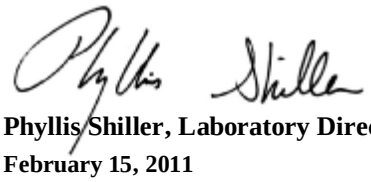
Phoenix I.D.: BA00632

Parameter	Result	RL	Units	Date	Time	By	Reference
Isophorone	ND	330	ug/Kg	02/08/11		HM	SW 8270
Naphthalene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Nitrobenzene	ND	190 (J)	ug/Kg	02/08/11		HM	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	02/08/11		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	02/08/11		HM	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	02/08/11		HM	SW 8270
Pentachlorophenol	ND	330	ug/Kg	02/08/11		HM	SW 8270
Phenanthrene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Phenol	ND	160 (J)	ug/Kg	02/08/11		HM	SW 8270
Pyrene	ND	330	ug/Kg	02/08/11		HM	SW 8270
Pyridine	ND	330	ug/Kg	02/08/11		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	02/08/11		HM	SW 8270
% 2-Fluorobiphenyl	57		%	02/08/11		HM	SW 8270
% 2-Fluorophenol	70		%	02/08/11		HM	SW 8270
% Nitrobenzene-d5	65		%	02/08/11		HM	SW 8270
% Phenol-d5	73		%	02/08/11		HM	SW 8270
% Terphenyl-d14	69		%	02/08/11		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director
February 15, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 15, 2011

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/11	11:30
Location Code:	ESMI-NY	Received by:	LB	02/05/11	10:00
Rush Request:	RUSH##	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA00629
Phoenix ID: BA00633

Project ID: NORTON-WATERVLIET, NY
Client ID: FES1311-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Antimony	< 3.9	3.9	mg/Kg	02/08/11		EK	6010/200.7
Arsenic	10.0	0.8	mg/Kg	02/08/11		EK	6010/200.7
Barium	111	0.39	mg/Kg	02/08/11		EK	6010/200.7
Beryllium	1.03	0.31	mg/Kg	02/08/11		EK	6010/200.7
Cadmium	< 0.39	0.39	mg/Kg	02/08/11		EK	6010/200.7
Chromium	23.5	0.39	mg/Kg	02/08/11		EK	6010/200.7
Lead	14.2	0.39	mg/Kg	02/08/11		EK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	02/08/11		RS	SW-7471
Nickel	32.3	0.39	mg/Kg	02/09/11		EK	6010/200.7
Selenium	< 0.8	0.8	mg/Kg	02/09/11		EK	6010/200.7
Silver	< 0.39	0.39	mg/Kg	02/08/11		EK	6010/200.7
Thallium	< 3.5	3.5	mg/Kg	02/08/11		EK	6010/200.7
Vanadium	26.4	0.39	mg/Kg	02/08/11		EK	6010/200.7
Zinc	94.3	0.39	mg/Kg	02/08/11		EK	6010/200.7
Percent Solid	84		%	02/07/11		JL	E160.3
Mercury Digestion	Completed			02/08/11		X	SW7471
Total Metals Digest	Completed			02/07/11		F/AG	SW846 - 3050

Project ID: NORTON-WATERVLIET, NY
Client ID: FES1311-5

Phoenix I.D.: BA00633

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
February 15, 2011

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4° Pg of

Data Delivery:
☐ Fax #:
☐ Email:

Customer: ESMI of NY
Address: 304 Towpath Road
Fort Edward NY 12828

Project: NORTON - WATERVLIET, NY
Report to: Pete Hansen
Invoice to: Todd Calder

Project P.O:
Phone #:
Fax #:

Sampler's Signature: [signature] Date: 2/4/11

Client Sample - Information - Identification

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	RCRA 8 metals plus Antimony, Beryllium, Nickel, Thallium, Vanadium, Zinc	SVOCs 8270	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (10) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
00629	FES13 11-1	Soil	2/4/11	1030	X			2								
00630	FES 1311-2	↓	2/4/11	1045	X	X		2								
00631	FES 1311-3		2/4/11	1100	X			2								
00632	FES 1311-4		2/4/11	1115	X	X		2								
00633	FES 1311-5		2/4/11	1130	X			2								

Relinquished by:	Accepted by:	Date:	Time:
Charles Story	[signature]	2/4/11	1:30
[signature]	Rob Reyda	2-5-11	10:00

Comments, Special Requirements or Regulations:
Run TCLP metals if total result exceeds 20 x's Rule

Turnaround:
☐ 1 Day*
☐ 2 Days*
☒ 3 Days*
☐ Standard
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TAGM 4046 GW
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: New York

APPENDIX D
WASTE MANIFESTS

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
ATTN: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: **UIS A 0303774**

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape Products
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1
C. S.T.I. (Trans. Lic. Plate #): 518-747-2665
D. Tran. Phone (203-238-6745)

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. S.T.I. (Trans. Lic. Plate #): AT26426
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: N.Y.D.0.0.6.1.2.3.6.8
G. State Facility's ID (Not Required): 518-747-5500
H. Facility's Phone 866-6574160

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	3.54	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Non-Hazardous Petroleum Solvent Contaminated Soil ESMI Job#8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature | Month/Day/Year: 3/1/11

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ed Burns | Signature | Month/Day/Year: 3/1/11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month/Day/Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Kim Matteson | Signature | Month/Day/Year: 3/1/11

GENERATOR / TRANSPORTER / FACILITY

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 — Manifest Document No.: . . . . .

