Department of Environmental Conservation

Division of Environmental Remediation

Final IRM Report for Operable Unit 2

Spaulding Composites Site
Tonawanda, Erie County, New York
Site Number 9-15-050

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Revised July 2008

New York State Department of Environmental Conservation
DAVID PATERSON, *Governor* ALEXANDER B. GRANNIS, *Commissioner*

TABLE OF CONTENTS

SECTION **PAGE**

TABLE OF CONTENTS (Continued)

SECTION **PAGE**

TABLE OF CONTENTS (Continued)

SECTION **PAGE**

LIST OF FIGURES
(Following Text)

LIST OF FIGURES
(Continued)

LIST OF FIGURES
(Continued)

LIST OF FIGURES
(Continued)

LIST OF FIGURES
(Continued)

LIST OF FIGURES
(Continued)

LIST OF FIGURES
(Continued)

LIST OF FIGURES
(Continued)

LIST OF FIGURES
(Continued)

LIST OF TABLES
(Following Text)

LIST OF TABLES
(Continued)

LIST OF APPENDICES

1.0 Introduction

1.1 General

The NYSDEC has prepared this *Final Interim Remedial Measures* (IRM) *Report for Operable Unit 2* (OU2) to summarize the IRM activities conducted at OU2 of the Spaulding Composites Site (Site) in the City of Tonawanda, Erie County, New York (Figure 1-1). This work was completed as the final remedy for OU2 as described in the Record of Decision/Statement of Basis (ROD/SOB) issued by the NYSDEC in March 2003.

The OU2 IRM activities were performed at the Site in accordance with the *IRM Scope of Work for Operable Unit 2* (NYSDEC, May 2004), and were intended to meet the remediation goals described in the ROD/SOB. The goals selected for the Spaulding Composites Site are described as follows:

- eliminate, to the extent practicable, the potential for ingestion of contaminated soils and sediment;
- eliminate, to the extent practicable, the generation of particulates from contaminated soils and vapor emissions from contaminated soils and groundwater that could result in inhalation exposures;
- eliminate, to the extent practicable, dermal contact with contaminated soils, sediment, groundwater and surface water;
- eliminate, to the extent practicable, off-site migration of PCB contaminated water; and
- eliminate, to the extent practicable, exceedances of applicable environmental quality standards related to releases of contaminants to groundwater.

The IRM activities implemented at the Site to achieve the remediation goals applicable to OU2 consisted of the following major activities:

- the excavation, transportation and disposal of PCB contaminated soils at approved disposal facilities;
- the management of remediation-generated debris and waste materials for offsite transportation and disposal at approved disposal facilities;

- the collection of confirmatory soil samples to determine the final limits of the excavation. The ROD specified that the excavation of OU2 "will be to contaminant levels consistent with the goal of meeting Technical and Administrative Guidance Memorandum (TAGM) 4046 soil cleanup objectives." For PCBs, the soil cleanup objectives are 1 ppm for surface soils and 10 ppm for subsurface soils. Because the remaining operable units will be remediated to contaminant levels consistent with the December 2006 soil cleanup objectives of 6 NYCRR Part 375, the confirmatory sample results were subsequently compared to the Part 375 restricted residential soil cleanup objectives (1 ppm for both surface and subsurface soil);

- the characterization of excavated soils and debris for offsite disposal;

- the implementation of an air monitoring plan to protect both site workers and the community;

- the backfilling of excavated areas with clean soils and the restoration of the site upon completion of the IRM activities;

- the cleaning of the K-Line storm sewer from the Therminol Building to manhole MHL (near Dodge Avenue) to remove contaminated sediments. This section of the sewer was subsequently plugged and abandoned in place; and

- the continued operation of the on-site water treatment system until the K-Line sewer was plugged and abandoned. Treated water was sampled and analyzed during this time for compliance with the 65 parts per trillion (ppt) discharge limit for PCBs.

1.2 Project Background

The Spaulding Composites Site is an inactive manufacturing facility that formerly produced paper, fibre and laminate products using various organic compounds and zinc. In 1994 Spaulding and the NYSDEC executed both a RCRA Order on Consent and a CERCLA Order on Consent requiring the investigation of the Site (RI/RFI) and the continued operation of an on-site water treatment system that treated PCB contaminated storm water. Spaulding completed a single investigation in 1999 to satisfy both programs. This investigation identified several separate and distinct areas of waste disposal and contamination throughout the 46-acre site. Spaulding submitted the final Feasibility Study (FS) report in December 2000; this report was not approvable but was sufficient to prepare a Proposed Remedial Action Plan/Statement of Basis (PRAP/SOB) for the Site. Following a public comment period, the NYSDEC issued the Record of Decision/Statement of Basis (ROD/SOB) for the Spaulding Composites Site in March 2003.

In February 2001, the NYSDEC learned that Spaulding, for the second time in ten years, had filed for Chapter 11 bankruptcy. At the time of the filing, Spaulding assured the Department that this action would not impact the Tonawanda site nor efforts relating to the NYSDEC Consent Orders. A principal concern of the NYSDEC at that time was Spaulding's continued ability to operate the water treatment system as the influent water remained significantly contaminated with PCBs. As a result, the NYSDEC evaluated several contingency options for the treatment system should the need arise. Of the options evaluated, use of a NYSDEC Spill Contractor to operate the system was determined to be the best option available.

On October 15, 2003, the United States Bankruptcy court approved a recovery plan for Spaulding that in part provided for the operation of the water treatment system for an additional 90 days. After the 90 day period, which ended January 23, 2004, neither Spaulding nor it's creditors were obligated to operate the system. Therefore, in order to protect public health and the environment the NYSDEC took over the operation and maintenance of the water treatment system on January 23, 2004. The system was operated by C&W Environmental, LLC (C&W), a NYSDEC Spill Contractor, until the K-Line sewer was plugged and abandoned in place.

With Spaulding's obligation ended, the Site was referred to the NYSDEC Division of Environmental Remediation for the implementation of a State funded remediation. Since the time between referral and the beginning of remediation is typically two years or more, and knowing that the cost to operate the treatment system for two years was estimated at $187,000, the NYSDEC authorized C&W to evaluate IRM options to remove PCB-contaminated soils from OU2 so that the treatment system could be shut down. Based upon C&W's cost estimate for the IRM, the NYSDEC decided to undertake this remediation and authorized C&W to begin this work.

1.3 Site Location and Description

The 46-acre Spaulding Composites Site is located at 310 Wheeler Street in the City of Tonawanda, Erie County, New York (Figure 1-1). The Site is bordered by Dodge and Enterprise avenues and residential property to the north, Wheeler Street and a mix of commercial and residential properties to the east, Hackett Drive and commercial properties to the south, and Hinds Street and a mix of commercial and residential properties to the west (Figures 1-1 and 1-2). The

topography of the Site and the surrounding area is relatively flat, with most surface water runoff toward on-site drainage ditches and storm sewers. The Niagara River is located approximately one mile to the north, while Two Mile Creek is located approximately one mile to the west (Figure 1-1).

The Spaulding Composites Site has been subdivided into four Operable Units (OUs), each consisting of multiple Solid Waste Management Units and Areas of Concern. An Operable Unit is a term that defines a portion of the site that for technical or administrative reasons can be addressed separately to eliminate or mitigate a release, threat of release or exposure pathway resulting from site contamination. A Solid Waste Management Unit (SWMU) is a Resource Conservation and Recovery Act (RCRA) term that defines a discernible unit where solid or hazardous wastes have been placed at any time, or any area where solid wastes have been routinely and systematically released. An Area of Concern (AOC) is also a RCRA term, and defines an area not known to be a SWMU, where hazardous waste and/or hazardous constituents are present, or are suspected to be present, as a result of a release from the facility. The Operable Units at the Spaulding Composites Site, with the included SWMUs and AOCs, are defined as follows:

OU1: Regulated Landfill Wastes

SWMU 7 Resin Drum Landfill;
SWMU 8 Laminant Dust Landfill.

OU2: PCB-Contaminated Wastes

SWMU 11 Small Settling Lagoon;
SWMU 12 "U" Shaped Settling Lagoon and Former Fuel Oil Tanks;
SWMU 13 South Settling Lagoon - South Area;
SWMU 23 Former Tank Farm;
SWMU 38 Therminol Building Area;
AOC 48 Transformer Explosion Area.

OU3: Petroleum Contaminated Wastes

SWMU 13 Former Grinding Oil Tank and South Settling Lagoon - North Area;
SWMU 36 Former Tank Farm Area.

OU4: Multiple Contaminant Wastes

SWMU 3 Zinc Chloride Sludge Container Storage Area;
SWMU 5 Empty Drum Storage Dock;
SWMU 14 Settling Lagoon;
SWMU 26 Paper Sludge Land Application Area;
SWMU 35 Lab Waste Storage Area

AOC 45 Rail Spur;
AOC 46 Drum Storage Dock;
AOC 47 Bulk Chemical Unloading Area.

These operable units are shown on Figure 1-2, with the individual SWMUs and AOCs shown on Figure 1-3. This Final IRM Report is specific to OU2.

1.4 Operational/Disposal History

Spaulding began operations as a manufacturer of vulcanized fiber, an early "plastic" made by treating paper with a zinc chloride solution. The paper used to produce vulcanized fiber was also manufactured at the facility. During the late 1940s to early 1950s, the plant began production of composite laminates (Spauldite®) that were made by impregnating natural fibers with phenolic resins (and later, melamine and epoxy resins and synthetic fibers). Many of the phenolic resins used in the production of Spauldite® were manufactured on-site. In the fall of 1992 Spaulding ceased manufacturing operations at the facility and commenced decommissioning activities of the plant. Spaulding, until January 23, 2004, maintained a limited manpower staff at the Site to: (1) operate an on-site water treatment system, and (2) maintain the facility (e.g., lawn mowing and security). From January 23 to October 11, 2004, the NYSDEC, through use of a Spill Contractor, operated and maintained the water treatment system.

Contamination of Site soils and groundwater (in limited areas) resulted largely from bulk chemical and waste handling practices at the facility. These practices included: (1) historical leaks and spills (at least 17 incidents were reported between 1958 and 1994), (2) on-site waste disposal in pits excavated into native soils (the Resin Drum and Laminant Dust Landfills), and (3) the use of settling lagoons (four such lagoons were located throughout the Site). In addition, a number of disposal pits were located inside plant buildings; these pits were cleaned during decommissioning activities following facility closure in 1992. The disposal practices at the Site as they relate to OU2 are described as follows:

- the Settling Lagoons (SWMUs 11, 12 and 13) were excavated into native soils and were utilized from approximately 1930 to 1972 when they were reportedly decommissioned. PCBs found in the lagoons may have been contained in grinding wastes discharged to the lagoons, resultant of indirect storm water runoff to the

lagoons or from other unidentified discharges;

- the Former Tank Farm Area (SWMU 23) included eight 10,000 gallon above ground steel tanks. While allegedly not utilized by Spaulding, residuals in five of the tanks, totaling approximately 3,000 gallons, consisted of an asphalt roofing material and thinner. These residuals were found to contain PCBs;

- the Therminol Building (SWMU 38) housed a Therminol heat exchange unit utilized during the 1960s as part of Spauldite® production. Oil containing 85% PCBs was the heat exchange media of the Therminol Unit. At times of system failure, PCB oils were discharged to the ground adjacent to the Therminol Building or to floor drains discharging to the K-Line storm sewer serving the northwest portion of the facility; and

- sometime during the 1960s a transformer (AOC 48) allegedly exploded outside the northwest portion of the plant, releasing PCB transformer oil to the ground surface.

1.5 Remedial History

This section describes the remedial history of the Spaulding Composites Site as it relates to Operable Unit 2. In the late 1980s, a consultant under contract with the United States Environmental Protection Agency (USEPA) conducted a RCRA Facility Assessment (RFA) at the Site. This assessment identified 36 Solid Waste Management Units (SWMUs) and several potential Areas of Concern (AOCs), including the SWMUs and AOC associated with Operable Unit 2. The RFA Report included a summary of the analytical data for site surface water, soil and groundwater that were obtained by NUS Corporation in April 1987 during a Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Site Investigation.

Spaulding has completed a number of remedial activities over the years to address contamination at the site. In the late 1970s four Settling Lagoons (SWMUs 11, 12, 13 and 14) were allegedly excavated and backfilled with clean fill. The contaminated sludge and soils were reportedly disposed of at Seaway Landfill in Tonawanda, New York. These lagoons were utilized from 1930 to 1972 to collect and settle out wet grinding wastes. Due to the limited documentation available regarding this removal activity, these lagoons were further evaluated during the RI/RFI. SWMUs 11, 12 and 13 are associated with OU2.

In early 1993 Spaulding constructed an on-site water treatment system to treat PCB

contaminated water from the Spauldite Sheet basement sump, the K-Line storm sewer (Figure 1-3) and other wastewaters generated on-site. This system was moved to its current location (Figure 1-3) in September 1994. In October 1994, that portion of the K-Line storm sewer impacted by PCB contamination was isolated from the remaining K-Line system. Contaminated storm water from the isolated portion of the K-Line storm sewer was pumped to the on-site water treatment system and discharged to an off-site storm sewer. Prior to discharge, however, this water had to meet applicable PCB discharge limits (65 parts per trillion) as specified in the RCRA Order on Consent. Periodic sampling and analysis of waters from the isolated portion of the K-Line storm sewer (treatment system influent), the water treatment system effluent and the remaining (untreated) portions of the K-Line storm sewer system was conducted by Spaulding and the NYSDEC (after January 23, 2004) until the system was shut down on October 11, 2004.

In June 1993 a portion of the K-Line storm sewer was flushed and the sediments removed in accordance with a NYSDEC approved work plan. This work was completed following the detection of PCBs in the K-Line storm sewer sediments at concentrations up to 1,065 parts per million (ppm). The removed sediments were dewatered, placed in roll-offs, and sent to Chemical Waste Management in Model City, New York for disposal.

1.6 Summary of the Remedial Investigation/RCRA Facility Investigation

To evaluate the nature and extent of contamination at the Spaulding Composites Site, and to evaluate remedial alternatives to address this contamination, Spaulding completed both a Remedial Investigation/RCRA Facility Investigation (RI/RFI) and a Feasibility Study/Corrective Measures Study (FS/CMS) at the Site. This was a joint project between the State CERCLA and RCRA programs, with overall NYSDEC management, coordination and oversight provided by CERCLA staff. To satisfy both programs, Spaulding decided to conduct a single investigation of the Site. This investigation was conducted in 4 phases: the first phase was conducted between April and October 1995; the second phase between July and September 1996; the third phase between October and December 1998; and the fourth phase in August 1999. Reports entitled *RCRA Facility Investigation and Remedial Investigation Report* dated September 1998; *Supplemental Remedial Investigation/RCRA Facility Investigation* dated May 24, 1999; and *Limited Groundwater Sampling Program* dated August 30, 1999 were prepared by Spaulding's consultants and describe the field

activities and findings of the RI/RFI in detail.

Based upon the RI/RFI results, in comparison to the standards, criteria and guidance values (SCGs) and potential public health and environmental exposure routes, the 17 SWMUs and AOCs listed in Section 1.3 were identified as requiring remediation. The nature and extent of contamination at Operable Unit 2 is summarized in Table 1-1, which also compares these data with the SCGs for the Site. The following are the media that were investigated at OU2 during the RI/RFI.

1.6.1 Soil

Numerous surface and subsurface soil samples were collected from OU2 during the RI/RFI. Approximately 1,900 cubic yards of surface and subsurface soils at OU2 are extensively contaminated with PCBs, with 83% of the surface soil samples and 45% of the subsurface soil samples containing PCBs at concentrations that exceed the SCGs. Concentrations of PCBs range from non-detect (ND) to 144,000 ppm (Table 1-1). Surface soils at this operable unit are also contaminated with dichlorobenzene, toluene, ethylbenzene and zinc at concentrations that exceed the SCGs. In addition to PCBs, trichlorobenzene, phenol, cresols, di-n-butylphthalate and zinc were also detected in subsurface soils at concentrations that exceed the SCGs.

1.6.2 Sediments

Sediment samples from the drainage ditch adjacent to the Therminol Building (SWMU 38) and the "U" shaped Settling Lagoon (SWMU 12) were not collected during the RI/RFI. PCB contaminated sediments were removed from the K-Line storm sewer in June 1993 as discussed in Section 1.5. Sediments were not found in the off-site storm sewer along Gibson Street so samples could not be collected for analysis.

1.6.3 Groundwater

One overburden monitoring well (OW-11) was installed in the vicinity of SWMU 11, and was sampled on two occasions during the RI/RFI. Carbon disulfide (45 µg/l), 1,1-dichloroethane (1.4J µg/l), cis-1,2-dichloroethene (1.3J µg/l), bis(2-ethylhexyl)phthalate (5.6 µg/l) and zinc (520 µg/l) were detected during the first sample round (Table 1-1). None of these concentrations, however, exceeded groundwater standards. Only zinc (183 µg/l) was detected during the second

sample round (Table 1-1) at a concentration below the groundwater standard.

1.6.4 Surface Water

Surface water samples from the drainage ditch adjacent to the Therminol Building (SWMU 38) and the "U" shaped Settling Lagoon (SWMU 12) were not collected during the RI/RFI. Historically, however, PCB contaminated storm water entered the K-Line storm sewer (Figure 1-3). Beginning in early 1993 this water was pumped to an on-site water treatment system before being discharged to the off-site storm sewer. Operation of this system ended on October 11, 2004 when the K-Line sewer was plugged and abandoned in place.

1.7 Summary of the ROD/SOB Remedy for Operable Unit 2

In March 2003 the NYSDEC issued a Record of Decision/Statement of Basis (ROD/SOB) for the Spaulding Composites Site. The elements of the selected remedy for OU2, as presented in the ROD/SOB, are summarized as follows:

- the excavation of PCB contaminated soils associated with three Settling Lagoons, a Former Tank Farm, the Therminol Building and a Former Transformer Explosion Area with disposal at an appropriate facility;
- the excavation will be to contaminant levels consistent with the goal of meeting the TAGM 4046 soil cleanup objectives for PCBs (1 ppm for surface soils; 10 ppm for subsurface soils);
- the backfilling of all excavated areas with clean soils to grade;
- the sampling and analysis of sediment in the K-Line storm sewer to evaluate how much contamination, if any, is present in the sewer. If contaminated, these sediments will be removed and disposed of with the contaminated soil from this operable unit; and
- the continued operation of the on-site water treatment system following the remediation of OU2 until PCBs are no longer detected in K-Line storm sewer waters. Treated water will continue to be sampled and analyzed during this time for compliance with the 65 parts per trillion (ppt) discharge limit for PCBs.

The IRM removal action completed at the Site, and described in this report, is consistent with the remedy presented in the March 2003 ROD/SOB.

1.8 Roles and Responsibilities

The OU2 IRM activities were implemented at the Spaulding Composites Site in two phases, with Phase 1 occurring between January 23, 2004 and June 16, 2005. The NYSDEC retained C&W Environmental, LLC (C&W), a standby investigation and remediation contractor, to complete the Phase 1 IRM. The prime subcontractors retained by C&W during Phase 1 of the OU2 IRM included the following:

- Tonawanda Environmental Corporation (Tonawanda Tank) of Kenmore, New York was utilized to provide transportation services for RCRA-hazardous waste excavated during the Phase 1 IRM;
- Browning-Ferris Industries, Inc. (BFI) of Niagara Falls, New York was utilized to provide transportation and offsite disposal services for non-hazardous waste excavated during the Phase 1 IRM;
- CWM Chemical Services, LLC (CWM) of Model City, New York was utilized for the offsite disposal of RCRA-hazardous waste excavated during the Phase 1 IRM;
- Chautauqua County Landfill of Jamestown, New York was utilized for the offsite disposal of non-hazardous and non-PCB bearing debris generated during the Phase 1 IRM;
- PSC Analytical Services (PSC) of Burlington, Ontario, Canada was utilized to complete offsite analytical testing of potentially clean soil and post-excavation confirmatory samples during the Phase 1 IRM;
- Life Science Laboratories, Inc. (LSL) of Syracuse, New York was utilized to complete offsite analytical testing of post-excavation confirmatory samples when PSC stopped accepting United States business; and
- Niagara Boundary and Mapping Services (Niagara Boundary) of Niagara Falls, New York was utilized to provide surveying services during the Phase 1 IRM.