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7221

A. Nonhazardous Waste Manifest Document Number: UIS A 0303775

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape Products
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

C. S.T.I. (Trans. Lic. Plate #) 718 747-2065

7. Transporter 2 Company Name:

8. US EPA ID Number:

D. Tran. Phone ( ) ~~203 238-6745~~

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: NA ~~N.Y.R.0.0.0.1.2.2.6.9~~

E. S.T.I. (Trans. Lic. Plate #) AU50711

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone ~~860-6574100~~ 518747 5500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001.	DT	33.3	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. Non-Hazardous Petroleum Solvent Contaminated Soil ESMI JOB # 8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P03011009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder — Signature: [signature] — Month 3 Day 1 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dave Bleimiller — Signature: Dave Bleimiller — Month 3 Day 1 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jim Matteson — Signature: [signature] — Month 3 Day 1 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N Y D 0 6 6 8 2 9 5 9 9
Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 AHR: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303825

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N Y R 0 0 0 1 5 8 6 9 1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #) AU 50710
D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0 0 1	D T	35	T	EPA NONE / STATE NONE
b.			30.10		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a. c. b. d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder for S.G. | Signature | Month 3 | Day 1 | Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Daniel J Charlton | Signature | Month 3 | Day 1 | Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible] | Signature | Month 3 | Day 1 | Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N·Y·D·0·6·6·8·2·9·5·9·9
Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303826

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #) AT 26426
D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0.0.1	D.T	.35	T	EPA NONE / STATE NONE
b.			3580		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #6936
a. c. b. d.

K. Handling Codes for Wastes Listed Above

a. Interim	Final	c. Interim	Final
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-5745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Ed Burns		03	01	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BRIAN MACHALA	ON Behalf of SAINT GOBAIN	03	01	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		.	.	.

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Thomas Hesor		3	1	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 — Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:

8. US EPA ID Number:

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

A. Nonhazardous Waste Manifest Document Number: UIS A 0303834

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

C. S.T.I. (Trans. Lic. Plate #):

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #) AU 50711

F. Tran. Phone ( )

G. State Facility's ID (Not Required):

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None, None,, None	0.0.1	D.T	35	T	EPA NONE / STATE NONE
b.			34.41		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-5745 a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder — Signature — Month 03 Day 01 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dave — Signature: Dave — Month 03 Day 01 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Kyle Mattson — Signature — Month 03 Day 01 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N·Y·D·0·6·6·8·2·9·5·9·9
Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 AHV! Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303833

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #): AV 50710

9. Designated Facility Name and Site Address
E3MI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0.0.1	D.T	35	T	EPA NONE / STATE NONE
b.			36.54		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
E3MI Job #8936
a. c. b. d.

K. Handling Codes for Wastes Listed Above

a. Interim	a. Final	c. Interim	c. Final
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		3	1	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DANIEL J CHAPMAN	(12)	3	1	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		3	31	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. N·Y·D·0·5·6·8·2·9·5·9·9 — Manifest Document No. · · · · ·

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 AHN: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303832

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name

8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)

D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
E3MI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

E. S.T.I. (Trans. Lic. Plate #) AT 2642

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0.0.1	D.T	.35	T	EPA NONE / STATE NONE
b.			36.26		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
E3MI Job #8936
a. c. b. d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		03	02	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
E & Burns		03	02	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		.	.	.

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		3	2	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print).

1. Generator's US EPA ID No.: N Y D 0 6 6 8 2 9 5 9 9 — Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
ATN: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303831

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N Y R 0 0 0 1 5 8 6 9 1

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #): AV 35627

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0 0 1	D T	35	T	EPA NONE / STATE NONE
b.			38.90		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder — Signature — Month 03 Day 02 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Justin Davidson — Signature — Month 03 Day 02 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month 3 Day 2 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9
Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 AHW: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303830

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #): AU50711
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0.0.1	D.T	3.5 T		EPA NONE / STATE NONE
b.			33.52		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI Job #6936

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P03011009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		03	02	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
K. Chambers RGT 12		03	02	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		03	2	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N Y D 0 6 6 8 2 9 5 9 9 — Manifest Document No.: — 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
ATN: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303829

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport — 6. US EPA ID Number: N Y R 0 0 0 1 5 8 6 9 1

7. Transporter 2 Company Name — 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #): AT26426

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: N o t R e q u i r e d

G. State Facility's ID (Not Required)

H. Facility's Phone: 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0 0 1	D T	35 T		EPA NONE / STATE NONE
b.			3553		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a. — c.
b. — d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder — Signature — Month 03 Day 02 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ed — Signature — Month 03 Day 02 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month 3 Day 2 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. N.Y.D.0.6.5.8.2.9.5.9.9 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303827

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

C. S.T.I. (Trans. Lic. Plate #)

7. Transporter 2 Company Name

8. US EPA ID Number

D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

E. S.T.I. (Trans. Lic. Plate #) AV5071

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0.0.1	B.T	.35 T		EPA NONE / STATE NONE
b.			32.18		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8436
a.
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		03	02	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
K. Hamberg RGT 12		03	02	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
			02	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
AHV: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303828

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport | 6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name | 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #) AV 35629

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0.0.1	D.T	.35	T	EPA NONE / STATE NONE
b.			36.36		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a. | c.
b. | d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-5745 a) B03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature | Month 03 Day 02 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Justin L Davidson | Signature | Month 03 Day 02 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month 3 Day 2 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303855

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #): AT 26426

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: Not Required

F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			3730		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder | Signature | Month 3 | Day 2 | Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ed Burns | Signature | Month 3 | Day 2 | Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month 3 | Day 2 | Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

Field	Entry
1. Generator's US EPA ID No.	N Y D 0 6 6 8 2 9 5 9 9
Manifest Document No.	
2. Page 1 of 1	1 of 1
A. Nonhazardous Waste Manifest Document Number	UIS A 0303836
3. Generator's Name and Mailing Address	Saint-Gobain Corporation 750 East Swedesford Road Valley Forge, PA 19482
4. Generator's Phone	(610) 341-7321 ATTN: Jim Smith
B. G.S.I. (Gen. Site Address)	Former Norton/Nashua Tape 2600 Seventh Ave Watervliet, NY 12189
5. Transporter 1 Company Name	R. Galusha Transport
6. US EPA ID Number	N Y R 0 0 0 1 5 8 6 9 1
7. Transporter 2 Company Name	
8. US EPA ID Number	
C. S.T.I. (Trans. Lic. Plate #)	
D. Tran. Phone	(518) 747-2065
E. S.T.I. (Trans. Lic. Plate #)	AV 35629
F. Tran. Phone	( )
9. Designated Facility Name and Site Address	ESMI of New York 304 Towpath Road Fort Edward, NY 12828
10. US EPA ID Number	Not Required
G. State Facility's ID (Not Required)	
H. Facility's Phone	518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None, None, , None	0 0 1	D T	35 (35.50)	T	EPA NONE STATE NONE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
ESMI JOB #8935

a.	c.
b.	d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY CN#([illegible]) [illegible]
a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder	[signature]	3	2	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Justin Davidson	[signature]	3	2	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[signature]	[signature]	3	2	11