Phase 2 of the OU2 IRM was implemented between July 21, 2005 and February 9, 2007. The NYSDEC retained C&W to complete the Phase 2 IRM. In December 2005, however, C&W went out of business, so the NYSDEC retained Op-Tech Environmental Services, Inc. (Op-Tech), a standby spill response and containment contractor, to complete the OU2 IRM activities. The prime subcontractors retained by C&W and/or Op-Tech during Phase 2 of the OU2 IRM included the following:

- Buffalo Fuel Corporation (BFC) of Hamburg, New York was utilized to provide transportation services for RCRA-hazardous waste excavated during the Phase 2 IRM;

- LCA Development, Inc. (LCA) of Buffalo, New York, and Carmen M. Pariso, Inc. (Pariso) of Tonawanda, New York were utilized to provide transportation services for non-hazardous waste excavated during the Phase 2 IRM;

- Browning-Ferris Industries, Inc. (BFI) of Niagara Falls, New York was utilized to provide offsite disposal services for non-hazardous waste excavated during the Phase 2 IRM;

- CWM Chemical Services, LLC (CWM) of Model City, New York was utilized for the offsite disposal of RCRA-hazardous waste excavated during the Phase 2 IRM;

- Twin Village Recycling, Inc. of Depew, New York was utilized to recycle metal from the Supertherm Tanks and associated piping;

- Upstate Laboratories, Inc. (Upstate) of East Syracuse, New York was utilized to complete offsite analytical testing of potentially contaminated surface soil and post-excavation confirmatory samples during the Phase 2 IRM;

- Severn Trent Laboratories, Inc. (STL) of Amherst, New York was utilized to complete offsite analytical testing of potentially contaminated surface soil and post-excavation confirmatory samples during the Phase 2 IRM; and

- Wm. Schutt & Associates, P.C. (Schutt & Associates) of Lancaster, New York was utilized to provide surveying services during the Phase 2 IRM.

The OU2 IRM activities were documented by the NYSDEC using photographs and Construction Field Reports, with the NYSDEC providing representatives onsite for the duration of the project.

1.9 Report Organization

This *Final IRM Report for Operable Unit 2* summarizes and documents the OU2 IRM activities implemented by C&W and Op-Tech for the NYSDEC, and has been organized into the following sections:

- Section 1 - Introduction: Provides a brief overview of the OU2 IRM activities completed at the Site, provides a description and background information for the Site, identifies the OU2 IRM remediation goals and discusses how these goals were

achieved, provides a summary of the RI/RFI completed at the Site, provides a summary of the ROD/SOB remedy for OU2, identifies the roles and responsibilities of the entities involved during the performance of the IRM activities, and describes the organization of this Final IRM Report;

- Section 2 - Summary of the Phase 1 IRM for OU2: Summarizes the Phase 1 IRM and restoration activities completed at the Site;

- Section 3 - Summary of the Phase 1 IRM Sampling and Analytical Activities: Summarizes the analytical data obtained from samples collected during the Phase 1 IRM completed at the Site;

- Section 4 - Summary of the Phase 2 IRM for OU2: Summarizes the Phase 2 IRM and restoration activities completed at the Site;

- Section 5 - Summary of the Phase 2 IRM Sampling and Analytical Activities: Summarizes the analytical data obtained from samples collected during the Phase 2 IRM completed at the Site; and

- Section 6 - Conclusions: Summarizes how the IRM activities completed at OU2 achieved the remediation goals described in the ROD/SOB and Section 1.1 of this report.

2.0 Summary of the Phase 1 IRM for OU2

2.1 Pre-Excavation Activities

Prior to mobilizing to the Site to begin excavation activities, numerous activities were completed as part of the Phase 1 IRM. These activities included:

- the removal and disposal of Asbestos Containing Materials (ACM) located in and adjacent to the Therminol Building (Figure 2-1) preparatory to its demolition (see the Asbestos Closeout Report dated April 27, 2004 for details);

- the demolition of the Therminol Building to provide access to the underlying contaminated soils (Figures 2-2 and 2-3). Steel and metal that was not contaminated with ACM was sent to a scrap dealer for recycling (see the Asbestos Closeout Report dated April 27, 2004 for details);

- the demolition of the Baghouse Dust Building to provide access to the underlying contaminated soils (Figures 2-1, 2-2, 2-4 and 2-5). Steel and metal that was not covered with foam insulation was sent to a scrap dealer for recycling. Foam covered steel and metal, along with the filter bags, were placed in rolloffs and transported to Chautauqua County Landfill for disposal;

- the construction of a temporary on-site water treatment system capable of treating 50 gpm of contaminated water to supplement the existing on-site water treatment system. The temporary system was utilized to treat contaminated water from the Spauldite Sheet basement (Figure 2-1), the Therminol Building sump (Figure 2-1), the "U" shaped Settling Lagoon (SWMU 12; Figure 2-1), potentially contaminated water from the Boiler House pit (Figure 2-1), and a series of dewatering pipes installed in excavation areas (Figure 2-6). Water that potentially contained NAPL was first pumped through two 1500 gallon poly tanks for NAPL decanting prior to being discharged to the Spauldite Sheet basement. This activity was completed to dewater the excavation areas, to the extent practicable, to lower excavation and disposal costs, and to gain access to the Spauldite Sheet basement to collect sludge samples;

- the completion of a Geoprobe investigation in the vicinity of the Therminol Building (SWMU 38), in the "U" shaped Settling Lagoon (SWMU 12), in the Former Tank Farm Area (SWMU 23), and in the Transformer Explosion Area (AOC 48) to better define the extent of contamination requiring remediation. Samples were analyzed for PCBs on-site using the Dexsil L2000 PCB/Chloride analyzer, with select samples submitted to PSC Analytical Services (PSC) for chemical analysis of PCBs. This investigation revealed that the extent of contamination in the "U" shaped Settling Lagoon was significantly larger than identified during the RI/RFI. In addition, the excavated soils, waste and debris from this lagoon would have to be disposed as hazardous waste due to PCB concentrations greater than 50 ppm;

- the construction of a decontamination pad (Figure 2-7) and truck turn around area;

- the clearing and grubbing of brush and debris in the excavation areas to facilitate the IRM removal activities. The concrete saddles in SWMU 23 were removed and temporarily staged on-site;

- the excavation of a new drainage ditch to direct storm water around the SWMU 12 excavation area (Figure 2-8);

- the collection and analysis of composite soil samples from clean soil staged on-site and from the new drainage ditch excavation. These soils, with the exception of iron in three samples, met the Part 375 restricted residential soil cleanup objectives and were utilized as backfill. See Section 3.2 for more details concerning these analytical results;

- the collection and analysis of sludge samples from the Spauldite Sheet basement sump, floor drains and equipment. The analytical results indicated that sludge from the sump and one floor drain was hazardous waste (i.e., PCB concentrations >50 ppm), while sludge in the remaining floor drains and on the equipment was non-hazardous waste (i.e., PCB concentrations <50 ppm). See Section 3.3 for more details concerning these analytical results; and

- the partial clearing of equipment and debris from the Spauldite Sheet basement (Figures 2-9 thru 2-12) to facilitate the removal of sludge from the floor, sump and walls, and the removal of floor drains and associated contaminated backfill. This work was completed during the Phase 1 IRM (see Section 2.6 for details).

2.2 IRM Proposal and Phase 1 IRM Activities

The IRM activities proposed for Operable Unit 2 included the following:

- the removal of concrete pads “A”, “B” and “C”, and the concrete pads associated with the former Therminol and Baghouse Dust buildings (Figure 2-1);

- the excavation and staging of potentially clean soil to gain access to contaminated soil;

- the excavation, transportation and disposal of contaminated soil from 0' to 1' depth that exceeded the 1 ppm TAGM 4046 surface soil cleanup objective for PCBs;

- the excavation, transportation and disposal of soil containing PCBs at concentrations greater than 10 ppm;

- the removal, transportation and disposal of spent carbon lying on poly in the Spauldite Sheet Building;

- the collection and analysis of confirmatory soil samples following the completion of excavation activities;
- the surveying of the final excavation limits and confirmatory sample locations;
- the backfilling of the excavations to grade with clean soils stockpiled on site;
- the cleaning of the K-Line storm sewer from manhole MHE-1 (Figure 2-1) to manhole MHL (near Dodge Avenue) to remove contaminated sediments;
- the removal of the plug near manhole MHD and the re-routing of the K-Line storm sewer from manhole MHE-1 to MHD (Figure 2-1). The K-Line storm sewer will be plugged at manhole MHE-1 and abandoned to manhole MHL;
- the complete removal of equipment, debris and sludge from the Spauldite Sheet basement;
- the removal of floor drains and associated contaminated soil under the Spauldite Sheet basement;
- the completion of air monitoring during excavation activities; and
- the continued operation of the on-site water treatment system following the remediation of OU2 until PCBs are no longer detected in K-Line storm sewer waters.

Phase 1 of the IRM began on January 23, 2004 and was completed on June 16, 2005. The work completed during this phase included the following:

- the removal of concrete pads associated with the former Therminol and Baghouse Dust buildings (Figure 2-1);
- the excavation and backfilling of the "U" shaped Settling Lagoon (SWMU 12) and the Therminol Building area (SWMU 38);
- the removal, transportation and disposal of spent carbon from the Spauldite Sheet Building;
- the collection and analysis of confirmatory soil samples following the completion of excavation activities;
- the surveying of the final excavation limits and confirmatory sample locations;
- the cleaning, plugging and abandonment of the K-Line storm sewer from MHE-1 to manhole MHL (Figure 2-53);

- the complete removal of equipment, debris and sludge from the Spauldite Sheet basement; and
- the shutdown and mothballing of Spaulding's on-site water treatment system.

Specific detail regarding the individual remedial activities completed during Phase 1 of the OU2 IRM is presented below in chronological order.

2.3 SWMU 12 - "U" Shaped Settling Lagoon

2.3.1 Excavation

Excavation activities associated with the Phase 1 IRM began on July 21, 2004 with the excavation of the "U" shaped Settling Lagoon (SWMU 12). Removal activities began in this area for the following reasons:

- all soil and waste within the lagoon was RCRA-hazardous so segregation into several waste types (i.e., hazardous, non-hazardous and clean) was not required;
- concrete pads did not need to be removed prior to excavation;
- subsurface utilities were not expected to be encountered in this area; and
- the waste material in the bottom of the lagoon was visually distinct from the underlying native soils (Figure 2-13), making it easy to determine when the limits of excavation were achieved.

The initial plan was to excavate the lagoon in sections, utilizing the Dexsil L2000 PCB/Chloride analyzer as a guide in determining when the TAGM 4046 soil cleanup objectives were achieved. Soil removal would continue in that section until the Dexsil results were acceptable. At that point, floor and sidewall samples would to be collected and submitted to PSC for chemical analysis of PCBs for compliance with the TAGM 4046 soil cleanup objectives. Due to a delay in receiving Dexsil test kit materials, however, an alternate excavation plan was proposed. Under this plan the entire lagoon would be excavated to a depth of approximately 5.5 feet, or about ½ the total depth of the lagoon. Once this excavation was complete, the Dexsil supplies would be on site so the remaining waste and contaminated soil could be excavated in sections and tested as initially proposed. A modified version of the alternate excavation plan was ultimately implemented.

Excavation of the "U" shaped Settling Lagoon began in the south arm of the lagoon at a test trench previously excavated across the width of the lagoon (Figure 2-14). Soil removal activities began here because the location of the two sidewalls were known. Initially, the lagoon was excavated to a depth of approximately 6 feet over an area about 20 feet wide (the width of the lagoon) and 25 feet long. This excavation exposed about 4 feet of native silty clay along the south wall (outer sidewall) of the lagoon. Because some water was encountered, and knowing that CWM could not accept any PCB-containing material that was saturated, a trench about 2 feet deep was excavated along the east wall of the excavation to evaluate how much water might be encountered when the total depth of the lagoon was excavated. Approximately 7 feet of native soil was exposed along the south wall of the trench. Because water was not encountered in the trench, the NYSDEC field inspector instructed C&W to excavate the 20' x 25' pit to the same depth to expose a larger area of the south wall (Figure 2-15). Material was left along the north wall (inner sidewall) of the excavation to support the truck loading area between the two arms of the lagoon. Once this additional excavation was complete, a sidewall confirmatory sample (LS-1; Figure 2-16) was collected from the center of the south wall at a depth of approximately 5 feet below ground surface (bgs).

Excavation of the south arm of the lagoon continued toward the west until approximately 65 feet of the lagoon had been excavated. Excavation ceased at this point due to the proximity of a utility pole (Figure 2-1) and high voltage, overhead electric lines. Further excavation in this arm would have to wait until Niagara Mohawk (NiMo) personnel evaluated the situation.

Excavation of the "U" shaped Settling Lagoon continued in the western portion of the north arm with the excavation of a trench across the width of the lagoon to delineate the limits of the waste. At this point the trench was expanded to a 20 feet by 10 feet excavation to determine the depth to the bottom of the lagoon (Figure 2-17). The grinding waste in this area was approximately 4.5 feet thick, which was approximately twice the thickness of this waste material in the south arm.

The following morning C&W and NYSDEC personnel met with two NiMo representatives regarding the utility pole. The NiMo representatives informed us that the pole would need to be moved rather than braced, but that excavation could proceed to within 15 feet of the pole. The

NiMo representatives were informed that this distance would allow the excavation of the north and south arms of the lagoon to be completed to their westernmost edges. At this point we would know for certain if the utility pole needed to be moved. In the interim, however, the NiMo representatives agreed to place a work order to move the pole.

Later that morning excavation of the south arm of the lagoon continued to the west. Once the westernmost edge of the arm was identified, it was determined that the excavation of the base of the "U" shaped lagoon could be completed without moving the utility pole. This task was completed during the afternoon of July 27, 2004 (Figure 2-18). Once complete, five confirmatory samples of the floor and sidewalls (LS-3 thru LS-6 and LS-8; Figure 2-16) and two samples of fill material from the outer sidewall below a ditch that transected the lagoon (LS-7 and LS-9; Figure 2-16), were collected and submitted to PSC for analysis. The latter two samples were collected to determine if the ditch required remediation.

On July 28, 2004 excavation activities continued eastward down both arms of the lagoon (Figures 2-19 and 2-20). This excavation was completed to its final width and depth, with floor and sidewall confirmatory samples (LS-10 thru LS-15; Figure 2-16) collected and submitted to PSC for analysis as excavation progressed. Niagara Boundary was on site and surveyed the outer limit of the excavation, the locations of the confirmatory samples, the bottom of the excavation and the toe of the inner and outer sidewalls (Figure 2-21). Subsequent surveying took place as the excavation progressed.

When C&W personnel arrived at the Site on Monday morning, August 2nd, they observed that water had filled the excavation to within 2 feet of the ground surface (Figure 2-22). Pumping of this water to the Spauldite Sheet basement began immediately. A check of the rain gauge on site revealed that 2.05 inches of rain had fallen over the weekend. The excavation was essentially pumped dry by the following afternoon (Figure 2-23).

Excavation of the "U" shaped Settling Lagoon continued throughout the week, alternating between the north and south arms as the excavation progressed eastward. On Friday, August 6th the inflow pipe in the north arm of the lagoon was encountered (Figures 2-16 and 2-24). Water flowed

from this pipe throughout the day, most likely originating from the smaller Settling Lagoon (SWMU 11). This water was pumped to the Spauldite Sheet basement for treatment. Later that day the outflow pipe from the south arm was encountered (Figures 2-16 and 2-25). The remainder of the afternoon was spent completing the excavation of the south arm (Figure 2-26).

Excavation of the north arm, and hence, the entire lagoon, was completed on Monday, August 9, 2004 (Figure 2-27). Once complete, eleven confirmatory samples of the floor and sidewalls (LS-22 thru LS-25 and LS-29 thru LS-35; Figure 2-16), four samples of fill, soil and waste from intercepted ditches (LS-26 thru LS-28 and LS-36; Figure 2-16), and one sludge sample from the end of the inflow pipe (LS-37; Figure 2-16), were collected and submitted to PSC for analysis. The ditch and sludge samples were collected to determine if the ditches and inflow pipe required remediation.

Initially, all RCRA-hazardous soil and waste was direct loaded into trucks (Figure 2-28) and transported to CWM in Model City, New York for disposal. Due to the low number of trucks during the first two days of excavation activities, waste and soil were excavated from the lagoon and stockpiled on unexcavated areas of the lagoon. This stockpile was maintained throughout the duration of the SWMU 12 excavation. All trucks were subsequently loaded from this stockpile until the $250,000 credit limit at CWM was reached on August 2, 2004.

Once the credit limit at CWM was reached, a soil staging pad was constructed with poly and hay bales over the SWMU 23 area (Figure 2-29). The remainder of the hazardous soils and waste from the "U" shaped Settling Lagoon were stockpiled on this pad pending transport and offsite disposal. The stockpiled soils were covered each night with poly and secured with hay bales.

The final limits of the "U" shaped Settling Lagoon are shown on Figure 2-16 along with the locations of the confirmatory samples. The analytical results from the confirmatory samples are discussed in Section 3.7.

2.3.2 Backfilling

Backfilling of the "U" shaped Settling Lagoon (SWMU 12) began on August 10, 2004 after

excavation of the entire lagoon was complete. Backfilling began near confirmatory sample location LS-1 (Figures 2-16 and 2-30) using clean soil staged on site. Backfilling began in this area because the analytical results for the confirmatory samples collected from the eastern end of the north and south arms of the lagoon had not been received from PSC by the time backfilling began.

The clean soil utilized was brought to the Site in 1994 from the housing project across Dodge Avenue and was generated during remodeling activities. This soil was sampled and analyzed by Spaulding in 1994, and resampled and analyzed by the NYSDEC in May 2004 to confirm that it was still suitable for backfill. See Section 3.2 for more detail regarding these sampling events. The clean soil was dumped near the excavation and pushed into it with a rubber-tired backhoe (Figure 2-30). Backfilling progressed toward the west and continued throughout the week of August 8th. Backfilling activities ceased during the week of August 15th, but resumed on August 24, 2004. Backfilling of the "U" shaped Settling Lagoon continued throughout the week and was completed on August 26, 2004 (Figure 2-31) except for the east end of the north and south arms. The south arm could not be completed until the discharge pipe was plugged and the ditch that transected this arm of the lagoon (the Southeast Ditch) was excavated. Likewise, the north arm could not be completed until the inflow pipe was removed and the ditch that transected this arm of the lagoon (the Roadway Ditch) was excavated.

The discharge pipe in the south arm of the lagoon was plugged on August 27, 2004 with clean native silty clay excavated from the new drainage ditch around the SWMU 12 area (Figure 2-32). When C&W personnel arrived at the Site on Monday morning, August 30th, they observed that water had filled the remaining excavation of the north arm to within 3 feet of the ground surface, and the south arm to within 5 feet, following heavy rains Sunday afternoon and Monday morning. A check of the rain gauge on site revealed that 3.3 inches of rain had fallen over the weekend. Later that day water was observed flowing through the clay plug. As a result, more soil was placed in the area of the discharge pipe to stop the flow of water into the K-Line sewer.