GENERATOR — TRANSPORTER — FACILITY

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No. N.Y.D.0.6.6.8.2.9.5.9.9 / Manifest Document No. / 2. Page 1 of 1
3. Generator's Name and Mailing Address: Saint-Gobain Corporation, 750 East Swedesford Road, Valley Forge, PA 19482	A. Nonhazardous Waste Manifest Document Number: UIS A 0303854
4. Generator's Phone (610) 341-7321 Attn: Jim Smith	B. G.S.I. (Gen. Site Address): Former Norton/Nashua Tape, 2600 Seventh Ave, Watervliet, NY 12189
5. Transporter 1 Company Name: R. Galusha Transport / 6. US EPA ID Number: NYR000158691	
7. Transporter 2 Company Name / 8. US EPA ID Number	C. S.T.I. (Trans. Lic. Plate #) / D. Tran. Phone (518) 747-2065
9. Designated Facility Name and Site Address: ESMI of New York, 304 Towpath Road, Fort Edward, NY 12828 / 10. US EPA ID Number: Not Required	E. S.T.I. (Trans. Lic. Plate #) AU50711 / F. Tran. Phone ( ) / G. State Facility's ID (Not Required) / H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	~35 33.24	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI JOB #6956

a. | b. | c. | d.

K. Handling Codes for Wastes Listed Above: Interim / Final / Interim / Final — a. b. c. d.

15. Special Handling Instructions and Additional Information: EMERGENCY PH#(208)283-8710 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder	[signature]	3	2	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
K. Chambers RGT12	[signature]	3	2	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[signature]	[signature]	3	2	11

COPY 3 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: **UIS A 0303853**

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #): AT 2642L
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone: 518 7475500

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			32.95		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #0935
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature | Month 3 Day 3 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name | Signature | Month 3 Day 3 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N Y D 0 6 6 8 2 9 5 9 9
Manifest Document No.:
2. Page 1: 1 of 1

A. Nonhazardous Waste Manifest Document Number: UIS A 0303848

3. Generator's Name and Mailing Address:
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

B. G.S.I. (Gen. Site Address):
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N Y R 0 0 0 1 5 8 6 9 1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):
D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address:
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #) AV 35629
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description *(Including Proper Shipping Name, Hazard Class and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None, None, , None	0 0 1	D T	35	T	EPA NONE STATE NONE
b.			37.63		EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above: ESMI OUD #6336
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information: EMERGENCY PH#(800)483-3718 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature: [signature] | Month Day Year: 3 3 11

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Justin Davidson | Signature: [signature] | Month Day Year: 3 3 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [signature] | Signature: [signature] | Month Day Year: 3 3 11

COPY 3 - FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303849

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):

D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #): AV50711

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	~35	T	EPA NONE / STATE NONE
b.			33.99		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI Job #5936

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.			c.	
b.			d.	

15. Special Handling Instructions and Additional Information: EMERGENCY PH#(203)238-6745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature | Month 3 | Day 3 | Year 11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: K Chambers RGT 12 | Signature | Month 3 | Day 3 | Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month 3 | Day 3 | Year 11

GENERATOR / TRANSPORTER / FACILITY

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

GENERATOR		
Please type (or print)	1. Generator's US EPA ID No. N.Y.D.0.6.6.8.2.9.5.9.9 — Manifest Document No.	2. Page 1 — 1 of 1
3. Generator's Name and Mailing Address: Saint-Gobain Corporation, 750 East Swedesford Road, Valley Forge, PA 19482 — Attn: Jim Smith		A. Nonhazardous Waste Manifest Document Number: UIS A 0303850
4. Generator's Phone (610) 341-7321		B. G.S.I. (Gen. Site Address): Former Norton/Nashua Tape, 2600 Seventh Ave, Watervliet, NY 12189
5. Transporter 1 Company Name: R. Galusha Transport	6. US EPA ID Number: NYR000156691	C. S.T.I. (Trans. Lic. Plate #)
7. Transporter 2 Company Name	8. US EPA ID Number	D. Tran. Phone (518) 747-2065
9. Designated Facility Name and Site Address: ESMI of New York, 304 Towpath Road, Fort Edward, NY 12828	10. US EPA ID Number: Not Required	E. S.T.I. (Trans. Lic. Plate #) AT26426
		F. Tran. Phone ( )
		G. State Facility's ID (Not Required)
		H. Facility's Phone 518 7475500

11. US DOT Description *(Including Proper Shipping Name, Hazard Class and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	33.63 / 35	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above (Interim / Final / Interim / Final)
ESMI USE #8538 a.	c.	a. c.
b.	d.	b. d.

15. Special Handling Instructions and Additional Information: EMERGENCY PH#(203)203-0730 a) P020111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder	[signature]	3	3	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ed Burnell	[signature]	3	3	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Robert Martin	[signature]	3	3	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
ATN: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: **UIS A 0303851**

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #): AV 35629

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			35.62		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI Job #5935

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)236-0745 a) P03011100SN4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature | Month 3 Day 3 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Justin Davidson | Signature | Month 3 Day 3 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month 3 Day 3 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No. N.Y.D.0.6.6.8.2.9.5.9.9	Manifest Document No.	2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number UIS A 0303852

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name R. Galusha Transport
6. US EPA ID Number NYR000158691

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #) AU5071
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number Not Required

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	~35 (34.16)	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI COD #0936
a. c.
b. d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)265-5773 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature: [signature] | Month 3 Day 3 Year 11

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: K. Chambers [illegible] | Signature: [signature] | Month 3 Day 3 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [signature] | Signature: [signature] | Month 3 Day 3 Year 11

COPY 2 - FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: **UIS A 0303847**

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #) AT 26426
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	0 0 1	D T	35	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI Job #6936

K. Handling Codes for Wastes Listed Above	Interim	Final	Interim	Final
a.		c.		
b.		d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)230-6749 a) P039111009N4FT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder | Signature: Ky S | Month 3 | Day 3 | Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ed Burns | Signature: | Month 3 | Day 3 | Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month . | Day . | Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Robert Martin | Signature: Robert Martin | Month 03 | Day 03 | Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.5.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
AHV: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303837

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #) AC 50711
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: N.o.t. .R.e.q.u.i.r.e.d

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	33.53 ~~35~~	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI Job #8936
a. | c. | b. | d.

K. Handling Codes for Wastes Listed Above
a. Interim | Final | c. Interim | Final
b. | d.

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)230-8743 a) F03011009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder | Signature: Kyle S | Month 3 | Day 3 | Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: R. Chambers | Signature | Month 3 | Day 3 | Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month . | Day . | Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Robert Martin | Signature | Month 03 | Day 03 | Year 11

COPY 6 - FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: NYD066829599 — Manifest Document No.: — 2. Page 1 of 1

3. Generator's Name and Mailing Address:
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn! Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303838

B. G.S.I. (Gen. Site Address):
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: NYR000156691

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #)

D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address:
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #) AV35629

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None, None, , None	001	DT	~35	T	EPA NONE / STATE NONE
b.			35.44	T	EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI Job #8936

a. — c. — b. — d.

K. Handling Codes for Wastes Listed Above: Interim / Final / Interim / Final — a. b. c. d.

15. Special Handling Instructions and Additional Information: EMERGENCY PH#(800) 266-6046 a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: Kyle Swartzwelder — Signature: [signature] — Month 3 Day 3 Year 11

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Justin Davidson — Signature: [signature] — Month 3 Day 3 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Peter Hansen — Signature: Peter C. Hansen — Month 03 Day 03 Year 11

COPY 4 - FACILITY COPY

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. NYD066829599 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
ATN: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303861

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport — 6. US EPA ID Number: NYR000158661

7. Transporter 2 Company Name — 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)

D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Note Required

E. S.T.I. (Trans. Lic. Plate #) AU 50711

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			3670		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. ESMI Job #8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a.		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P032111009N4FT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		3	4	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
K. Chambers DST12		3	4	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		3	4	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: . . . . .

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

A. Nonhazardous Waste Manifest Document Number: UIS A 0303839

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

C. S.T.I. (Trans. Lic. Plate #)

7. Transporter 2 Company Name

8. US EPA ID Number: . . . . . .

D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #) AT 26426

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	~35	T	EPA NONE / STATE NONE
b.			33.71		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #6936

K. Handling Codes for Wastes Listed Above	Interim	Final	Interim	Final
a.			c.	
b.			d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder | Signature | Month 3 | Day 4 | Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ed Burke | Signature | Month 3 | Day 4 | Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month . | Day . | Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month 3 | Day 14 | Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No. N.Y.D.0.6.6.8.2.9.5.9.9	Manifest Document No.	2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303840

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N Y R 0 0 0 1 5 8 6 9 1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #) AU50711
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	~35 (35.35)	T	EPA NONE / STATE NONE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: ESMI Job #8336
a. c.
b. d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)263-6710 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder	[signature]	3	3	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
K. Chambers RHT12	K. C[signature]	3	3	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[signature]	[signature]	3	4	11

COPY 3 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 AHO: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303846

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N Y R 0 0 0 1 5 8 6 9 1

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #) AV 35629
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	~35	T	EPA NONE / STATE NONE
b.			26.75		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI USE #5936
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information: a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		3	4	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Justin Davidson		3	4	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		.	.	.

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		3	4	11

COPY 2. FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303841

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):
D. Tran. Phone (518) 747-2063
E. S.T.I. (Trans. Lic. Plate #) AT26426
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
EQMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE STATE NONE
b.			34.08		EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
EQMI Job #8935
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a.		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)230-8745 a) P039111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		3	4	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ed Burke		3	4	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Matteson		3	4	11

COPY 6: FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9 | Manifest Document No.: | 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: **UIS A 0303845**

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #):
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #): AV 35629
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			35.74		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a. c.
b. d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-0745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder | Signature | Month 3 | Day 4 | Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Justin Davidson | Signature | Month 3 | Day 4 | Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month 3 | Day 4 | Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.6.6.8.2.9.5.9.9
Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address:
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303842

B. G.S.I. (Gen. Site Address):
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: NYR000158691

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address:
EMNI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #) AV 50711
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None, None, , None	001	DT	35	T	EPA NONE / STATE NONE
b.			36.27		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above: EMNI CUD #0396

a.	c.	
b.	d.	

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information: EMERGENCY CH#(800)255-3924 a) F03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by roper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway cording to applicable international and national government regulations, and all applicable State laws and regulations.

yped Name: ...e Swartzwelder | Signature: [signature] | Month 3 Day 4 Year 11

Acknowledgement of Receipt of Materials
Name: Ambers RATTZ | Signature: [signature] | Month 3 Day 4 Year 11

...owledgement of Receipt of Materials
Signature: | Month Day Year

...pace

...cation of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Signature: [signature] | Month 3 Day 4 Year 11

COPY 3 - FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
	N.Y.D.0.6.6.8.2.9.5.9.9		1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: **UIS A** 0303844

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: NYR000158691

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #) AT26426
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None, None, , None	001	DT	35	T	EPA NONE STATE NONE
b.			35.07		EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
ESMI [illegible] #0356
a.   b.   c.   d.

K. Handling Codes for Wastes Listed Above
Interim / Final / Interim / Final
a. b. c. d.

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(800)[illegible] a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder	[signature]	3	4	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ed Burns	[signature]	3	4	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[signature]	[signature]	3	4	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: N.Y.D.0.5.6.8.2.9.5.9.9
Manifest Document No.:
2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
4. Generator's Phone (610) 341-7321 Attn: Jim Smith

A. Nonhazardous Waste Manifest Document Number: UIS A 0303843

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N.Y.R.0.0.0.1.5.8.6.9.1

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2665
E. S.T.I. (Trans. Lic. Plate #) AV55629
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			37.01		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #6936
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a.		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-8743 a) E03011100 9N4FT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		3	4	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Justin Davidson		3	4	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Matt Peason		3	14	11

COPY 2: FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. NYD065829599 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7221

A. Nonhazardous Waste Manifest Document Number: UIS A 0303862

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: NYR000015869 1

C. S.T.I. (Trans. Lic. Plate #)

7. Transporter 2 Company Name

8. US EPA ID Number

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #) AV 35102

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DM	35	T	EPA NONE / STATE NONE
b.			30.95		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a. c.
b. d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.			c.	
b.			d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder — Signature — Month 3 Day 7 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mark Kambuski — Signature — Month 3 Day 7 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month 3 Day 17 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. NYD056829599 — Manifest Document No.