Backfilling of the south arm of the lagoon resumed on September 21, 2005 and was completed that day. Additional clean soil, however, was placed in this area on October 29, 2005 during backfilling activities of the southeast ditch to bring this area up to grade. The east end of the

north arm remained open and was backfilled during completion of the Therminol Building Area excavation (see Section 2.12.2 for details).

2.4 Ditch Investigations

The excavation of the "U" shaped Settling Lagoon progressed through several current and former ditches that flowed through the SWMU 12 area (Figure 2-1). While collecting confirmatory samples in the lagoon, samples were also collected of waste, fill and soil/sediment in the ditches to determine if they would also require remediation. Ditch samples LS-9, LS-26 and LS-36 (Figure 2-16) contained PCBs at concentrations above the TAGM 4046 soil cleanup objective, indicating that remediation of these ditches was required.

To determine how much of the ditch associated with sample LS-9 (Northwest Ditch) required remediation, six borings were completed in the ditch by driving a split-spoon sampler to 2 feet depth. Samples were collected from 0.0' - 0.2' depth, 0.5' - 0.7' depth and 1.0' - 1.2' depth, and analyzed with the Dexsil L2000 PCB/Chloride analyzer. Selected samples were submitted to PSC for analysis of PCBs. This investigation determined that the excavation of approximately 40 feet of the ditch to a depth of 1 foot was required. The analytical results from this investigation are discussed in Section 3.4.1.

Sample LS-26 was collected from grinding waste in the large ditch (Southeast Ditch) that transected the south arm of the lagoon (Figures 2-1 and 2-16). Because this waste is easily identified visually, investigation of this ditch prior to excavation was not required.

Sample LS-36 was collected from fill material in the large ditch (Roadway Ditch) that transected the north arm of the lagoon (Figure 2-1). In order to investigate the extent of contamination in this ditch, crushed stone that was placed in the ditch during pre-excavation activities was removed and stockpiled on site for future use. Three borings and one test pit were subsequently completed in this ditch. The borings were completed by driving a split-spoon sampler to 2 feet depth. Samples were collected from various depths based upon visual inspection and analyzed with the Dexsil L2000 PCB/Chloride analyzer. Selected samples were submitted to PSC for analysis of PCBs. This investigation determined that the excavation of approximately 140 feet

of the ditch to a depth of 1.5 feet was required. The analytical results from this investigation are discussed in Section 3.4.2.

2.5 Ditch and Berm Excavations

2.5.1 Southeast Ditch

Excavation of the Southeast Ditch (Figure 2-16) began on Tuesday, August 31, 2004 and was completed on Thursday, September 2, 2004 (Figure 2-33 thru 2-35). This excavation included the removal of grinding waste from the bottom of the ditch, the fill material above it, and a 6 inch corrugated metal pipe and catch basin that historically drained water from the secondary containment structure around a former tank farm (Figure 2-1). Due to the inflow of water from an adjacent drainage ditch, however, not all of the grinding waste could be removed.

On Thursday, September 2, 2004 eleven confirmatory samples of the floor and sidewalls (DS-7 thru DS-17; Figure 2-16) were collected from the Southeast Ditch and submitted to PSC for analysis. One sample of the grinding waste was also collected for analysis to determine if removal of this waste was required. The analytical results from these samples are discussed in Section 3.9.

The analytical results from the grinding waste indicated that the remaining grinding waste needed to be removed. This task was completed on Friday, February 4, 2005. Before the grinding waste was removed, however, most of the Southeast Ditch was backfilled with clean soil (Figure 2-36). This was done to prevent the inflow of water from the adjacent drainage ditch from completely filling the Southeast Ditch excavation. Following excavation, one confirmatory sample from the end wall (DS-63; Figure 2-16) was collected and submitted to Life Science Laboratories, Inc. (LSL) of Syracuse, New York for analysis. The analytical results from this sample are discussed in Section 3.9.

Backfilling of the Southeast Ditch was completed during March 2005. The final limits of this ditch excavation are shown on Figure 2-16 along with the locations of the confirmatory samples.

2.5.2 Northwest Ditch

Excavation of the Northwest Ditch (Figure 2-37) began on Tuesday, August 31, 2004 and

was completed the same day. Approximately 40 feet of this ditch was excavated to a depth of 1 foot (Figure 2-38). The following day six confirmatory samples of the floor and sidewalls (DS-1 thru DS-6; Figure 2-37) were collected and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.8.

The confirmatory sample results indicated that additional soil needed to be excavated from the northern portion of the ditch. This work was completed on Wednesday, September 15, 2004 as part of the Roadway Ditch excavation (see Section 2.5.3 for details). On Monday, September 20, 2004 four confirmatory samples of the floor and south sidewalls (DS-18 thru DS-21; Figure 2-37) were collected and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.8.

The confirmatory sample results indicated that additional excavation of the northern portion of the Northwest Ditch was required. This work was completed on Wednesday, October 6, 2004 (Figure 2-39). On Friday, October 8, 2004 one confirmatory sample of the floor (DS-39; Figure 2-37) was collected and submitted to PSC for analysis. The analytical results from this sample is discussed in Section 3.8.

The final limits of the Northwest Ditch excavation are shown on Figure 2-37 along with the locations of the confirmatory samples.

2.5.3 Roadway Ditch

Excavation of the Roadway Ditch (Figure 2-37) began on Wednesday, September 15, 2004 and was completed on September 17, 2004. Approximately 140 feet of this ditch was excavated to a depth of about 1.5 feet. The excavated soils were staged on poly in the SWMU 11 area for future analytical testing and disposal.

On Monday, September 20, 2004 ten confirmatory samples of the floor and south sidewall (DS-22 thru DS-31; Figure 2-37) were collected from the Roadway Ditch and submitted to PSC for analysis. Six additional samples of black cinders and ash under the north sidewall of the ditch excavation (DS-32 thru DS-37; Figure 2-37) were also collected for analysis. The analytical results

from these samples are discussed in Section 3.10.

The confirmatory sample results indicated that additional excavation of the Roadway Ditch was required. This work began on Wednesday, October 6, 2004 at the Northwest Ditch and progressed toward the west along the road. Grinding waste was encountered at a depth of about 7 feet below ground surface, and was approximately 1 foot thick in the center of the ditch. Due to the presence of the field trailer, the grinding waste could not be completely removed; a 2-inch thick layer of this waste remains at the western limit of the excavation (Figure 2-40). A sample of this material (DS-38; Figure 2-37) was collected for analysis to determine if removal of this waste was required. The analytical results from this sample are discussed in Section 3.5.1.

Excavation of the Roadway Ditch continued toward the east and eventually connected with the Therminol Building excavation (Figure 2-41; see Section 2.12 for details). To maintain access for the dump truck, both excavations were completed simultaneously and continued to progress in an eastward direction. Confirmatory samples (DS-40 thru DS-54; Figure 2-37) were collected as the excavation progressed and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.10.

Grinding waste was encountered in the Roadway Ditch throughout its entire length up to the small Settling Lagoon (SWMU 11). At a location just west of the K-Line sewer, a second 24-inch concrete sewer was encountered. This pipe was completely removed during the excavation activities. Sewer maps of the facility indicate that this sewer originated in SWMU 11, and apparently discharged grinding waste into the Roadway Ditch. The sewer maps also indicate that this ditch traversed the west end of the facility, curved around the building to parallel Dodge Avenue, and discharged into the Gibson Street storm sewer. As a result, future investigation of this ditch will be required to determine the nature and extent of contamination, if any.

During the excavation of the Roadway Ditch the 6-inch diameter clay tile pipe that originated from manhole MHE-2 and discharged to the “U” shaped Settling Lagoon was also encountered (Figure 2-1). NAPL was observed flowing from the pipe, and the Dexsil L2000 PCB/Chloride analyzer confirmed that the NAPL was a RCRA hazardous waste (i.e., PCB concentrations >50

ppm). As a result, this pipe was completely removed on Thursday, October 12, 2004. The following day three confirmatory samples from the floor and east wall (berm) of the trench (DS-47 thru DS-49; Figure 2-37) were collected and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.10.

Excavation of the Roadway Ditch was completed on Thursday, October 21, 2004. The remaining confirmatory sample (DS-55; Figure 2-37) was also collected that day and submitted to PSC for analysis. The analytical results from this sample are discussed in Section 3.10.

By this time confirmatory sample results from the western portion of the Roadway Ditch were received from PSC and indicated that additional soil from the floor of the trench and north wall of the Roadway Ditch needed to be removed. As a result, excavation of the trench floor began on Friday, October 22, 2004 (Figure 2-42). Excavation of the north wall of the Roadway Ditch was not completed at this time because there was no truck access to this area of the excavation.

During excavation of the trench, NAPL was encountered at a depth of approximately 8 feet bgs. As a result, it was decided to excavate as much NAPL contaminated soil as possible, given the constraints imposed by the presence of the natural gas pipeline (Figure 2-42). This work began on Monday, October 25, 2004 and was completed on Wednesday, October 27, 2004 (Figure 2-43).

Following the excavation of the trench, four confirmatory samples from the floor and sidewalls (DS-56 thru DS-59; Figure 2-37) were collected and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.10.

The final excavation of the Roadway Ditch was completed on Friday, February 4, 2005 when additional soil was removed from the north wall. Following excavation, one confirmatory sample from this area (DS-60; Figure 2-37) was collected and submitted to LSL for analysis. The analytical results from this sample are discussed in Section 3.10.

The final limits of the Roadway Ditch excavation are shown on Figure 2-37 along with the locations of the confirmatory samples.

2.5.4 Berm

By Thursday, October 21, 2004 the confirmatory sample results from the trench excavated across the berm were received from PSC and indicated that the entire berm needed to be removed. As a result, excavation of the berm began on Friday, October 22, 2004 (Figure 2-44). Later that day approximately 1½ feet of fill material was removed from the berm. Two samples were collected and analyzed with the Dexsil L2000 PCB/Chloride analyzer. The results from this analysis indicated that additional soil from the berm needed to be removed. This activity was completed on Monday, October 25, 2004. The following day three confirmatory samples (BS-1 thru BS-3; Figure 2-37) were collected from the berm area and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.11.

2.6 Spauldite Sheet Basement

Partial clearing of equipment and debris from the Spauldite Sheet basement was completed during the pre-excavation activities (Section 2.1). This work resumed on August 24, 2004. The initial work was the pressure washing of the walls to remove potentially flammable deposits. This was completed to enable the use of a cutting torch to remove the remaining piping and equipment that could not be cut with a reciprocating saw. This work was completed by a single laborer in two days while backfilling of the "U" shaped Settling Lagoon was completed.

On Friday, August 27, 2004 a full crew of laborers worked in the basement removing most of the remaining equipment, drums and debris. One rolloff was filled, with the remaining material staged near the Therminol Building until additional rolloffs were brought to the Site (Figures 2-45 and 2-46). Sludge from the basement was also staged in this area.

When C&W personnel arrived at the Site on Monday morning, August 30th, they observed that the basement contained 17 inches of water that had accumulated from the heavy rains over the weekend. As a result, work in the basement ceased until Thursday, September 2nd when the water was pumped down enough for work to resume. This work consisted of the removal of the remaining piping, debris and sludge. Sludge from seven sumps was also removed with a vac truck, which was emptied onto the contaminated soil stockpile. All work in the basement was completed on Wednesday, September 8, 2004 (Figure 2-47).

2.7 Additional Investigations

2.7.1 SWMU 11 - Small Settling Lagoon

In order to find the upper end of the inflow pipe to the "U" shaped Settling Lagoon, fill material was excavated from the small Settling Lagoon (SWMU 11) on August 9, 2004. The limits of this excavation are shown on Figure 2-48. The fill material encountered consisted predominantly of blue-green slag although cinders, ash and reworked silty clay were observed in the western portion of the lagoon. These latter materials appeared oily in nature, so it was decided to collected samples for analysis with the Dexsil L2000 PCB/Chloride analyzer. Selected samples were also submitted to PSC for analysis of PCBs. This investigation determined that although the blue-green slag contained PCBs, it was considered non-hazardous. The cinders, ash and reworked silty clay, however, contained PCBs at hazardous concentrations (i.e., PCB concentrations greater than 50 ppm). The analytical results from this investigation are discussed in Section 3.5.1.

Three surface soil samples (SS-1 thru SS-3; Figure 2-37) were also collected in the SWMU 11 area and submitted to PSC for analysis of PCBs. This investigation determined that surface soil near this lagoon was considered non-hazardous, but contained PCBs at concentrations requiring removal. The analytical results from these samples are also discussed in Section 3.5.1.

2.7.2 Button Ash

When removing soil from the clean soil stockpile, fill material was observed across the surface of the entire area (Figure 2-49). This fill material consisted predominantly of rust colored ash containing numerous buttons with some fibre fragments and black coal ash (Figure 2-50). On Friday, August 27, 2004 this fill material was scraped down to the native silty clay soil to the extent practicable with a backhoe and stockpiled in this area of the Site (Figure 2-51). On September 14, 2004 one composite sample of the button-ash stockpile was collected and sent to PSC for analysis to determine the nature of contamination in this material. The analytical results from this sample are discussed in Section 3.5.2.

2.7.3 Hinds Street and Soil Stockpile Investigation

By Friday, October 29, 2004 it was elucidated that there would not be enough material in the clean soil stockpile to completely backfill the remaining excavations. While additional backfill

would be generated during grading of the "U" shaped Settling Lagoon area to promote storm water runoff from the road to the new ditch, it was uncertain if enough soil would be generated. As a result, it was decided to investigate a second soil stockpile near the one being utilized as backfill, and to investigate the area between the new ditch and Hinds Street to determine if these soils could also be utilized as backfill.

In preparation for the Hinds Street investigation a 200' x 300' grid was staked at 100' intervals between the new ditch and Hinds Street (Figure 2-52). At its closest point the grid system was approximately 20 feet from the fence that delineates the western edge of the property. On Friday, October 29, 2004 one test pit was completed at each stake (12 test pits total) to a depth of approximately 3 feet bgs. Samples were collected from each test pit and submitted to PSC for analysis. The analytical results from this investigation are discussed in Section 3.2.3.

On the same day four randomly spaced test pits were completed in the second soil stockpile. Each test pit was completed to the original ground surface so the depths varied within and between the test pits. Samples were collected from each test pit and submitted to PSC for analysis. The analytical results from this investigation are discussed in Section 3.2.1.

2.8 Concrete Removal

Five concrete pads were located within the limits of the excavation at SWMUs 23 and 38 (Figure 2-1). During Phase 1 of the OU2 IRM the concrete pads associated with the former Therminol and Baghouse Dust buildings were removed to facilitate excavation activities. Concrete pad "A" did not need to be removed as the soil below this pad did not contain PCB concentrations above the TAGM 4046 soil cleanup objectives. Concrete from the former Therminol Building was heavily contaminated with oil suspected of containing high concentrations of PCBs. As a result, this concrete was broken up into smaller pieces and disposed of with the RCRA-hazardous soil. Concrete from the Baghouse Dust building and the concrete saddles from the Former Tank Farm Area (SWMU 23) was uncontaminated so it was broken up into smaller pieces and transported to Swift River Associates in the Town of Tonawanda, New York for recycling.

2.9 Drums and Containers

Approximately 475 drums on site were utilized for the storage of water from the Spauldite Sheet basement when PCBs were discovered in the sump in 1992. After Spaulding built their first treatment system, water in these drums was reportedly pumped through the system for treatment. During a partial drum inventory of the Site during the Phase 1 OU2 IRM, many of these drums were found to contain water. As a result, beginning on Thursday, September 9, 2004 and continuing through Thursday, September 14, 2004 water from these drums was dumped into the K-Line sewer at manhole MHE-1 (inside the building; Figure 2-1) and treated through Spaulding's water treatment system.

Approximately 200 additional drums were found throughout the Site. Many of these drums were empty, while others contained garbage, soil cuttings from the RI/RFI, miscellaneous debris, motor oil, grease, and unknown liquids and solids. All garbage was removed from the drums and bagged for later disposal, while the soil cuttings were dumped onto one of the contaminated soil stockpiles. All drums containing liquids were transported and staged at one of three loading docks for future testing, transport and disposal.

In total, 686 empty drums were transported to BFI in Niagara Falls, New York; Chautauqua County Landfill in Jamestown, New York; and Op-Tech Environmental Services (Op-Tech) Used Oil Transfer, Storage and Processing Facility in Waverly, New York for disposal. Nineteen drums of oil were transported to American Ref-Fuel in Niagara Falls, New York for disposal.

In addition to drums, numerous containers of chemicals and miscellaneous materials that represented potential fire and exposure hazards were observed throughout the many buildings on the Spaulding property. As a result, the NYSDEC determined that these containers should be collected and stored in a secure on-site building pending characterization and disposal. The collection of these containers began on Monday, February 28, 2005 and was essentially complete by Monday, March 7, 2005. A few remaining containers and drums were collected and secured on Wednesday, May 4, 2005 and Monday, June 6, 2005.

On Wednesday, June 29, 2005 C&W, with the help of Tonawanda Tank, began

characterizing, segregating and packing the containers for disposal. In total, two 1-cubic yard boxes, four 55-gallon drums and three 5-gallon pails were produced from these materials. These containers were subsequently repackaged by Op-Tech and transported to Cycle Chem in Lewisberry, Pennsylvania on April 11, 2006 and May 11, 2006 for disposal. Lane Fire & Safety picked up approximately 40 fire extinguishers for disposal on April 21, 2006.

2.10 Former Tank Farm Fuel Lines

Four fuel lines from the former fuel oil tank farm located south of the "U" shaped Settling Lagoon (Figure 2-1) were encountered during the excavation of the Southeast Ditch (Figures 2-16 and 2-34). When attempting to bend these pipes into the excavation to facilitate backfilling activities, one of them broke and spilled petroleum into the excavation. Absorbant pads and booms were immediately placed in the excavation to soak up this material.

On Monday, September 20, 2004 C&W utilized a vac truck to remove petroleum and water from the four lines. The water was drained into the Spauldite Sheet basement for eventual treatment through the temporary water treatment system, while the petroleum was placed into drums for future disposal. The pipes were cut off with a reciprocating saw near the sidewall of the excavation and sealed with duct tape (Figure 2-35).

2.11 K-Line Sewer Cleaning and Plugging

On Tuesday, September 21, 2004 the John W. Danforth Service Company (Danforth) began cleaning the K-Line sewer from manhole MHE-1 to manhole MHL (Figure 2-53). As the sewer was being flushed with high pressure water, the water and sediment was removed from the sewer by C&W with their vac truck. The water was drained into the Spauldite Sheet basement for eventual treatment through the temporary water treatment system, while the sediment was dumped onto one of the contaminated soil stockpiles.

The following morning Danforth returned to the Site to video the sewer. This was done to not only evaluate the effectiveness of the cleaning but to determine if there were any laterals into the sewer. The video showed that there was still gravel and sediment in the sewer, but it also showed three laterals entering this section of the K-Line sewer: two roof drains and one 6-inch drain

line from the sump in the Locker Room (Figure 2-53). Instead of cleaning the sewer further, it was decided to divert the two roof drains from the sewer, plug the Locker Room sump and simply plug both ends of the sewer to segregate it from the K-Line sewer system. This plugging would take place where the sewer exited the building near the former Therminol Building and at manhole MHF near Dodge Avenue (Figure 2-53).