2. Page 1 of 1

A. Nonhazardous Waste Manifest Document Number: UIS A 0303863

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482

4. Generator's Phone (610) 341-7821 — Attn: Jim Smith

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: B. Galusha Transport — 6. US EPA ID Number: NYR000015869

7. Transporter 2 Company Name — 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #) AV3562

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828 — 10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	TT	35		EPA NONE / STATE NONE
b.			34.04		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. ESMI Job #8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above

Interim	Final	Interim	Final
a.		c.	
b.		d.	

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) E03011100SN4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder — Signature — Month 3 Day 7 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Justin Davidson — Signature — Month 3 Day 7 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month 3 Day 7 Year 11

COPY 2: FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. N Y D 0 6 6 8 2 9 5 0 0 — Manifest Document No. — 2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith
4. Generator's Phone (610) 341-7221

A. Nonhazardous Waste Manifest Document Number: UIS A 0303864

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: N Y R 0 0 0 1 5 8 6 9 1
C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065

7. Transporter 2 Company Name
8. US EPA ID Number
E. S.T.I. (Trans. Lic. Plate #) AT26725
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828
10. US EPA ID Number: Not Required
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			40.32		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. ESMI Job #8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: Kyle Swartzwelder — Signature — Month 3 Day 7 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature: Steve Barnaby — Month 3 Day 7 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month . Day . Year .

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month 3 Day 8 Year 11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. NYD065620509 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
ATN: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303865

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport — 6. US EPA ID Number: NYR000015865 1

7. Transporter 2 Company Name — 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)

D. Tran. Phone (518) 747-2065

E. S.T.I. (Trans. Lic. Plate #) AV3570Z

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			34.30		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. ESMI Job #8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzmelder		3	7	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MARK KAMBURELIS		3	7	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
		3	12	11

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No.: NYD066829599 | Manifest Document No.:

2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number: UIS A 0303866

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport

6. US EPA ID Number: NYR000015869 1

C. S.T.I. (Trans. Lic. Plate #)

7. Transporter 2 Company Name

8. US EPA ID Number

D. Tran. Phone (518) 747-2065

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

E. S.T.I. (Trans. Lic. Plate #) A726275

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 518 7475500

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DM	35	T	EPA NONE STATE NONE
b.			36.93		EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
ESMI Job #8936
a. c.
b. d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder		3	7	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Steve Barnaby		3	7	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

COPY 2 FACILITY MAILS TO GENERATOR

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of
	NYD066829599		

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7021

A. Nonhazardous Waste Manifest Document Number: **USA 0303867**

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: NYR000015869 1

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #) AV 3510 L
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE / STATE NONE
b.			37.51		EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. ESMI Job #8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. Interim / Final
b.
c. Interim / Final
d.

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) P030111009N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swartzwelder	[signature]	3	6	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[handwritten name]	[signature]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Peter Hansen	[signature]	03	08	11

COPY 3 TRANSPORTER COPY

NONHAZARDOUS WASTE MANIFEST

Please type (or print)	1. Generator's US EPA ID No. NYD066682989	Manifest Document No.	2. Page 1 of 1

3. Generator's Name and Mailing Address
Saint-Gobain Corporation
750 East Swedesford Road
Valley Forge, PA 19482
Attn: Jim Smith

4. Generator's Phone (610) 341-7321

A. Nonhazardous Waste Manifest Document Number **UIS A** 0303868

B. G.S.I. (Gen. Site Address)
Former Norton/Nashua Tape
2600 Seventh Ave
Watervliet, NY 12189

5. Transporter 1 Company Name: R. Galusha Transport
6. US EPA ID Number: NYR000158681

7. Transporter 2 Company Name:
8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #)
D. Tran. Phone (518) 747-2065
E. S.T.I. (Trans. Lic. Plate #) AV35162
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward, NY 12828

10. US EPA ID Number: Not Required

G. State Facility's ID (Not Required)
H. Facility's Phone 518 7475500

11. US DOT Description *(Including Proper Shipping Name, Hazard Class and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-Hazardous Petroleum Solvent Contaminated Soil None,None,,None	001	DT	35	T	EPA NONE STATE NONE
b.			34.55		EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above
a. ESMI Job #8936
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
EMERGENCY PH#(203)238-6745 a) F03011100 9N4PT - EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name	Signature	Month	Day	Year
Kyle Swaltzwelder	[signature]	3	8	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Mark Kambunda	[signature]	3	8	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Peter Hansen	[signature]	03	08	11

COPY 3 TRANSPORTER COPY

APPENDIX E
CLEAN FILL CERTIFICATION DOCUMENTATION

TRADEBE™
UNITED INDUSTRIAL SERVICES
47 GRACEY AVENUE MERIDEN, CT 06451
TOLL FREE (888) 276-0887

INFO@UNITEDINDUSTRIALSERVICES.COM

Aptil 27 , 2011

Mr. Bryan Machella
Forensic Environmental Services, Inc.
113 John Robert Thomas Drive
Exton, PA 19341

Phone: (610) 594-3940
Email: forensic@chesco.com

Dear Mr. Machella:

The material that was delivered to the Former Norton-Nashua Tape Products site in Watervliet, New York to backfill the excavation came from our Norlite quarry operation located in Cohoes, New York.

The product that was delivered is called "graded base shale". It is a commercial product (virgin shale) that Norlite sells to local contractor/pavers.

If have have questions or need any additional information please feel free to call me at 518-857-3485.

Yours very truly,

Charles T. Story
V.P. Business Development

APPENDIX F
MONITORING WELL CONSTRUCTION LOGS

MONITORING WELL CONSTRUCTION DIAGRAM

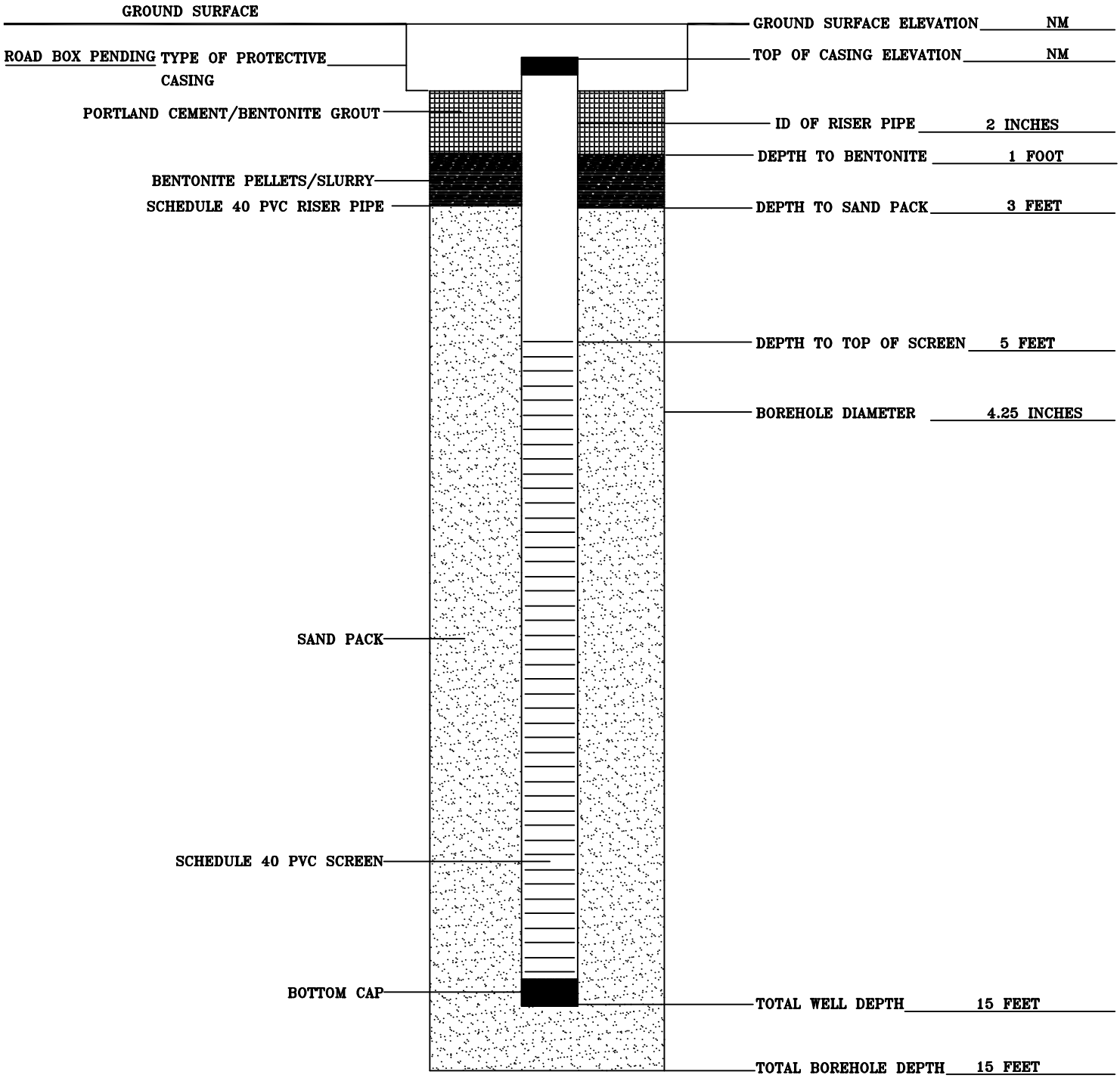
FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY
WATERVLIET, NEW YORK

DATE OF INSTALLATION: MAY 11, 2011

DRILLING COMPANY: ADT

WELL DESIGNATION: MW-25

WELL DESCRIPTION: GROUNDWATER MONITORING



MW-25.DWG

MONITORING WELL CONSTRUCTION DIAGRAM

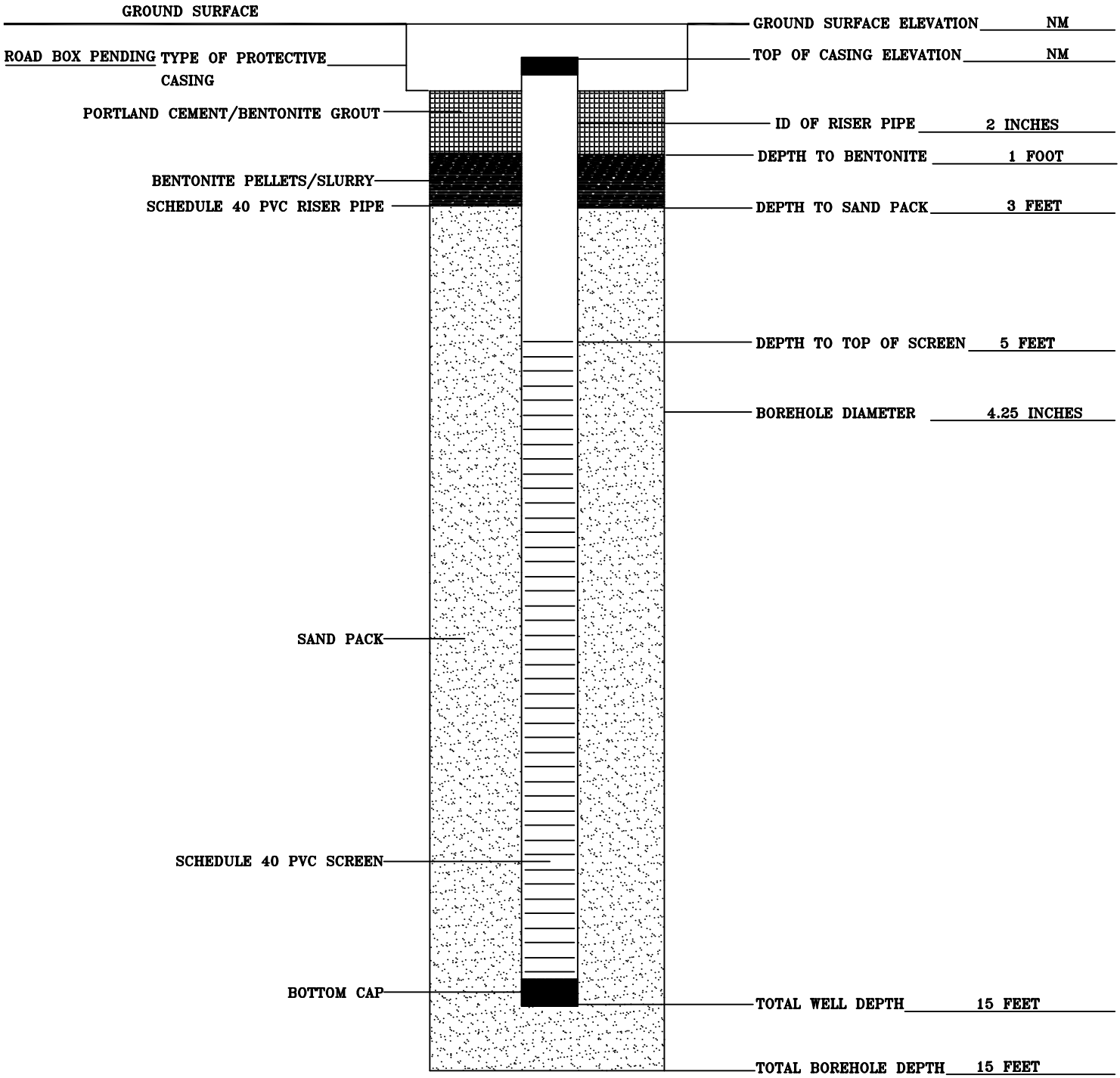
FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY
WATERVLIET, NEW YORK