On Monday, September 27, 2004 Danforth returned to the Site to clean the K-Line sewer between manhole MHL and manhole MHF, and another 24-inch concrete sewer that discharged into the vault associated with manhole MHL (Figure 2-53). This second sewer, however, was found to be plugged approximately 20 feet from the vault. The original plan was for C&W to steam clean the vault and then remove the plug installed by Spaulding when their treatment system was built. Based upon the extent of oil on the surfaces of the vault, it was suspected that the vault could never be cleaned well enough for water entering the vault to meet the 65 ppt discharge limit for PCBs. As a result, it was also decided to fill the vault with concrete to abandon it.

On Tuesday, September 28, 2004 the NYSDEC field inspector began plugging the K-Line sewer with bricks and mortar where it exited the building near the former Therminol Building. This work was finished on Friday, October 1, 2004 (Figure 2-54) and was completed to prevent water that entered the sewer from flowing into the excavation. Due to the presence of NAPL in the bedding material surrounding the sewer, and to produce a more permanent plug, concrete was poured around the end of the sewer on Friday, June 10, 2005 (Figures 2-55 thru 2-57). This work was delayed until June 2005 because the roadway needed to be rebuilt to allow access by a concrete truck.

On Friday, October 1, 2004 manholes MHE, MHF and the Locker Room sump (Figure 2-53) were filled with concrete to plug the K-Line sewer. Manhole MHE was completely filled with concrete, while manhole MHF and the sump were only partially filled. On the following Friday another pour of concrete nearly filled manhole MHF while approximately ⅔ of the vault was filled. Manhole MHF, the vault and the Locker Sump were completely filled with concrete on Monday, October 11, 2004. With the completion of this work, the operation of Spaulding's on-site water treatment system officially ceased. In December 2004 the system was drained and mothballed.

2.12 SWMU 38 - Therminol Building Area

2.12.1 Excavation

As part of the K-Line sewer cleaning an area was excavated around the sewer near the former Therminol Building for the purpose of severing the pipe. Once this portion of the sewer was cleaned and videotaped, excavation in this area continued during the afternoon of September 23, 2004 and progressed in a southward direction from the Spauldite Sheet Building between the Locker Room and the sump in the former Therminol Building (Figure 2-37). Because the sump was constructed on top of the native silty clay deposit it was left in place. Excavation progressed to the approximate location of the south wall of the former Therminol Building.

The following day five confirmatory samples of the floor and sidewalls (TS-1 thru TS-5; Figure 2-37) were collected from the Therminol Building excavation and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.12.

While excavating this area an exterior drain line along the Spauldite Sheet Building was severed and leaked water into the excavation for four days without stopping. To stop the flow of water it was decided to dig a test pit at the corner of the Spauldite Sheet basement and stairwell to sever the pipe at that location. This pit would then be backfilled with native silty clay to plug the drain line. Near the base of the pit a large quantity of NAPL was encountered within the crushed stone backfill (Figures 2-58 and 2-59). As a result, it was decided to excavate the soil and crushed stone between the basement wall and Therminol sump, and to excavate all NAPL filled crushed stone along the basement stairwell. This work was completed on Monday, October 4, 2004 (Figures 2-60 and 2-61). Unfortunately, NAPL was observed in the crushed stone under the building housing one of the Supertherm Tanks (Figure 2-61) so excavation could not proceed in this area. A sample of the NAPL contaminated crushed stone (TS-33; Figure 2-37) was subsequently collected to document the level of contamination under the building. The analytical results from this sample are discussed in Section 3.12.

On Tuesday, October 5, 2004 seven confirmatory samples of the floor and sidewalls (TS-6 thru TS-12; Figure 2-37) were collected from the Therminol Building excavation and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.12.

At this point excavation progressed to the south with the stripping off of approximately one foot of fill material overlying the native silty clay (Figure 2-62). At the same time excavation of backfill along the west wall of the Therminol Building sump was also removed down to the native silty clay. Excavation continued in a southward direction until the Roadway Ditch was encountered (Figure 2-41). Confirmatory samples TS-13 thru TS-15 (Figure 2-37) were collected from this area and submitted to PSC for analysis. The analytical results from these samples are discussed in Section 3.12.

When excavating near manhole MHE-2 (Figure 2-53) NAPL was again encountered. Not only was NAPL observed in the bedding material around the manhole and the discharge pipes, it was also observed in the vertical desiccation cracks in the native silty clay (Figure 2-63). This phenomenon was subsequently observed in a large portion of the remaining Therminol Building excavation.

The area around manhole MHE-2 was subsequently excavated to a depth of approximately 20 feet bgs in an attempt to remove all the NAPL (Figures 2-37 and 2-64). NAPL, however, was still observed at this depth in the desiccation cracks but in far smaller quantities. A discussion with the NYSDEC Central Office project manager ensued and it was decided, based upon the depth of the excavation and absence of groundwater, that deeper excavation would not be required. Samples of the floor and sidewalls (TS-16 thru TS-20; Figure 2-37) were collected and submitted to PSC for analysis to document the extent of PCB contamination left in place. The analytical results from these samples are discussed in Section 3.12.

Excavation of the Therminol Building area continued toward the east with the floor of the excavation at a depth of about 15 feet bgs (Figures 2-37 and 2-64). The excavation sloped upward toward the south where it commingled with the Roadway Ditch excavation, and stepped up to a depth of approximately 8 feet bgs in front of the Cafeteria (Figures 2-37 and 2-65). The excavation remained at this depth from the Cafeteria southward to the 24-inch inflow pipe that connected the small Settling Lagoon (SWMU 11) with the “U” shaped Settling Lagoon (SWMU 12). Removal of this pipe began on Thursday, October 21, 2004 and was completed the following day. This became the southern limit of the Therminol Building excavation (Figure 2-66). Confirmatory

samples of the floor and sidewalls were collected as the excavation progressed, with the final confirmatory samples (TS-29 thru TS-33; Figure 2-37) collected on Friday, October 22, 2004. The analytical results from these samples are discussed in Section 3.12.

The east wall of the excavation contained grinding waste associated with SWMU 11 (Figure 2-67). Black cinders and ash were also observed (Figures 2-66 and 2-67). Although these wastes would be excavated during Phase 2 of the OU2 IRM, samples of each waste type were collected and submitted to PSC for analysis to determine the nature of contamination in these materials. The analytical results from these samples are discussed in Section 3.5.1.

The final limits of the Therminol Building excavation are shown on Figure 2-37 along with the locations of the confirmatory samples.

2.12.2 Backfilling

Backfilling of the Therminol Building Area, Roadway Ditch and Northwest Ditch began on Friday, October 29, 2004 after confirmatory sample results indicated that the TAGM 4046 soil cleanup objective for PCBs had been achieved. Backfilling began in the eastern portion of the excavation because the natural gas pipeline prevented truck access to other portions of the excavation. Clean soil was initially dumped at the end of the paved roadway and pushed into the excavation with a rubber-tired backhoe (Figure 2-68). Once backfilling around the natural gas pipeline was complete, clean soil was dumped along the southern edge of the excavation and pushed into it with the backhoe (Figures 2-69 and 2-70). Backfilling activities continued in this way until Friday, November 19, 2004 when efforts were shifted to load out RCRA-hazardous soils from the stockpile for transport to CWM for disposal. Additional backfilling activities took place on February 2 and 3, 2005, March 7 thru 11, 2005 and June 16, 2005.

The clean soils utilized for backfill initially included excavated soils from the new drainage ditch constructed around SWMU 12 and soils from the Hinds Street area. When rainy weather precluded truck access to these soils, soils from the clean soil stockpile at the south end of the facility were utilized for backfill.

2.12.3 Roadway Replacement

The paved roadway between SWMUs 12 and 38 (Figure 2-1) was removed during the excavation of the Roadway Ditch and Therminol Building area. On Monday, June 6, 2005 C&W began construction of a gravel roadway between the two remaining asphalt roads to maintain vehicle access around the Site. This work was completed on Thursday, June 9, 2005 (Figure 2-71).

2.13 Spent Carbon Removal

A large quantity of spent carbon was located on poly inside the Spauldite Sheet Building. This material originated from Spaulding's waste water treatment system; spent carbon generated during carbon changeout was placed on poly and allowed to dry prior to disposal. On Wednesday, January 12, 2005 this material was removed from the Spauldite Sheet Building using a Bobcat. The floor was subsequently swept clean (Figure 2-72). The spent carbon was placed on the contaminated soil stockpile, which was ultimately transported to CWM in Model City, New York for disposal (see Section 2.15 for details).

2.14 Air Monitoring

Air monitoring during the Phase 1 IRM excavation was conducted between July 21 and August 10, 2004 and included air monitoring within the work area, as well as air monitoring along the perimeter of the Site at one upwind and one downwind location. The air monitoring program consisted of collecting fugitive dust data using a DataRam, and volatile organic vapor data using a PID. The upwind and downwind air monitoring meters ran continuously, with audible alarms activated to warn of any potential hazardous situations. Data was logged on the meters every 15 minutes and recorded by C&W personnel every ½ hour. No exceedances were documented during this monitoring period so air monitoring was discontinued. The air monitoring data are summarized in Appendix A.

2.15 Transportation and Offsite Disposal

Waste characterization sampling and analysis were completed during the Geoprobe investigation conducted in 2004. Based upon the analytical results, it was determined that the soil and waste materials were both non-hazardous and RCRA-hazardous solid waste. The waste characterization data indicated that while none of the samples exceeded the Toxicity Characteristics

Leaching Procedure (TCLP) regulatory limits, many of the samples exceeded the 50 ppm regulatory limit for PCBs. It was necessary, therefore, for these soils and wastes to be managed as RCRA-hazardous waste.

Prior to implementing the OU2 IRM, C&W prepared the appropriate waste profile application for each waste stream. The waste profile application and waste characterization sampling results for the non-hazardous soil were submitted to several landfills to obtain approval and cost estimates for disposal. BFI in Niagara Falls, New York was selected for the disposal of these soils. In addition, BFI was also utilized to dispose of asbestos containing materials from the Therminol Building demolition, PCB contaminated debris from the Spauldite Sheet basement and empty 55-gallon drums. Debris generated during demolition of the Baghouse Dust Building was transported to Chautauqua County Landfill in Jamestown, New York for disposal. A total of approximately 116 tons of non-hazardous materials were transported to BFI and Chautauqua County Landfill for disposal during the Phase 1 IRM (Table 2-1).

The waste profile application and waste characterization sampling results for the RCRA-hazardous soil were submitted to CWM in Model City, New York to obtain approval for disposal. CWM was selected due to their close proximity to the Site and because they were only one of three landfills east of the Mississippi River that could accept PCB hazardous waste. A total of approximately 11,500 tons of RCRA-hazardous soil was transported to CWM for disposal during the Phase 1 IRM (Table 2-2).

3.0 Summary of the Phase 1 IRM Sampling and Analytical Activities

3.1 General

This section describes the analytical data obtained from samples collected during the Phase 1 IRM completed at the Spaulding Composites Site. These samples include clean soil stockpiled on site that was utilized as backfill, soil excavated from the new drainage ditch, waste samples, sludge samples from the Spauldite Sheet basement, confirmatory samples from the excavations, and samples collected during additional investigations completed as part of the project.

Analytical results were evaluated against the restricted residential soil cleanup objectives of Table 375-6.8(b) contained in the December 2006 NYSDEC publication entitled "*6NYCRR Part 375: Environmental Remediation Programs*". For contaminants not included in Part 375, the soil cleanup objectives identified in the October 1995 NYSDEC publication entitled "*Technical and Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels*" were utilized. When utilized, the soil cleanup objectives for individual volatile organic compounds were taken directly from Table 1 of the TAGM, while the soil cleanup objectives for semivolatile organic compounds were taken directly from Table 2. For metals, TAGM 4046 allows the use of background concentrations so long as the background samples are collected from areas not impacted by the site and any other source of contaminants. As a result, the background concentration for iron was taken from the July 1997 RI/RFI report for the Spaulding Composites Site, while the background concentration for antimony was taken from Shacklette and Boerngen (1984) and represents the background value for the Eastern United States. The regulatory limits for the hazardous waste characteristics were obtained from the January 1995 NYSDEC publication entitled "*6 NYCRR Part 371: Identification and Listing of Hazardous Wastes*".

3.2 Backfill Soil

3.2.1 Clean Soil Stockpiles

The initial soil that was utilized as backfill was brought to the Site in 1994 from a housing project near the Site. This soil was generated during remodeling activities, and was accepted by Spaulding to be utilized in the future as backfill. This soil consisted predominantly of reddish brown silty clay but also contained topsoil and some fragments of concrete and other demolition debris.

This soil was sampled and analyzed in 1994, and resampled and analyzed in May 2004 to confirm that it was still suitable for backfill. During the May 2004 sampling event, five discrete samples were collected from 0.5 feet depth and composited into a single sample. This sample was submitted to PSC for analysis of Target Compound List (TCL) volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL pesticides using USEPA Method 8081, TCL PCBs using USEPA Method 8082 and hazardous metals using USEPA Method 6010.

The analytical results from the 1994 (SC-419) and 2004 (SSC-A) samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-1. These results indicate that only iron (in both samples) exceeded the site background concentration for this contaminant. Since there are no Part 375 soil cleanup objectives for iron, this soil was determined to be acceptable for use as backfill.

On Friday, October 29, 2004 a second soil stockpile was investigated to determine its suitability as backfill. Like the stockpile discussed above, it was believed that this second stockpile also came from the housing project near the Site. Four randomly spaced test pits were completed to facilitate sampling. These test pits revealed that the stockpile consisted predominantly of reddish brown silty clay but also contained topsoil, crushed stone, concrete slabs and other demolition debris. A composite sample was collected from the excavated soil of each test pit and placed in baggies. The samples from each test pit were subsequently composited into a single sample and submitted to PSC for analysis of TCL volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL pesticides using USEPA Method 8081, TCL PCBs using USEPA Method 8082 and Target Analyte List (TAL) metals using USEPA Method 6010.

The analytical results from this sample (SP-10) were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-1. These results indicate that several organic and inorganic compounds were detected in the sample. None of the contaminants, however, were detected at concentrations that exceeded the Part 375 restricted residential soil cleanup objectives. As a result, this soil was determined to be acceptable for use as backfill.

3.2.2 New Ditch Soil

Soil excavated from the new ditch constructed around SWMU 12 was placed in piles near the ditch as excavation progressed. These piles were sampled and analyzed in May 2004 to determine if the soil was suitable for backfill. On May 20, 2004 ten composite samples were collected, one from each pile, and placed in baggies. These samples were further composited to produce six samples as follows:

SP-1: piles 1 thru 3;

SP-2: piles 4 and 5;

SP-3: piles 6 and 7;

SP-4: pile 8;

SP-5: pile 9; and

SP-6: pile 10.

The six samples were submitted to PSC for analysis of TCL volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL pesticides using USEPA Method 8081, TCL PCBs using USEPA Method 8082 and TAL metals using USEPA Method 6010.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-1. These results indicate that only iron (in one sample) exceeded the site background concentration for this contaminant. Since there are no Part 375 soil cleanup objectives for iron, this soil was determined to be acceptable for use as backfill.

3.2.3 Hinds Street Investigation

On Friday, October 29, 2004 the area between the new ditch and Hinds Street was investigated to determine if these soils were suitable for backfill. In preparation for this investigation a 200' x 300' grid was staked at 100' intervals. One test pit was completed at each stake (12 test pits total) to a depth of approximately 3 feet bgs. The locations of these test pits are shown on Figure 2-52. These test pits revealed that a thin (<6") layer of topsoil overlies native reddish brown silty clay. No fill or waste materials were encountered. A composite sample was collected from the excavated soil of each test pit and placed in baggies. These samples were further composited to produce three samples, each containing the samples from four test pits. The samples

were composited as follows:

SP-7: test pits TP-1 thru TP-4;

SP-8: test pits TP-5 thru TP-8; and

SP-9: test pits TP-9 thru TP-12.

The three composite samples were submitted to PSC for analysis of TCL volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL pesticides using USEPA Method 8081, TCL PCBs using USEPA Method 8082 and TAL metals using USEPA Method 6010.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-1. These results indicate that several organic and inorganic compounds were detected in the samples. None of the contaminants, however, were detected at concentrations that exceeded the Part 375 restricted residential soil cleanup objectives. As a result, this soil was determined to be acceptable for use as backfill.

3.3 Spauldite Sheet Basement

On May 18, 2004 seven samples were collected from the Spauldite Sheet basement - four from floor drains (FD-1 thru FD-4), two from a sump (SMP-1 and SMP-2) and one of an oily substance on the equipment and debris (OSE-1). These samples were collected to determine the extent of PCB contamination in the basement, and were submitted to PSC for analysis of PCBs using USEPA Method 8082.

The analytical results from these samples were compared to the 6 NYCRR Part 371 hazardous waste criteria, and are summarized in Table 3-2. These results indicate that sludge from the sump and one floor drain (sample FD-1) was hazardous waste (i.e., PCB concentrations >50 ppm), while sludge in the remaining floor drains and on the equipment was non-hazardous (i.e., PCB concentrations <50 ppm).

3.4 Ditch Investigations

3.4.1 Northwest Ditch

Confirmatory samples collected from the "U" shaped Settling Lagoon (SWMU 12) indicated that remediation of the Northwest Ditch was required (see Section 3.7 for details). To determine

how much of the ditch required remediation, six borings (D-1 thru D-6) were completed in the ditch by driving a split-spoon sampler to 2 feet depth. Samples were collected from 0.0' - 0.2' depth, 0.5' - 0.7' depth and 1.0' - 1.2' depth, and analyzed with the Dexsil L2000 PCB/Chloride analyzer. These results are summarized in Table 3-3, and indicate that the zone from 0.5'-0.7' depth in samples D-1 thru D-3, and the zone form 0.0' to 0.2' in sample D-6, contained PCBs at concentrations that exceeded the Part 375 restricted residential soil cleanup objective.

Based upon the Dexsil results, selected samples were submitted to PSC for analysis of PCBs using USEPA Method 8082. These results are also summarized in Table 3-3, and confirm that the zone from 0.5'-0.7' depth contained PCBs at concentrations that exceeded the Part 375 restricted residential soil cleanup objective. The sample from this depth in boring D-3 was hazardous (i.e., PCB concentrations >50 ppm).

3.4.2 Roadway Ditch

Confirmatory samples collected from the "U" shaped Settling Lagoon (SWMU 12) indicated that remediation of the Roadway Ditch was required (see Section 3.7 for details). To determine how much of the ditch required remediation, three borings (D-7 thru D-9) were completed in the ditch by driving a split-spoon sampler to 2 feet depth. In addition, one test pit was excavated across the ditch to a depth of 6 feet. Eight samples (D-7 thru D-9, and PS-1 thru PS-4) were collected from various depths in the split-spoon samples and test pit based upon visual inspection, and analyzed with the Dexsil L2000 PCB/Chloride analyzer. These results are summarized in Table 3-4, and indicate that the samples from borings D-7 and D-8 were hazardous (i.e., PCB concentrations >50 ppm).

Based upon the Dexsil results, selected samples were submitted to PSC for analysis of PCBs using USEPA Method 8082. These results are also summarized in Table 3-4, and indicate that the sample from boring D-7 and test pit sample PS-2 contained PCBs at concentrations well above 50 ppm, indicating that these soils were hazardous waste. The sample from boring D-8 contained PCBs at concentrations that exceeded the Part 375 restricted residential soil cleanup objective. Table 3-4 also indicates that the Dexsil and lab results for samples D-8 and PS-2 were extremely inconsistent.