DATE OF INSTALLATION: MAY 11, 2011

DRILLING COMPANY: ADT

WELL DESIGNATION: MW-26

WELL DESCRIPTION: GROUNDWATER MONITORING



MW-26.DWG

MONITORING WELL CONSTRUCTION DIAGRAM

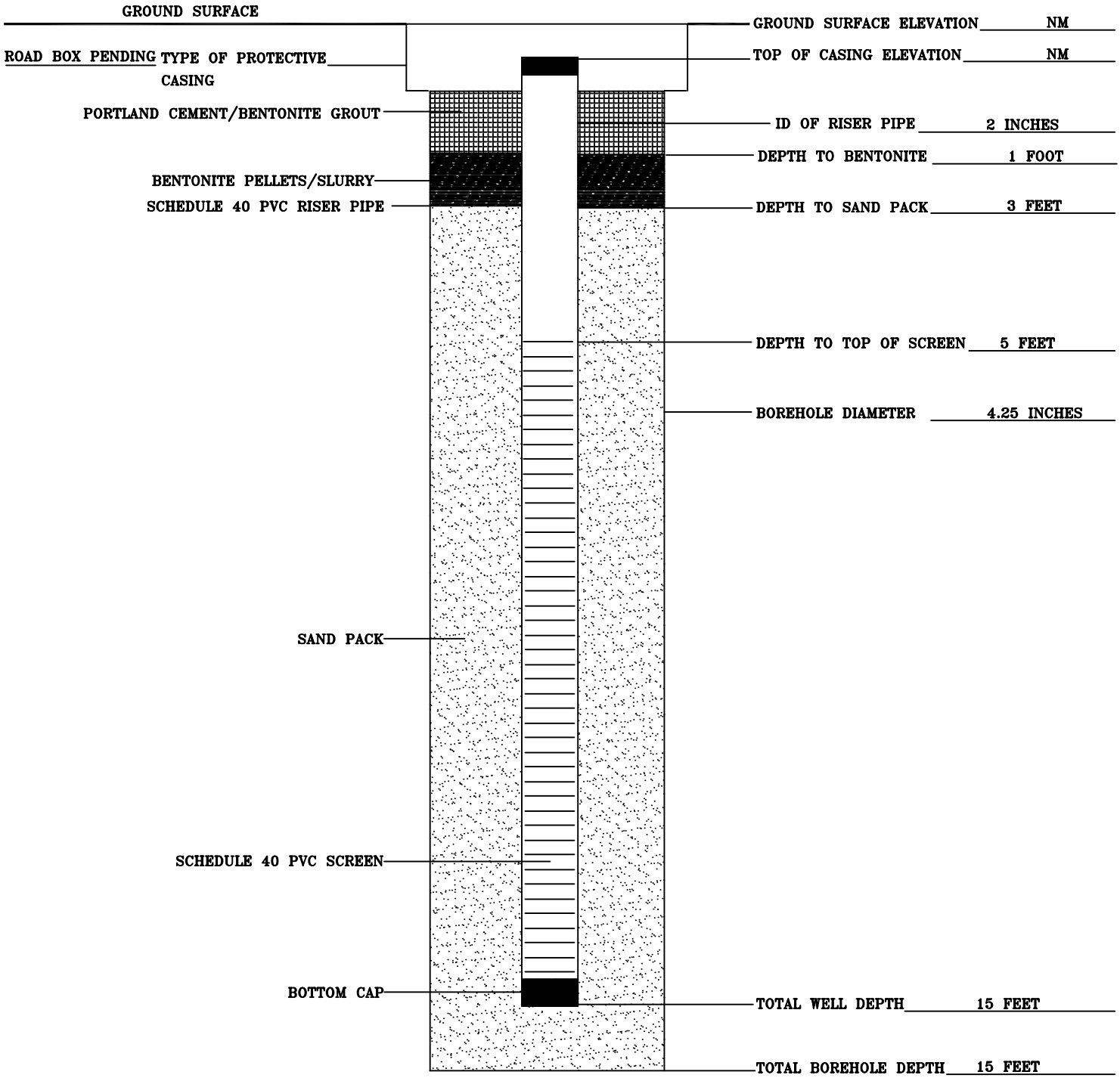
FORMER NORTON/NASHUA TAPE PRODUCTS FACILITY
WATERVLIET, NEW YORK

DATE OF INSTALLATION: MAY 11, 2011

DRILLING COMPANY: ADT

WELL DESIGNATION: MW-27

WELL DESCRIPTION: GROUNDWATER MONITORING



MW-27.DWG

APPENDIX G
GROUNDWATER SAMPLING FORM

Forensic Environmental Services, Inc.