3.5 Additional Investigations

3.5.1 SWMU 11 - Small Settling Lagoon

On August 9, 2004 the western end of the small Settling Lagoon (SWMU 11) was excavated to find the upper end of the inflow pipe that transferred water and sludge to the "U" shaped Settling Lagoon (SWMU 12). The limits of this excavation are shown on Figure 2-48. The fill material encountered in this lagoon consisted predominantly of blue-green slag although cinders, ash and reworked silty clay were observed in the western portion of the lagoon. A sample of the slag (W-1) was collected and submitted to PSC for analysis of TCL volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL pesticides using USEPA Method 8081, TCL PCBs using USEPA Method 8082 and TAL metals using USEPA Method 6010. Samples of the ash, cinders and reworked silty clay (W-2 thru W-5) were also collected and analyzed with the Dexsil L2000 PCB/Chloride analyzer. Based upon the Dexsil results, selected samples (W-2 thru W-4) were submitted to PSC for analysis of PCBs using USEPA method 8082.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-5. The Dexsil result for sample W-5 is also summarized in Table 3-5. These results indicate that the slag (sample W-1) contained both organic and inorganic compounds, with only the concentrations of PCBs and manganese exceeding the Part 375 restricted residential soil cleanup objectives. Table 3-5 also indicates that the ash (samples W-2 thru W-4) and reworked silty clay (sample W-5) were hazardous waste (i.e., PCB concentrations >50 ppm).

Historical sewer maps of the Spaulding facility suggest that grinding waste from the SWMU 11 Settling Lagoon discharged into the Roadway Ditch prior to construction of the "U" shaped Settling Lagoon (SWMU 12). This explains the presence of grinding waste in the Roadway Ditch from SWMU 11 to the western limit of the Roadway Ditch excavation. Due to the presence of the field trailer, however, this grinding waste could not be completely removed. As a result, a 2-inch thick layer of this material remains at the western limit of the excavation (Figure 2-40). A sample of this material (DS-38) was collected and submitted to PSC for analysis. This sample was analyzed for TCL volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL PCBs using USEPA Method 8082 and TAL metals using USEPA Method 6010.

The analytical results from this sample were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-5. These results indicate that several volatile and semivolatile organic compounds were detected, with concentrations of benzene and phenol exceeding the Part 375 restricted residential soil cleanup objectives. PCBs and several inorganic compounds were also detected in this sample, but at concentrations below the Part 375 restricted residential soil cleanup objectives.

The east wall of the Therminol Building area from the Cafeteria to the natural gas pipeline (Figures 2-37 and 2-67) contained grinding waste, ash, cinders, and slag associated with SWMU 11. One sample of the ash (TS-24) and two samples of the grinding waste (TS-25 and TS-28) were collected and submitted to PSC for analysis. The grinding waste samples were analyzed for TCL volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL PCBs using USEPA Method 8082 and TAL metals using USEPA Method 6010. The ash sample was analyzed for TCL PCBs using USEPA Method 8082.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-5. These results indicate that the grinding waste contained several volatile organic and inorganic compounds, but at concentrations below the Part 375 restricted residential soil cleanup objectives. Semivolatile organic compounds and PCBs were not detected in either grinding waste sample. PCBs, however, were detected in the ash sample at a concentration exceeding the Part 375 restricted residential soil cleanup objective.

Three surface samples of ash (SS-1 and SS-2) and cinder fill (SS-3) from the SWMU 11 area (Figure 2-37) were collected and submitted to PSC for analysis of PCBs using USEPA Method 8082. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objective for PCBs, and are summarized in Table 3-6. These results indicate that the two ash samples contained PCBs at concentrations exceeding the Part 375 restricted residential soil cleanup objective.

3.5.2 Button Ash

When removing soil from the clean soil stockpile, button ash was observed across the surface

of the entire area (Figure 2-49). On Friday, August 27, 2004 this fill material was scraped down to the native silty clay soil to the extent practicable with a backhoe and stockpiled in this area of the Site (Figure 2-51). On September 14, 2004 one composite sample of the button ash stockpile was collected and sent to PSC for analysis of TCL volatiles using USEPA Method 8260, TCL semivolatiles using USEPA Method 8270, TCL pesticides using USEPA Method 8081, TCL PCBs using USEPA Method 8082 and TAL metals using USEPA Method 6010.

The analytical results from this sample (W-6) were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-7. These results indicate that several volatile organic compounds were detected in the sample, but at concentrations well below the Part 375 restricted residential soil cleanup objectives. Numerous semivolatile organic compounds including PAHs, phthalates and phenols were also detected in the sample, with the concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, di-n-butylphthalate and indeno(1,2,3-cd)pyrene exceeding the Part 375 restricted residential or TAGM 4046 soil cleanup objectives. PCBs were also detected in this sample at a concentration that exceeded the Part 375 restricted residential soil cleanup objective.

Eighteen inorganic compounds were detected in the button ash sample, with only the concentrations of cadmium, copper and iron exceeding the Part 375 restricted residential soil cleanup objectives or site background concentrations.

3.6 Contaminated Soil Stockpile

By Friday, September 17, 2004 the contaminated soil stockpile area was full. In order to create additional space, the stockpile was widened by extending it to the east. While completing this work, four discrete stockpiles (Stockpile No. 1 thru Stockpile No. 4) were produced, which could easily be sampled. On Thursday, September 23, 2004, two composite samples from each stockpile (SP-1 thru SP-8) were collected and submitted to PSC for analysis of PCBs using USEPA Method 8082. In addition, a fifth stockpile (Stockpile No. 5) consisted of soil and grinding waste excavated from the Southeast Ditch. Based upon samples collected form this ditch during excavation of the "U" shaped Settling Lagoon (SWMU 12), it was suspected that these materials were non-hazardous. As a result, one composite sample of this stockpile (SP-9) was collected on Tuesday, October 12,

2004 and submitted to PSC for analysis of PCBs using USEPA Method 8082.

The analytical results from these samples were compared to the 6 NYCRR Part 371 hazardous waste criteria, and are summarized in Table 3-8. These results indicate that the soil in all five stockpiles was hazardous waste (i.e., PCB concentrations >50 ppm).

3.7 Confirmatory Samples of SWMU 12

Confirmatory samples of the floor and sidewalls of the "U" shaped Settling Lagoon (SWMU 12) were collected as the excavation progressed. All samples, with the exception of the fill material in the ditches that transected the lagoon (LS-7, LS-9, LS-26, LS-27, LS-28, LS-36 and LS-37), were collected from native, reddish brown silty clay. In all, thirty-seven samples (LS-1 thru LS-37) were collected from the SWMU 12 excavation (Figure 2-16) and submitted to PSC for analysis of PCBs using USEPA Method 8082.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-9. These results indicate that all confirmatory samples of the native silty clay soil, with the exception of samples LS-24, LS-31 and LS-33, achieved the Part 375 restricted residential PCB soil cleanup objective. The concentrations of PCBs in samples LS-24 and LS-31, however, achieved the TAGM 4046 subsurface soil cleanup objective of 10 ppm. Sample LS-33 was collected from native silty clay below the Roadway Ditch and contained PCBs at a concentration of 51 ppm. As a result, additional soil from the LS-33 location was removed as part of the Roadway Ditch excavation (see Section 2.5.3 for details).

Table 3-9 also indicates that fill material in the Southwest Ditch (LS-7), the Northwest Ditch (LS-9), the Southeast Ditch (LS-26, LS-27 and LS-28) and the Roadway Ditch (LS-36) contained PCBs at concentrations exceeding the Part 375 restricted residential soil cleanup objective. The concentrations of PCBs in samples LS-7, LS-27 and LS-28, however, achieved the TAGM 4046 subsurface soil cleanup objective of 10 ppm. Due to PCB concentrations that exceeded the TAGM 4046 subsurface soil cleanup objective, additional fill material was excavated as part of the Northwest Ditch, Southeast Ditch and Roadway Ditch excavations (see Section 2.5 for details).

One sample of sludge (LS-37) in the inflow pipe from the small Settling Lagoon (SWMU 11) was collected to determine if this material required removal. The analytical results from this sample were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-9. These results show that the sludge contained PCBs at a concentration of 2,600 ppm, indicating that this material was hazardous waste. Instead of removing the sludge from the pipe, the entire pipe was removed as part of the Roadway Ditch and Therminol Building excavations (see Section 2.12.1 for details).

3.8 Confirmatory Samples of the Northwest Ditch

On Wednesday, September 1, 2004 six confirmatory samples of the floor and sidewalls of the Northwest Ditch (DS-1 thru DS-6; Figure 2-37) were collected and submitted to PSC for analysis of TCL PCBs using USEPA Method 8082. All samples were collected from native, reddish brown silty clay.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-10. These results indicate that all confirmatory samples, with the exception of samples DS-1 and DS-4, achieved the Part 375 restricted residential PCB soil cleanup objective. The concentration of PCBs in sample DS-4, however, achieved the TAGM 4046 subsurface soil cleanup objective of 10 ppm. Sample DS-1 was collected from the floor of the excavation and contained PCBs at a concentration of 110 ppm. As a result, further excavation of the Northwest Ditch was required.

Additional soil from the Northwest Ditch was excavated on Wednesday, September 15, 2004 as part of the Roadway Ditch excavation (see Section 2.5.3 for details). On Monday, September 20, 2004 four confirmatory samples of the floor and sidewalls (DS-18 thru DS-21; Figure 2-37) were collected and submitted to PSC for analysis of TCL PCBs using USEPA Method 8082. Sample DS-18 was collected from the approximate location of sample DS-1.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-10. These results indicate that samples DS-18 and DS-21 contained PCBs at concentrations significantly above the Part 375 restricted

residential soil cleanup objective. Based upon these results, additional soil from the Northwest Ditch was excavated on Wednesday, October 6, 2004. On Friday, October 8, 2004 one confirmatory sample of the floor (DS-39) at the approximate location of sample DS-18 (Figure 2-37) was collected and submitted to PSC for analysis of PCBs using USEPA Method 8082.

The analytical results from this sample were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-10. These results indicate that the PCB concentration in sample DS-39 exceeded the Part 375 restricted residential soil cleanup objective, but only slightly exceeded the TAGM 4046 subsurface soil cleanup objective (11 ppm versus 10 ppm). Recognizing that an environmental easement will be placed on the property following all remediation activities, the NYSDEC decided that additional excavation of the Northwest Ditch was not required.

3.9 Confirmatory Samples of the Southeast Ditch

On Thursday, September 2, 2004 eleven confirmatory samples of the floor and sidewalls of the Southeast Ditch (DS-7 thru DS-17; Figure 2-16) were collected and submitted to PSC for analysis of PCBs using USEPA Method 8082. All samples, with the exception of sample DS-17, were collected from the native, reddish brown silty clay. Sample DS-17 was collected from grinding waste in the south wall of the excavation.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-11. These results indicate that all confirmatory samples of the native silty clay achieved the Part 375 restricted residential PCB soil cleanup objective. Only the sample of the grinding waste (DS-17) contained PCBs at concentrations exceeding the Part 375 restricted residential soil cleanup objective. Because samples of the grinding waste collected from the "U" shaped Settling Lagoon (SWMU 12) prior to remediation contained volatile and semivolatile organic compounds at concentrations that significantly exceeded the Part 375 restricted residential soil cleanup objectives (Table 3-12), the NYSDEC decided to excavate the remaining grinding waste from the Southeast Ditch.

Additional soil from the Southeast Ditch was excavated on Friday, February 4, 2005. One

confirmatory sample from the end wall (DS-63; Figure 2-16) was collected and submitted to Life Science Laboratories, Inc. (LSL) in Syracuse, New York for analysis of PCBs using USEPA Method 8082. The analytical results from this sample were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-11. PCBs were detected in this sample at a concentration that exceeded the Part 375 restricted residential soil cleanup objective, but at a concentration that achieved the TAGM 4046 subsurface soil cleanup objective.

3.10 Confirmatory Samples of the Roadway Ditch

On Monday, September 20, 2004 ten confirmatory samples (DS-22 thru DS-31; Figure 2-37) of native, reddish brown silty clay were collected from the floor and south sidewall of the Roadway Ditch excavation. Six additional samples (DS-32 thru DS-37; Figure 2-37) of black cinders and ash under the roadway (the north sidewall) were also collected to determine if remediation of this material was required. All samples were submitted to PSC for analysis of PCBs using USEPA Method 8082.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-13. These results indicate that PCBs above hazardous waste concentrations (i.e., >50 ppm) remained in the Roadway Ditch (samples DS-24, DS-25, DS-29 and DS-30), and that some of the black cinders and ash under the roadway (samples DS-33 thru DS-35) also contained PCBs above hazardous waste concentrations. As a result, further excavation of the ditch was required.

Additional soil from the Roadway Ditch was excavated between Wednesday, October 6, 2004 and Thursday, October 21, 2004. Confirmatory samples were collected as the excavation progressed. All samples, with the exception of DS-38, DS-43, DS-47 and DS-48, were collected from native, reddish brown silty clay. Sample DS-38 was collected from the grinding waste at the west end of the excavation (Figure 2-37), while samples DS-43, DS-47 and DS-48 (Figure 2-37) were collected from fill material in the berm overlying the natural gas pipeline. In all, seventeen samples (DS-38 thru DS-55; Figure 2-37) were collected from the floor and sidewalls of the Roadway Ditch excavation and submitted to PSC for analysis of PCBs using USEPA Method 8082.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-14. These results indicate that twelve of the seventeen samples achieved the Part 375 restricted residential PCB soil cleanup objective, with thirteen samples achieving the TAGM 4046 subsurface soil cleanup objective. The analytical results from the remaining samples (DS-41, DS-43, DS-48 and DS-49) contained PCBs at concentrations that exceeded the hazardous waste criterion (50 ppm). As a result, excavation of the berm, and additional soil from the floor of the trench and north wall of the Roadway Ditch, was required.

Excavation of the trench floor began on Friday, October 22, 2004 and was completed on Wednesday, October 27, 2004. Four confirmatory samples from the floor and sidewalls (DS-56 thru DS-59; Figure 2-37) were collected and submitted to PSC for analysis of PCBs using USEPA Method 8082. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-14. These results indicate that PCBs were detected in three samples at concentrations that achieved the Part 375 restricted residential soil cleanup objective, while the TAGM 4046 subsurface soil cleanup objective was achieved in all four samples.

The final excavation of the Roadway Ditch was completed on Friday, February 4, 2005 when additional soil was removed from the north wall. One confirmatory sample from this area (DS-60; Figure 2-37) was collected and submitted to LSL for analysis of PCBs using USEPA Method 8082. The analytical results from this sample were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-14. These results indicate that PCBs were detected at a concentration that achieved the Part 375 restricted residential soil cleanup objective.

3.11 Confirmatory Samples of the Berm

Excavation of the berm overlying the natural gas pipeline began on Friday, October 22, 2004 and was completed on Monday, October 25, 2004. Three confirmatory samples (BS-1 thru BS-3; Figure 2-37) were collected from native, reddish brown silty clay and submitted to PSC for analysis of PCBs using USEPA Method 8082. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-15. These results indicate that PCBs were detected in two samples at concentrations that achieved the Part 375

restricted residential soil cleanup objective, while the TAGM 4046 subsurface soil cleanup objective was achieved in all three samples.

3.12 Confirmatory Samples of SWMU 38

Excavation of the Therminol Building area (SWMU 38) took place between Monday, September 20, 2004 and Friday, October 22, 2004. Thirty confirmatory samples (TS-1 thru TS-23, TS-26, TS-27, and TS-29 thru TS-33; Figure 2-37) were collected from the floor and sidewalls as the excavation progressed. All samples, with the exception of TS-3, TS-15 and TS-33, were collected from native, reddish brown silty clay. Sample TS-3 was collected from gravel backfill between the Spauldite Sheet Building and the Therminol Building sump (Figure 2-37), sample TS-15 was collected from slag and gravel fill at the west end of the excavation under the road (Figure 2-37) and sample TS-33 was collected from slag fill under a building adjacent to the Spauldite Sheet basement stairwell (Figure 2-37). All samples were submitted to PSC for analysis of PCBs using USEPA Method 8082.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 3-16. These results indicate that twenty of the thirty samples achieved the Part 375 restricted residential PCB soil cleanup objective. The PCB concentrations in seven additional samples also achieved the TAGM 4046 subsurface soil cleanup objective of 10 ppm. The analytical results from the remaining samples (TS-2, TS-4 and TS-33; Table 3-16) contained PCBs at concentrations that exceeded the Part 375 restricted residential soil cleanup objectives, with the PCB concentrations in samples (TS-2 and TS-33) exceeding the hazardous waste criterion (50 ppm). Samples TS-2 and TS-33 were collected from fill material under buildings (Figure 2-37), which precluded any further excavation without building demolition. The contaminated fill material associated with sample TS-2 was subsequently sealed in place by a concrete plug poured around the end of the K-Line sewer on Friday, June 10, 2005. The contaminated fill material associated with sample TS-33 was addressed during Phase 2 of the OU2 IRM (see Section 4.5 for details).

At the sample TS-4 location, additional soil from this area was removed during completion of the Therminol Building excavation. One confirmatory sample (TS-10) was collected from this

area at the approximate location of sample TS-4 (Figure 2-37). The analytical results from this sample are summarized in Table 3-16, and indicate that PCBs were detected at a concentration that slightly exceeded the Part 375 restricted residential soil cleanup objective, but achieved the TAGM 4046 subsurface soil cleanup objective.

4.0 Summary of the Phase 2 IRM for OU2

4.1 Pre-Excavation Activities

Due to budgetary constraints and the fact that the SWMU 12 ("U" Shaped Settling Lagoon) and SWMU 38 (Therminol Building Area) excavations were significantly larger than initially estimated, several items proposed for completion under the OU2 IRM could not be completed during the 2004 construction season. These items, however, were completed during the Phase 2 IRM when additional funding was allocated to the project. Prior to mobilizing to the Site to begin the Phase 2 IRM excavation activities, the following activities were completed:

- the startup of the temporary on-site water treatment system to drain the Spauldite Sheet basement;
- the collection and analysis of surface soil samples from the Small Settling Lagoon (SWMU 11) and Former Tank Farm (SWMU 23) areas to better define the extent of PCB contamination requiring remediation, and to delineate the limits of hazardous and non-hazardous surface soils;
- the collection and analysis of surface soil samples from the South Settling Lagoon (SWMU 13) to better define the extent of PCB contamination requiring remediation;
- the collection and analysis of surface soil samples from the Transformer Explosion Area (AOC 48) to better define the extent of PCB contamination requiring remediation, and to delineate the limits of hazardous and non-hazardous surface soils; and
- the extraction of oil and contaminated water from two pits within the Spaulding building complex.

4.2 Phase 2 IRM Activities

Phase 2 of the IRM began on July 21, 2005 and was completed on February 9, 2007. The work completed during this phase included the following:

- the removal of three Supertherm Tanks and associated piping;
- the demolition of the block building constructed around one of the Supertherm Tanks;
- the removal of concrete pads "B" and "C" in the SWMU 23 area (Figure 2-1);

- the excavation and backfilling of the remaining portion of the Therminol Building Area (SWMU 38);
- the excavation and backfilling of the Transformer Explosion Area (AOC 48);
- the excavation and backfilling of the Small Settling Lagoon (SWMU 11) and the Former Tank Farm Area (SWMU 23);
- the collection and analysis of confirmatory soil samples following the completion of excavation activities; and
- the surveying of the final excavation limits and confirmatory sample locations.

Specific detail regarding the individual remedial activities completed during Phase 2 of the OU2 IRM is presented below in chronological order.

4.3 Supertherm Tank and Building Removal

To complete the remediation of the Therminol Building Area (SWMU 38) three Supertherm Tanks (Figure 4-1) and associated piping, along with the cinder block building constructed around one of the tanks (Figure 4-2), needed to be removed. This work began on Thursday, July 21, 2005 with the partial removal of piping and insulation from the smallest tank. Later that day the small tank was pulled to the ground using an excavator. On Friday, July 22, 2005 the remaining piping and insulation was removed from the tank (Figure 4-3).

On Tuesday, July 26, 2005 a manlift was mobilized to the Site to facilitate the removal of insulation on the two remaining tanks, their associated piping and the pipe supports. Following the completion of this work, the second Supertherm Tank was pulled to the ground with the excavator on Thursday, July 28, 2005. Once this tank was removed, the remaining piping and the pipe supports could be accessed and removed (Figures 4-4 thru 4-5). The cinder block building was demolished with the excavator on Tuesday, August 2, 2005 (Figure 4-6). The remaining piping and pipe supports were removed the same day (Figure 4-7). On Wednesday, August 3, 2005 the last Supertherm Tank was pulled to the ground with the excavator (Figures 4-8 and 4-9).

The tank insulation, cinder blocks and metal roof were staged on-site, while the tanks, piping and pipe supports were cut into pieces and transported to Twin Village Recycling, Inc. in Depew,

New York for recycling. The last of this material was shipped off site on Friday, August 5, 2005.

4.4 AOC 48 - Transformer Explosion Area

4.4.1 Excavation

Excavation activities associated with the Phase 2 IRM began on Tuesday, October 4, 2005 with the excavation of contaminated soils around a concrete pad in the courtyard (Figure 4-10) of the Transformer Explosion Area (AOC 48). Removal activities began in this area as the remediation and backfilling around the concrete pad was necessary to provide access to contaminated soils at the west end of courtyard. Excavation around the concrete pad was completed the following day (Figure 4-11). Excavated soils were transported to a soil staging area constructed on a concrete pad along the Spauldite Sheet Building (Figures 2-1 and 4-12). On Wednesday, October 5, 2005 four confirmatory samples of the floor (48-1C thru 48-4C; Figure 4-10) were collected and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.2.

The confirmatory sample results indicated that additional soil needed to be excavated from around the concrete pad. This work was completed on Wednesday, October 12, 2005. Two confirmatory samples of the floor (48-4C2 and 48-5C; Figure 4-10) were collected and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.2.

Backfilling around the concrete pad began on Wednesday, October 12, 2005 (Figure 4-13) and was completed the following day (see Section 4.4.3 for details). Excavation of contaminated soils from the west end of the courtyard began the same day (Figure 4-14). The surface soil data obtained during the pre-excavation activities indicated that soils from this area were both hazardous and non-hazardous. As a result, these areas were delineated in the field, with the excavated soils from each area staged on poly in separate piles at the north end of the Spaulding property along the roadway. Excavation of the west end of the courtyard was completed on Tuesday, October 18, 2005 (Figure 4-15).

On Wednesday, October 19, 2005 excavation began at the east end of the courtyard. The surface soil data obtained during the pre-excavation activities indicated that soils from this area and the alleyway were hazardous. As a result, one foot of soil from the east end of the courtyard and

alleyway was excavated and placed on the hazardous soil stockpile. This work was completed the following day (Figures 4-16 and 4-17).

The excavation of non-hazardous soils from the east end of the courtyard began on Friday, October 21, 2005 and was completed on Monday, October 24, 2005 (Figure 4-18). All excavated soil was placed on the non-hazardous soil stockpile.

Analytical data obtained during the RI/RFI indicated that hazardous soils from 4 to 14 feet depth were located in a small area at the east end of the courtyard. The excavation of these soils began on Tuesday, October 25, 2005 and was completed the following day (Figures 4-19 and 4-20). On Thursday, October 27, 2005 nine confirmatory samples of the floor and sidewalls in the courtyard (48-6C thru 48-14C; Figure 4-10) were collected and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.2.

Schutt & Associates were on site Monday, October 31, 2005 and Tuesday, November 1, 2005 to survey the outer limit of the excavation, the locations of the confirmatory samples, the concrete pipe chases and the bottom of the excavation. Excavation of the alleyway was completed on Wednesday, November 2, 2005 (Figure 4-21). On Thursday, November 17, 2005 three confirmatory samples of the floor in the alleyway (48-15C thru 48-17C; Figure 4-10) were collected by C&W and submitted to Upstate for analysis. The analytical results from these samples are discussed in Section 5.2.

Approximately 6 inches of fill material were excavated from outside the alleyway in February 2006 during the removal of the contaminated soil stockpiles. On Tuesday, April 18, 2006 seven confirmatory samples of the floor outside the alleyway (48-18C thru 48-24C; Figure 4-10) were collected and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.2. The locations of these samples were surveyed by Schutt & Associates on Wednesday, April 26, 2006.

The confirmatory sample results indicated that additional soil needed to be excavated from outside the alleyway. This work began on Thursday, May 11, 2006 and was completed the

following day (Figures 4-22 thru 4-24). On Wednesday, May 24, 2006 five confirmatory samples of the floor (48-25C thru 48-29C; Figure 4-10) were collected and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.2.

The final limits of the Transformer Explosion Area excavation are shown on Figure 4-10 along with the locations of the confirmatory samples.

4.4.2 Truck Turnaround

During the remediation of the Transformer Explosion Area a truck turnaround was constructed north of AOC 48 to facilitate the loading of trucks with contaminated soil for transport to approved disposal facilities. Construction of the truck turnaround began on Friday, October 28, 2005 with the placement of geofabric on the ground surface (Figure 4-25) and was completed on Tuesday, November 1, 2005 (Figure 4-26).

4.4.3 Backfilling

Backfilling of the Transformer Explosion Area began on Wednesday, October 12, 2005 after the initial confirmatory sample results indicated that the Part 375 restricted residential soil cleanup objective for PCBs had been achieved. Backfilling began around the concrete pad in the courtyard (Figures 4-10 and 4-13) to provide access to contaminated soils at the west end of the courtyard. This work was completed the following day.

Backfilling of the Transformer Explosion Area resumed on Tuesday, November 1, 2005 with the deep excavation at the east end of the courtyard. This work was completed on Friday, November 4, 2005 (Figure 4-27). Because Erie County and the City of Tonawanda are planning to demolish all of the buildings on the Spaulding property, the NYSDEC decided not to backfill the remaining areas of the courtyard and alleyway due to their shallow depths. Partial backfilling of the excavation outside the alleyway was completed on Wednesday, September 6, 2006 to stabilize the roadway and the sidewalls of the excavation (Figures 4-28 and 4-29). Prior to backfilling, poly was draped over the sidewalls to form a demarcation layer between the clean excavation and the contaminated fill of the adjacent SWMUs (Figure 4-30). The clean soils utilized for backfill came from the Hinds Street area.

4.5 SWMU 38 - Therminol Building Area

4.5.1 Excavation

Excavation of the remaining portion of the Therminol Building Area (SWMU 38) began on Wednesday, October 5, 2005 with the excavation of contaminated soils along the Spauldite Sheet basement stairwell (Figures 4-31 and 4-32). Near the base of this excavation a large quantity of NAPL was encountered (Figures 4-33 and 4-34). Excavation ceased at this point and absorbant pads were placed in the excavation to absorb as much NAPL as possible.

Excavation of the Therminol Building Area resumed on Friday, November 4, 2005 when approximately 1 foot of non-hazardous soil was removed from around the remaining Supertherm Tank pad (Figure 4-31) and from under the roadway south of the Spauldite Sheet Building (Figures 4-35 thru 4-37). The depth of excavation reached approximately 7.5 feet where the westernmost Supertherm Tank pad had been located (Figure 4-31). Excavation near the basement stairwell was not completed at this time due to excessive water in the excavation and basement (the pump for the temporary water treatment system had stopped working). Schutt & Associates were on site between Monday, November 7, 2005 and Thursday, November 11, 2005 to set up control points, and to survey the outer limit of the excavation, the adjacent buildings, concrete pads and the floor of the excavation.

On Friday, December 2, 2005 water from the excavation along the basement stairwell was pumped into the basement to facilitate additional excavation in this area. The original excavation was expanded to a width of 10 feet and was approximately 10 feet deep. Unfortunately, NYSDEC personnel were not on site during this work and no confirmatory samples were collected.

On Tuesday, April 18, 2006 three confirmatory samples of the floor and sidewalls (TS-34 thru TS-36; Figure 4-31) were collected and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.3. The locations of these samples were surveyed by Schutt & Associates on Wednesday, April 26, 2006.

The Therminol Building Area excavation resumed on Wednesday, September 6, 2006 with the excavation of additional soils from along the Spauldite Sheet basement stairwell. This work was

completed the following day (Figures 4-38 and 4-39). Three confirmatory samples of the sidewalls (TS-37 thru TS-39; Figure 4-31) were collected the same day and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.3. A confirmatory sample of the floor was not collected due to the inflow of water (Figure 4-38) from a severed foundation drain line. The outer limit and floor of the excavation, and the locations of the confirmatory samples were surveyed by Schutt & Associates on Tuesday, September 12, 2006.

The final limits of the Phase 2 IRM Therminol Building Area excavation are shown on Figure 4-31 along with the locations of the confirmatory samples. The final limits of the SWMU 38 remediation (Phases 1 and 2) are shown on Figure 4-40.

4.5.2 Backfilling

Backfilling of the Therminol Building Area began on Tuesday, November 8, 2005 at the direction of the NYSDEC field inspector to maintain road access around the Site. The excavation north of the roadway and along the Spauldite Sheet basement stairwell was not backfilled at this time. Once the excavation was backfilled to grade, geofabric was placed across the area and covered with crushed stone to complete the roadway (Figure 4-41). This work was completed on Monday, November 14, 2005.

Backfilling of the Therminol Building Area resumed on Monday, May 1, 2006 with the area north of the roadway. This work was completed the same day (Figure 4-42). Backfilling of the excavation along the Spauldite Sheet basement stairwell was completed on Wednesday, September 27, 2006 (Figure 4-43). The clean soils utilized for backfill came from the Hinds Street area.

4.6 SWMU 13 - South Settling Lagoon

4.6.1 Excavation

Analytical data obtained during the RI/RFI suggested that PCB contamination at the South Settling Lagoon (SWMU 13) was limited in extent (Figure 1-2) and confined to surface soils. The pre-excavation surface soil sample collection program, however, determined that PCB contamination of surface soils was significantly larger in extent (Figure 4-44). Excavation of the South Settling Lagoon began on Monday, November 21, 2005 near the Resin Drum Landfill

(SWMU 7) and adjacent ditch (Figure 4-44). All excavated soils were staged near the cinder block building. Later that day, cinders, ash and grinding waste were encountered in the excavation at depths ranging to 4 feet below ground surface (Figures 4-45 thru 4-47). Remediation activities at SWMU 13 were halted the following day and subsequently incorporated into the State Superfund remedial program due to its close proximity to SWMU 7 (Figure 4-44) and the non-PCB remediation required for the remainder of SWMU 13. The stockpiled soils were subsequently tested, found to be non-hazardous, and transported to BFI in Niagara Falls, New York for disposal with the non-hazardous soils from SWMU 23.

4.6.2 Backfilling

Backfilling of the South Settling Lagoon (SWMU 13) was not completed during the Phase 2 IRM as the remediation of this SWMU was incorporated into the State Superfund remedial program.

4.7 SWMU 23 - Former Tank Farm

4.7.1 Excavation of RCRA-Hazardous Soils

The surface soil data obtained during the pre-excavation activities indicated that soils from SWMU 23 (Former Tank Farm) were both hazardous (PCBs >50 ppm) and non-hazardous (PCBs <50 ppm) for PCBs. To facilitate the remediation of this area, the NYSDEC decided to first remove the hazardous soils. This work began on Tuesday, November 22, 2005 and was completed on Wednesday, November 30, 2005. Excavation depths ranged from 6 inches to 1 foot. Excavated soil was either placed on the concrete soil staging pad constructed along the west side of the Spauldite Sheet Building (Figure 4-12) or staged near the roadway and covered with poly. On Friday, December 2, 2005 eight surface soil samples (23-50C thru 23-57C; Figure 4-48) were collected and submitted to Upstate for analysis. The analytical results from these samples are discussed in Section 5.4.

The surface soil sample results indicated that hazardous soils were still present at two areas of SWMU 23 (Figure 4-48). As a result, surface soil from these areas was excavated by Op-Tech on Friday, May 12, 2006. On Wednesday, May 24, 2006 and Friday, May 26, 2006 fifteen surface soil samples (23-30 thru 23-44; Figure 4-49) were collected and submitted to STL for analysis. The

analytical results from these samples are discussed in Section 5.4.

The surface soil sample results indicated that two of the samples contained PCBs at concentrations greater than 50 ppm (Figure 4-49). To further delineate the extent of hazardous soils, ten additional surface soil samples (23-45 thru 23-49 and 23-58 thru 23-62; Figure 4-50) were collected on Wednesday, July 26, 2006 and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.4.

The surface soil sample results further defined the extent of hazardous soils at the two areas of SWMU 23 (Figure 4-50). Excavation of these soils began on Thursday, September 7, 2006 and was completed the following day (Figures 4-51 and 4-52).

4.7.2 Concrete Removal

Three concrete pads were located within the limits of the SWMU 23 excavation area (Figure 4-50). Prior to completing the non-hazardous soil removal at the Former Tank Farm, the concrete pads were removed and staged with other concrete near the decontamination pad.

4.7.3 Excavation of Non-Hazardous Soils

Removal of the non-hazardous soils began on Wednesday, September 27, 2006 and continued throughout the week. Based upon the size of the Former Tank Farm area and the belief that native soils were located at a depth of approximately 1 foot below ground surface, a dozer was utilized for this work. The concrete pads were initially left in place because it was believed that they rested on native soils. A backhoe was utilized to excavate around these pads.

While excavating around the concrete pad closest to the Boiler House, grinding waste, ash and slag fill (Figure 4-53) was encountered to depths of approximately six feet (Figure 4-54). It was later determined that we had encountered a portion of a ditch that formerly discharged into the Small Settling Lagoon (SWMU 11). Most of this ditch, and a portion of the Small Settling Lagoon, are now located beneath buildings. Due to the depth of waste in this ditch, it was decided that an excavator would be required to remediate this area of SWMU 23.

The removal of non-hazardous soils with the dozer began along the west wall of the Fibre Sheet Building (Figures 4-50 and 4-55). The soil and waste materials scraped with the dozer were initially stockpiled in an area south of SWMU 23 (Figure 4-56). When it was determined that fill material across most of SWMU 23 was approximately three feet thick, it was decided to push this material toward the roadway and stockpile it there (Figure 4-57). By Friday, September 29, 2006 the Former Tank Farm area had been scraped to the extent possible with a dozer. Slag and ash were encountered throughout the excavation, with phenolic resin encountered near concrete pad "C" (Figure 2-1).

The remediation of SWMU 23 resumed on Monday, October 23, 2006 with the removal of the concrete pads. The debris from these pads were piled with the other concrete near the decontamination pad (Figure 4-58). This work was completed in half a day.

The removal of the non-hazardous soils from SWMU 23 resumed on Thursday, October 26, 2006 along the south wall of the Boiler House between the Fibre Sheet Building and the roadway (Figure 4-59). Excavation progressed to the south between the Fibre Sheet Building and the roadway. The soil stockpiles along the roadway were loaded into trucks for transport to BFI in Niagara Falls, New York for disposal as the excavation proceeded (Figure 4-60). Remediation of SWMU 23 was completed on Thursday, November 9, 2006 (Figures 4-61 and 4-62).

On Tuesday, November 7, 2006 thirteen confirmatory samples of the floor and sidewalls (TF-1 thru TF-13; Figure 4-63) were collected and submitted to STL for analysis. Four additional samples (TF-14 thru TF-17; Figure 4-63) were collected on Wednesday, November 8, 2006, while the remaining confirmatory samples (TS-18 thru TS-27; Figure 4-63) were collected the following day. The analytical results from these samples are discussed in Section 5.4. The locations of samples TF-1 thru TF-21, along with the limits of the excavation, were surveyed by Schutt & Associates on Thursday, November 9, 2006. The remaining confirmatory samples and the final limits of the excavation were surveyed by Schutt & Associates on Wednesday, November 29, 2006.

The final limits of the Former Tank Farm excavation are shown on Figure 4-63 along with the locations of the confirmatory samples.

4.7.4 Backfilling

Backfilling of the SWMU 23 excavation began on Monday, December 4, 2006 after the confirmatory sample results indicated that the Part 375 restricted residential soil cleanup objective for PCBs had been achieved. Backfilling began at the southern end of the excavation (Figures 4-64 and 4-65) and progressed to the north (Figures 4-66 and 4-67). The backfill soils were sloped toward the center of the excavation to promote drainage into the existing manholes (Figures 4-63 and 4-68). Backfilling of the Former Tank Farm excavation was completed on Monday, January 22, 2007 (Figures 4-69 and 4-70). The clean soils utilized for backfill came from the Hinds Street area.

4.8 SWMU 11 - Small Settling Lagoon

4.8.1 Concrete Removal

Prior to completing the excavation of the Small Settling Lagoon (SWMU 11), two sections of the concrete walk near the Cinder Block Building (compare Figures 4-50 and 4-63) were removed and staged with other concrete near the decontamination pad (Figure 4-58).

4.8.2 Excavation of Non-Hazardous Soils

Excavation of the Small Settling Lagoon began on Monday, October 23, 2006. The removal of non-hazardous soils began along the south wall of the Cinder Block Building adjacent to the Boiler House (Figure 4-71). Water initially flowed into the excavation (Figure 4-71) from a 24-inch concrete pipe that formerly discharged into the Small Settling Lagoon (Figure 4-72). This flow of water ceased by the end of the day. Excavation progressed to the south (Figures 4-73 and 4-74) until the natural gas pipeline was encountered (Figure 4-75). Remediation of the Small Settling Lagoon was completed on Friday, October 27, 2006 (Figure 4-76).

On Thursday, October 26, 2006 seven confirmatory samples of the floor and sidewalls (LS-1 thru LS-7; Figure 4-63) were collected and submitted to STL for analysis. The analytical results from these samples are discussed in Section 5.5. The locations of these samples, along with the limits of the excavation, were surveyed by Schutt & Associates on Wednesday, November 1, 2006.

The last confirmatory sample (LS-8; Figure 4-63) from SWMU 11 (south sidewall) was

collected on Wednesday, November 8, 2006 and submitted to STL for analysis. The analytical results from this sample are discussed in Section 5.5. The location of this sample, along with the final limits of the SWMU 11 excavation, were surveyed by Schutt & Associates on Thursday, November 9, 2006 (Figure 4-63).

4.8.3 Backfilling

Backfilling of the SWMU 11 excavation began on Tuesday, January 23, 2007 after the confirmatory sample results indicated that the Part 375 restricted residential soil cleanup objective for PCBs had been achieved. The backfill soils were sloped toward the west to promote drainage into the existing ditch along the roadway. Backfilling of the SWMU 11 excavation was completed on Friday, February 2, 2007. The clean soils utilized for backfill came from the Hinds Street area.

4.9 Transportation and Offsite Disposal

Waste characterization sampling and analysis were completed as the Phase 2 IRM progressed. Based upon the analytical results, it was determined that the soil and waste materials were both non-hazardous and RCRA-hazardous solid waste. The waste characterization data indicated that while none of the samples exceeded the Toxicity Characteristics Leaching Procedure (TCLP) regulatory limits, many of the samples exceeded the 50 ppm regulatory limit for PCBs. It was necessary, therefore, for these soils and wastes to be managed as RCRA-hazardous waste.