Well Sampling Form

MP-2

Date:	5/11/2011	Sampler:	Denise Gaffus
Project/Site:	SGPP - Watervliet	Location:	Watervliet, New York
Well ID:	MP-2		
Inner Casing diameter:	1.5 inches	Casing Material:	PVC

Weather Conditions: sunny clear skies warm

Total Depth of Well (from top inner casing): 15 feet

Depth to Water (DTW) (from top inner casing): 8.30 feet

Well Screened Interval: 5-15 feet

Linear feet of water in well: 6.67

Is DTW included in a complete round of pre-sampling synoptic water level measurements? yes (no)

Thickness of floating product (if any): (None) feet Time:

Description of floating product: (None)

Purge Method: peri pump

Depth of Pump: 10 feet

Purge Start Time: 4:34 Purge End Time: 5:15 Purge Rate (gals/minute): 80mL/min

Total Volume Purged: ~1 gallons

	Temperature °C	Spec. Cond. (µs/cm)	pH (pH units)	Diss. Oxygen (ppm)	Redox (mV)	Turbidity (NTU)	Depth to Water (ft)
4:44 Initial:	14.99	1002	5.77	6.24	-50.6	365.5	11.0
4:47 3 Minutes:	15.34	1007	5.84	7.72	-68.8	539.3	11.0
4:50 6 Minutes:	15.48	1009	5.89	8.54	-73.2	541.9	11.0
4:53 9 Minutes:	15.46	1498	5.95	8.76	-77.6	503.6	11.0
4:57 12 Minutes:	15.42	1623	5.98	8.47	-79.8	442.9	11.0
5:00 15 Minutes:	15.45	1728	6.00	8.03	-77.2	849.0	11.0
5:03 18 Minutes:	15.44	1813	6.01	7.49	-76.5	1016.9	11.0
5:07 21 Minutes:	15.48	1825	6.01	7.20	-76.1	623.9	11.01
5:10 24 Minutes:	15.66	1823	6.01	7.99	-75.8	559.1	11.05
5:13 27 Minutes:	15.76	1832	6.00	8.64	-74.5	851.1	11.05
5:15 30 Minutes:	15.74	1842	6.00	8.87	-74.9	329.2	11.05
5:18 33 Minutes:							
Stabilization Rate	+/- 3%	+/- 3%	+/- 0.1	+/- 10%	+/- 10 mv	+/- 10%	< 0.3 ft

Sampling Method:

Sample Time:

Sampling Parameters: no sample collected

Field Observations (turbidity, recharge rate, odor, sheens, PID/FID readings):

cloudy; reddish color (very slight)

Purge Water Status (containerized & # of containers, filtered and discharged, w/ discharge location):

Stored on-site in 55-gallon drums for later disposal.

Comments:

PID: 0.0ppm

specific cond. fluctuates as well as D.O and turbidity

Forensic Environmental Services, Inc.

Well Sampling Form

MP-02

Date: 5/12/11		Sampler: Denise Gatlin	
Project/Site:	SGPP - Watervliet	Location: Watervliet, New York	
Well ID: MP-2			
Inner Casing diameter:	1.5 inches	Casing Material:	PVC
Weather Conditions:	sunny warm clear skies		
Total Depth of Well (from top inner casing):	15		feet
Depth to Water (DTW) (from top inner casing):	8.38		feet
Well Screened Interval:	5-15		feet
Linear feet of water in well:	6.62		
Is DTW included in a complete round of pre-sampling synoptic water level measurements?			yes (no)
Thickness of floating product (if any):	None		feet Time:
Description of floating product:	None		

Purge Method: peristaltic
Depth of Pump: 10 feet b/c of propensity for well to dry
Purge Start Time: 8:55am Purge End Time: 0930 Purge Rate (gals/minute): 20ml = 80ml/min
Total Volume Purged: gallons 1 gal

		Temperature °C	Spec. Cond. (µs/cm)	pH (pH units)	Diss. Oxygen (ppm)	Redox (mV)	Turbidity (NTU)	Depth to Water (ft)
8:55	Initial:	14.81	1847	4.91	5.98	-63.6	303.0	9.65
8:58	3 Minutes:	15.21	1841	4.98	6.40	-66.7	285.1	9.30
9:01	6 Minutes:	15.80	1846	5.01	6.18	-68.5	290.6	9.91
9:04	9 Minutes:	14.24	1825	4.88	3.13	-67.6	244.1	9.95
9:07	12 Minutes:	14.38	1790	4.91	3.69	-73.7	253.6	9.98
9:10	15 Minutes:	14.88	1773	5.04	6.20	-76.9	236.4	10.02
9:13	18 Minutes:	15.33	1771	5.18	8.03	-86.6	222.3	10.02
9:16	21 Minutes:	15.54	1788	5.26	8.63	-95.9	208.5	10.01
9:19	24 Minutes:	16.07	1810	5.27	8.75	-99.4	208.4	10.01
9:22	27 Minutes:	16.03	1838	5.32	8.92	-105.1	219.1	10.01
9:25	30 Minutes:	16.39	1856	5.33	8.91	-106.2	211.1	10.01
9:28	33 Minutes:	16.60	1876	5.33	8.80	-105.9	202.6	10.01
	Stabilization Rate	+/- 3%	+/- 3%	+/- 0.1	+/- 10%	+/- 10 mv	+/- 10%	< 0.3 ft

Sampling Method: 9:30 9:32
Sample Time:
Sampling Parameters:

Field Observations (turbidity, recharge rate, odor, sheens, PID/FID readings):

Purge Water Status (containerized & # of containers, filtered and discharged, w/ discharge location):

Stored on-site in 55-gallon drums for later disposal.

Comments:

PID 0.0 ppm
slight yellow tint

temp not steady, heavy air bubbles - due to residual change effect