C&W prepared the appropriate waste profile application for each waste stream during the initial stages of the Phase 2 IRM. Op-Tech completed this process when C&W went out of business. The waste profile application and waste characterization sampling results for the non-hazardous soil were submitted to several landfills to obtain approval and cost estimates for disposal. BFI in Niagara Falls, New York was selected for the disposal of these soils. A total of approximately 6,800 tons of non-hazardous soils were transported by LCA Development, Inc. and Carmen M. Pariso, Inc. to BFI for disposal during the Phase 2 IRM (Table 4-1).

The waste profile application and waste characterization sampling results for the RCRA-hazardous soil were submitted to CWM in Model City, New York to obtain approval for disposal. CWM was selected due to their close proximity to the Site and because they were only one of three

landfills east of the Mississippi River that could accept PCB hazardous waste. A total of approximately 2,100 tons of RCRA-hazardous soil were transported by Buffalo Fuel Corporation (BFC) to CWM for disposal during the Phase 2 IRM (Table 4-2).

5.0 Summary of the Phase 2 IRM Sampling and Analytical Activities

5.1 General

This section describes the analytical data obtained from samples collected during the Phase 2 IRM completed at the Spaulding Composites Site. These samples include confirmatory samples from the excavations, waste samples collected from SWMU 13 and samples collected from the contaminated soil stockpiles. The PCB analytical results were evaluated against the restricted residential soil cleanup objectives of Table 375-6.8(b) contained in the December 2006 NYSDEC publication entitled "*6NYCRR Part 375: Environmental Remediation Programs*". The regulatory limits for the hazardous waste characteristics were obtained from the January 1995 NYSDEC publication entitled "*6 NYCRR Part 371: Identification and Listing of Hazardous Wastes*".

5.2 Confirmatory Samples of AOC 48

On Wednesday, October 5, 2005 four confirmatory samples of the floor around the concrete pad (48-1C thru 48-4C; Figure 4-10) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. All samples, with the exception of sample 48-4C, were collected from native, reddish brown silty clay. Sample 48-4C was collected from slag at the east end of the excavation.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-1. These results indicate that all confirmatory samples of the native silty clay achieved the Part 375 restricted residential PCB soil cleanup objective. The slag sample (48-4C), however, contained PCBs at a concentration that exceeded the Part 375 restricted residential soil cleanup objective. As a result, further excavation around the concrete pad was required.

Additional soil around the concrete pad was excavated on Wednesday, October 12, 2005. Two confirmatory samples of the floor (48-4C2 and 48-5C; Figure 4-10) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. Both samples consisted of slag. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-1. These results indicate that PCBs were

detected in the both samples, but at concentrations below the Part 375 restricted residential soil cleanup objective.

On Thursday, October 27, 2005 nine confirmatory samples of the floor and sidewalls in the courtyard (48-6C thru 48-14C; Figure 4-10) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. All samples were collected from native, reddish brown silty clay. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-1. These results indicate that all nine samples achieved the Part 375 restricted residential PCB soil cleanup objective.

On Thursday, November 17, 2005 three confirmatory samples of the floor in the alleyway (48-15C thru 48-17C; Figure 4-10) were collected and submitted to Upstate for analysis of PCBs using USEPA Method 8082. Samples 48-16C and 48-17C were collected from native, reddish brown silty clay, while sample 48-15C was collected from sand. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-1. These results indicate that PCB concentrations in two samples achieved the Part 375 restricted residential soil cleanup objective, while the TAGM 4046 subsurface soil cleanup objective was achieved in all three samples.

On Tuesday, April 18, 2006 seven confirmatory samples of the floor outside the alleyway (48-18C thru 48-24C; Figure 4-10) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. All samples were collected from slag. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-1. These results indicate that PCB concentrations in five samples exceeded the Part 375 restricted residential soil cleanup objective, although only one sample (48-19C) contained PCBs at a concentration that exceeded the TAGM 4046 subsurface soil cleanup objective (14 ppm versus 10 ppm). Based upon this result and the presence of slag in this portion of the excavation, the NYSDEC field inspector made the decision to excavate this area to native soil.

The excavation of additional soil from outside the alleyway began on Thursday May 11, 2006 and was completed the following day. On Wednesday, May 24, 2006 five confirmatory

samples of the floor (48-25C thru 48-29C; Figure 4-10) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. All samples, with the exception of sample 48-26C, were collected from native, reddish brown silty clay. Sample 48-26C was collected from soil and fill at the northwest corner of the excavation. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-1. These results indicate that PCB concentrations in four samples achieved the Part 375 restricted residential soil cleanup objective, while the TAGM 4046 subsurface soil cleanup objective was achieved in all five samples.

5.3 Confirmatory Samples of SWMU 38

On Tuesday, April 18, 2006 three confirmatory samples of the floor around the remaining Supertherm Tank pad and from under the roadway south of the Spauldite Sheet Building (TS-34 thru TS-36; Figure 4-31) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. All samples were collected from native, reddish brown silty clay. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-2. These results indicate that the PCB concentration in only one samples achieved the Part 375 restricted residential soil cleanup objective, while the TAGM 4046 subsurface soil cleanup objective was achieved in all three samples.

The Therminol Building Area excavation was completed on Thursday, September 7, 2006 with the excavation of additional soils from along the Spauldite Sheet basement stairwell. Three confirmatory samples of the sidewalls (TS-37 thru TS-39; Figure 4-31) were collected the same day and submitted to STL for analysis of PCBs using USEPA Method 8082. All samples were collected from native, reddish brown silty clay. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-2. These results indicate that all three samples achieved the Part 375 restricted residential PCB soil cleanup objective.

5.4 Confirmatory Samples of SWMU 23

The excavation of hazardous soils from SWMU 23 (Former Tank Farm) began on Tuesday, November 22, 2005 and was completed on Wednesday, November 30, 2005. On Friday, December

2, 2005 eight surface soil samples (23-50C thru 23-57C; Figure 4-48) were collected and submitted to Upstate for analysis of PCBs using USEPA Method 8082. The analytical results from these samples were compared to the hazardous waste criterion (50 ppm) to determine if any hazardous soils remained in the SWMU 23 area.

The surface soil sample results indicated that hazardous soils were still present at two areas of SWMU 23; only samples 23-50C, 23-52C, 23-55C and 23-57C achieved the hazardous waste criterion (Figure 4-48). As a result, surface soil from these areas was excavated on Friday, May 12, 2006. On Wednesday, May 24, 2006 and Friday, May 26, 2006 fifteen surface soil samples (23-30 thru 23-44; Figure 4-49) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. The analytical results from these samples were compared to the hazardous waste criterion.

The surface soil sample results indicated that samples 23-33 and 23-38 contained PCBs at concentrations greater than 50 ppm (Figure 4-49). To further delineate the extent of hazardous soils, ten additional surface soil samples (23-45 thru 23-49 and 23-58 thru 23-62; Figure 4-50) were collected on Wednesday, July 26, 2006 and submitted to STL for analysis of PCBs using USEPA Method 8082. The analytical results from these samples were once again compared to the hazardous waste criterion.

The surface soil sample results indicated that samples 23-60 and 23-62 contained PCBs at concentrations greater than 50 ppm (Figure 4-50). As a result, further excavation of hazardous soils from SWMU 23 was required. Excavation of these soils began on Thursday, September 7, 2006 and was completed the following day.

The excavation of non-hazardous soils from SWMU 23 began on Wednesday, September 27, 2006 and was completed on Thursday, November 9, 2006. Twenty-seven confirmatory samples of the floor and sidewalls of the SWMU 23 excavation (TS-1 thru TS-27; Figure 4-63) were collected between Tuesday, November 7, 2006 and Thursday, November 9, 2006 and submitted to STL for analysis of PCBs using USEPA Method 8082. All floor samples were collected from native, reddish brown silty clay, while the sidewall samples were collected from slag and cinder fill.

The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-3. These results indicate that PCB concentrations in twenty-four samples achieved the Part 375 restricted residential soil cleanup objective, while the TAGM 4046 subsurface soil cleanup objective was achieved in all twenty-seven samples.

5.5 Confirmatory Samples of SWMU 11

The excavation of non-hazardous soils from SWMU 11 (Small Settling Lagoon) began on Monday, October 23, 2006 and was completed on Friday, October 27, 2006. On Thursday, October 26, 2006 seven confirmatory samples of the floor and sidewalls of the Small Settling Lagoon (LS-1 thru LS-7; Figure 4-63) were collected and submitted to STL for analysis of PCBs using USEPA Method 8082. All samples, except LS-4 and LS-7, were collected from native, reddish brown silty clay. Sample LS-4 was collected from black, fly-ash like fill beneath the Boiler House, while sample LS-7 was collected from grinding waste and slag beneath the Boiler House. The analytical results from these samples were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-4. These results indicate that all seven samples achieved the Part 375 restricted residential PCB soil cleanup objective.

On Wednesday, November 8, 2006 one confirmatory samples of the south sidewall of the Small Settling Lagoon (LS-8; Figure 4-63) was collected and submitted to STL for analysis of PCBs using USEPA Method 8082. This sample was collected from native, reddish brown silty clay. The analytical results from this sample were compared to the Part 375 restricted residential soil cleanup objectives, and are summarized in Table 5-4. These results indicate that the sample achieved the Part 375 restricted residential PCB soil cleanup objective.

6.0 Conclusions

The IRM at Operable Unit 2 was completed to meet the remediation goals for the Spaulding Composites Site as described in the March 2003 Record of Decision/Statement of Basis (ROD/SOB). The remediation goals selected for the Site are described as follows:

- eliminate, to the extent practicable, the potential for ingestion of contaminated soils and sediment;
- eliminate, to the extent practicable, the generation of particulates from contaminated soils and vapor emissions from contaminated soils and groundwater that could result in inhalation exposures;
- eliminate, to the extent practicable, dermal contact with contaminated soils, sediment, groundwater and surface water;
- eliminate, to the extent practicable, off-site migration of PCB contaminated water; and
- eliminate, to the extent practicable, exceedances of applicable environmental quality standards related to releases of contaminants to groundwater.

The completed OU2 IRM has met the remediation goals for Operable Unit 2 as follows:

- PCB contaminated soils associated with Operable Unit 2, with the exception of SWMU 13, have been excavated and transported offsite for disposal at approved facilities;
- remediation-generated debris and waste materials have been transported offsite for disposal at approved facilities;
- confirmatory soil sample results indicate that the established PCB soil cleanup goals for this IRM (1 ppm for surface soils; 10 ppm for subsurface soils) were achieved. These results also indicate that several exceedances of the 6 NYCRR Part 375 restricted residential PCB soil cleanup objective were documented. This regulation, however, was promulgated after the OU2 IRM was complete;
- air monitoring to protect both site workers and the community was conducted during the Phase 1 IRM activities. Based upon these results, air monitoring was not required during the Phase 2 IRM activities;
- the excavated areas were backfilled with clean soils and the site was restored;

- the K-Line storm sewer was cleaned from the Therminol Building to manhole MHL (Figure 2-53) to remove contaminated sediments. This section of the sewer was subsequently abandoned in place; and

- the on-site water treatment system operated until the K-Line storm sewer was plugged at manhole MHL.

The IRM removal action completed at the Spaulding Composites Site, and described in this report, is consistent with the remedy presented in the March 2003 ROD/SOB.

The OU2 IRM was completed at a cost of approximately $3,000,000 with the costs distributed as follows:

- project start-up: $6,500;

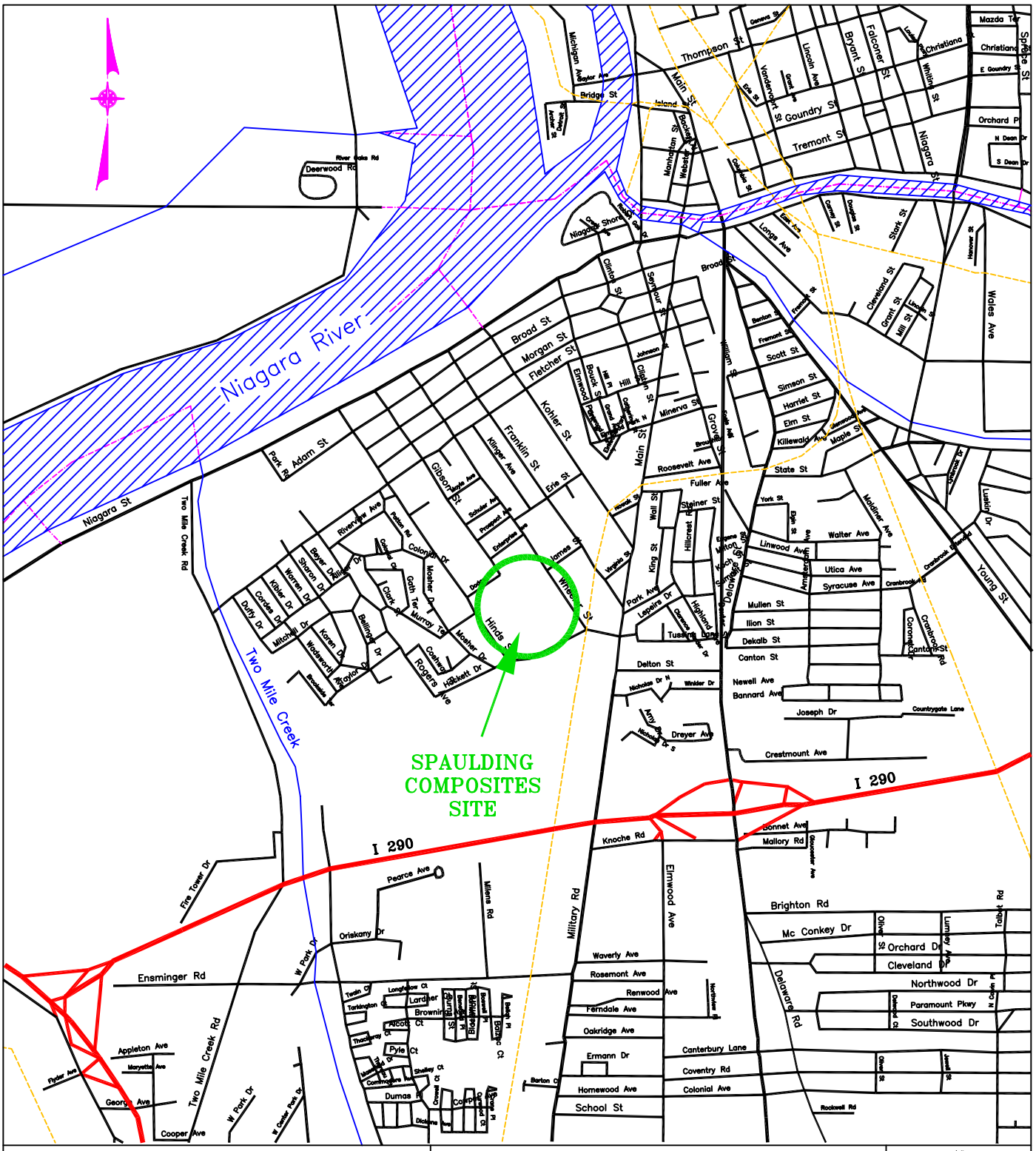
- asbestos removal and demolition of the Therminol Building: $50,000;

- operation of Spaulding's on-site water treatment system: $58,000;

- Phase 1 IRM soil removal (includes soil disposal costs): $2,100,000;

- Phase 2 IRM soil removal (includes soil disposal costs): $785,000; and

- soil disposal: $1,550,000.



Tonawanda East & West Quadrangles; Buffalo East & West Quadrangles

Scale Depends on Final Plotted Size

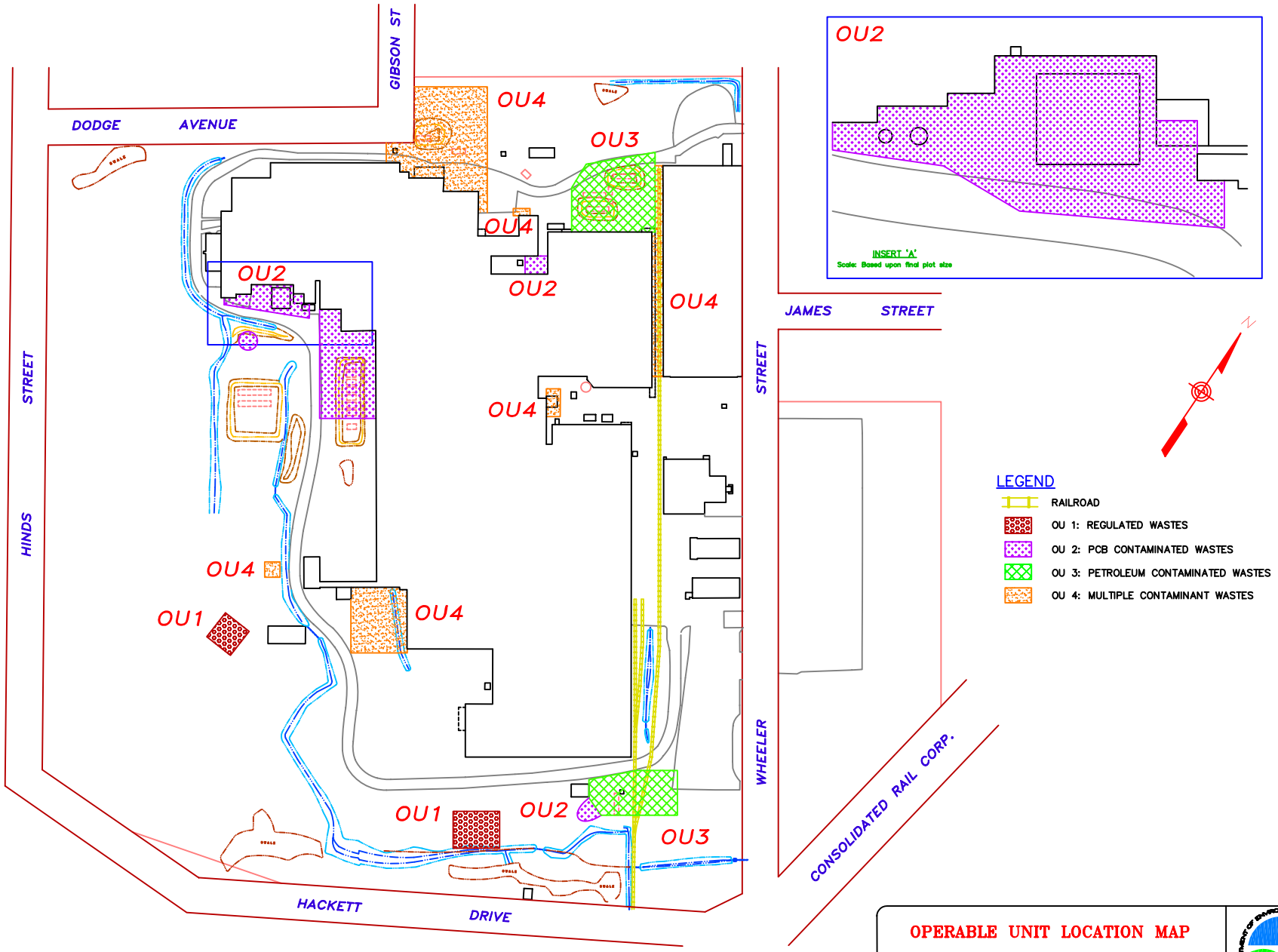
SITE LOCATION MAP

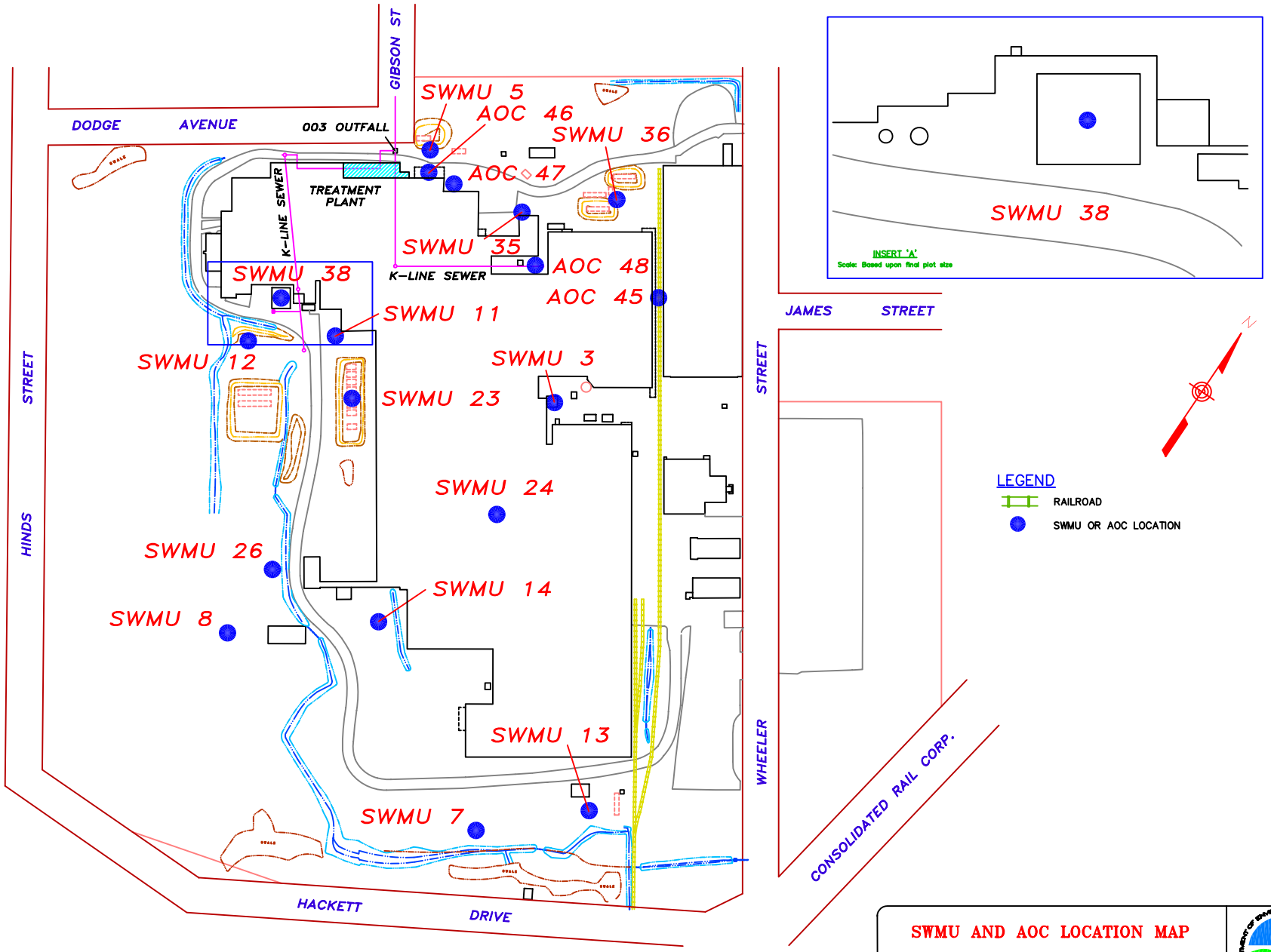
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 01/25/01 | DRAWING: Location.dwg

SITE: SPAULDING COMPOSITES SITE

FIGURE 1-1


GIBSON ST
DODGE AVENUE
HINDS STREET
JAMES STREET
WHEELER STREET
HACKETT DRIVE
CONSOLIDATED RAIL CORP.
OU1
OU2
OU3
OU4
INSERT 'A'
Scale: Based upon final plot size
LEGEND
RAILROAD
OU 1: REGULATED WASTES
OU 2: PCB CONTAMINATED WASTES
OU 3: PETROLEUM CONTAMINATED WASTES
OU 4: MULTIPLE CONTAMINANT WASTES
OPERABLE UNIT LOCATION MAP
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 12/28/00
DRAWING: spauldmap.dwg
SITE: SPAULDING COMPOSITES SITE
FIGURE 1-2


GIBSON ST
DODGE AVENUE
003 OUTFALL
SWMU 5
AOC 46
SWMU 36
AOC 47
TREATMENT PLANT
K-LINE SEWER
SWMU 35
K-LINE SEWER
SWMU 38
AOC 48
AOC 45
SWMU 11
SWMU 12
SWMU 3
SWMU 23
SWMU 24
SWMU 26
SWMU 14
SWMU 8
SWMU 13
SWMU 7
HINDS STREET
JAMES STREET
WHEELER STREET
CONSOLIDATED RAIL CORP.
HACKETT DRIVE
INSERT 'A'
Scale: Based upon final plot size
SWMU 38
LEGEND
RAILROAD
SWMU OR AOC LOCATION
SWMU AND AOC LOCATION MAP
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 12/28/00
DRAWING: spauldmap.dwg
SITE: SPAULDING COMPOSITES SITE
FIGURE 1-3

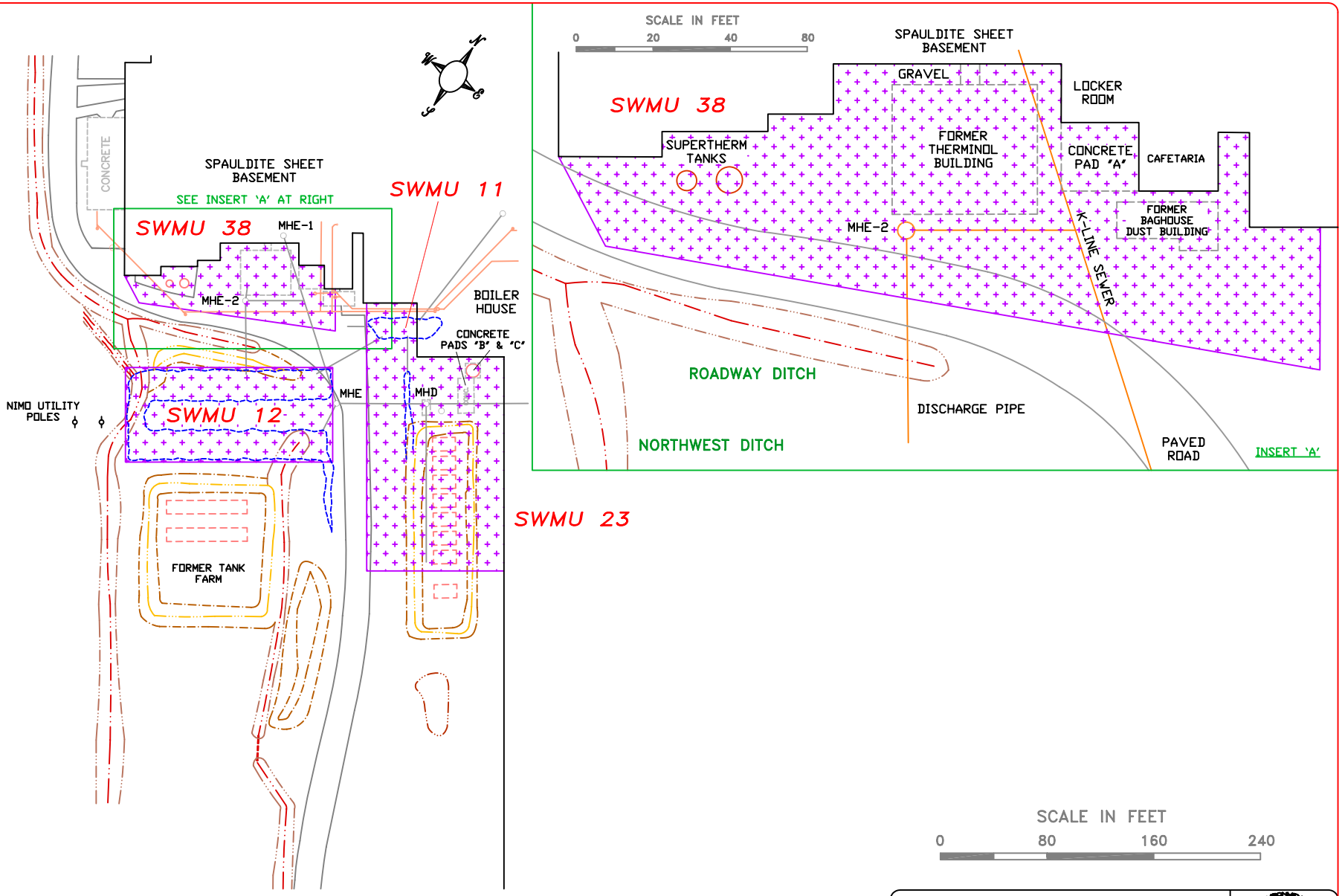

SCALE IN FEET
0
20
40
80
SPAULDITE SHEET BASEMENT
GRAVEL
SWMU 38
LOCKER ROOM
SUPERTHERM TANKS
FORMER THERMINOL BUILDING
CONCRETE PAD 'A'
CAFETARIA
FORMER BAGHOUSE DUST BUILDING
MHE-2
K-LINE SEWER
ROADWAY DITCH
DISCHARGE PIPE
NORTHWEST DITCH
PAVED ROAD
INSERT 'A'
CONCRETE
SPAULDITE SHEET BASEMENT
SEE INSERT 'A' AT RIGHT
SWMU 11
SWMU 38
MHE-1
MHE-2
BOILER HOUSE
CONCRETE PADS 'B' & 'C'
MHE
MHD
NIMO UTILITY POLES
SWMU 12
SWMU 23
FORMER TANK FARM
SCALE IN FEET
0
80
160
240
LEGEND
OU 2: PCB CONTAMINATED AREAS REQUIRING REMEDIATION
SWMUs AND REMEDIATION AREAS IN OU2 – NORTHWEST AREA
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 04/29/04
DRAWING: OU2 Northwest.dwg
SITE NAME: SPAULDING COMPOSITES SITE
FIGURE 2-1

Figure 2-2. Photograph showing the Therminol (behind rolloff) and Baghouse Dust (2-story structure) buildings prior to demolition. View looking northwest. Photograph taken by Brian Hutzler on January 28, 2004.

Figure 2-3. Photograph showing the Therminol Building following demolition. The Therminol Building sump is covered by timbers and composite laminate. View looking north. Photograph taken by Glenn May on May 6, 2004.

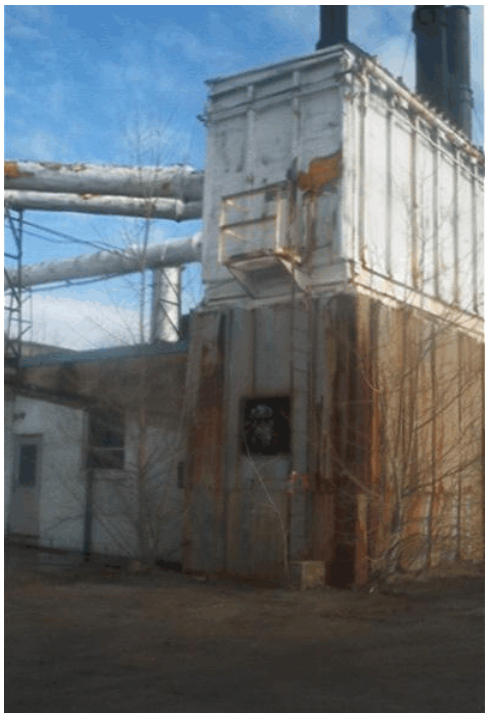


Figure 2-4. Photograph showing the Baghouse Dust Building prior to demolition. View looking north. Photograph taken by Glenn May on March 4, 2004.

Figure 2-5. Photograph showing the Baghouse Dust Building following demolition. View looking northeast. Photograph taken by Glenn May on May 6, 2004.

Figure 2-6. Photograph showing the dewatering pipe installed in the SWMU 38 excavation area. View looking southeast. Photograph taken by Glenn May on May 7, 2004.

Figure 2-7. Photograph showing the decontamination pad built during the Phase 1 IRM. View looking northwest. Photograph taken by Glenn May on May 10, 2004.

Figure 2-8. Photograph showing the new drainage ditch excavated around SWMU 12. View looking southeast. Photograph taken by Glenn May on July 20, 2004.

Figure 2-9. Photograph showing the debris in the Spauldite Sheet basement prior to remediation. View looking from the outside stairwell. Photograph taken by Ron Huntington on May 6, 2004.

Figure 2-10. Photograph showing the debris in the Spauldite Sheet basement prior to remediation. View from inside the basement. Photograph taken by Ron Huntington on May 6, 2004.

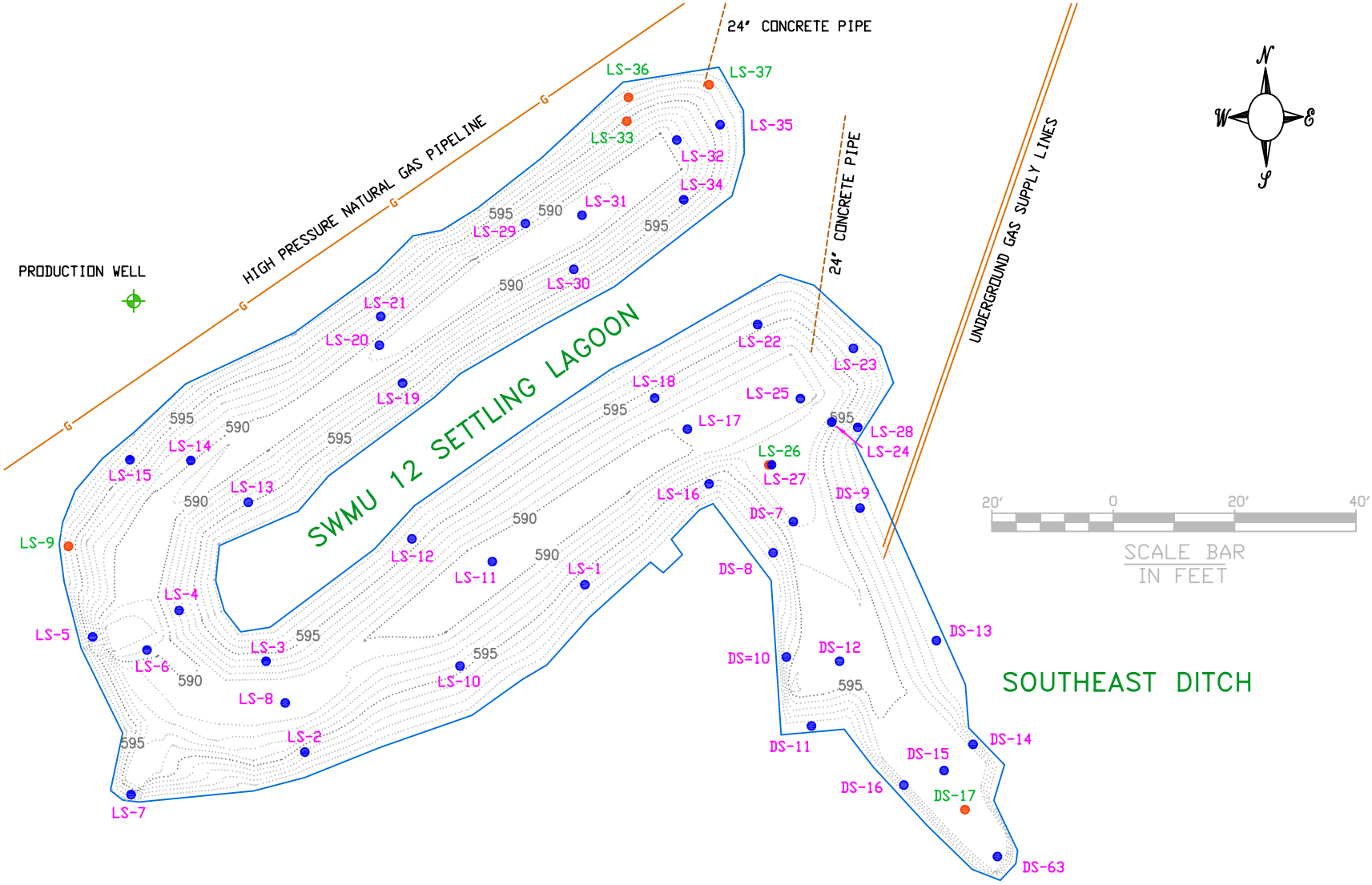
Figure 2-11. Photograph showing the debris in the Spauldite Sheet basement prior to remediation. View from inside the basement. Photograph taken by Ron Huntington on May 6, 2004.

Figure 2-12. Photograph showing the debris in the Spauldite Sheet basement prior to remediation. View from inside the basement. Photograph taken by Ron Huntington on May 6, 2004.

Figure 2-13. Photograph showing the grinding waste in SWMU 12. Photograph taken by Glenn May on May 6, 2004.

Figure 2-14. Photograph showing the test trench excavated across the south arm of the "U" shaped Settling Lagoon (SWMU 12). View looking southeast. Photograph taken by Ron Huntington on May 6, 2004.

Figure 2-15. Photograph showing the outer sidewall (south arm) of SWMU 12 following excavation. View looking southwest. Photograph taken by Glenn May on July 22, 2004.



LEGEND:

- CONFIRMATORY SAMPLE LOCATION WHERE ADDITIONAL EXCAVATION TOOK PLACE
- FINAL CONFIRMATORY SAMPLE LOCATION
- EXISTING MONITORING WELL LOCATION

EXCAVATION & SAMPLE LOCATION MAP – LAGOON & SE DITCH

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 03/15/05 DRAWING: Lagoon Map.dwg

SITE NAME: SPAULDING COMPOSITES SITE

FIGURE 2-16

Figure 2-17. Photograph showing the SWMU 12 excavation (north arm). View looking northeast from the base of the lagoon. Photograph taken by Glenn May on July 23, 2004.

Figure 2-18. Photograph showing the SWMU 12 excavation (base). View looking northwest from the south arm of the lagoon. Photograph taken by Glenn May on July 27, 2004.

Figure 2-19. Photograph showing the SWMU 12 excavation (south arm). View looking northeast from the base of the lagoon. Photograph taken by Glenn May on July 28, 2004.

Figure 2-20. Photograph showing the SWMU 12 excavation (north arm). View looking northeast from the base of the lagoon. Photograph taken by Glenn May on July 28, 2004.

Figure 2-21. Photograph showing the SWMU 12 surveying activities. View looking southwest from the base of the lagoon toward the south arm. Photograph taken by Glenn May on July 28, 2004.

Figure 2-22. Photograph showing the "U" shaped Settling Lagoon (SWMU 12) following heavy rainfall over the previous weekend. Note the high water mark approximately 2 feet below the surface. View looking south. Photograph taken by Glenn May on August 2, 2004.

Figure 2-23. Photograph showing the "U" shaped Settling Lagoon (SWMU 12) after being pumped almost dry. View looking south. Photograph taken by Glenn May on August 3, 2004.

Figure 2-24. Photograph showing the inflow pipe to the north arm of the "U" shaped Settling Lagoon (SWMU 12). View looking east. Photograph taken by Glenn May on August 6, 2004.

Figure 2-25. Photograph showing the outflow pipe from the south arm of the "U" shaped Settling Lagoon (SWMU 12) to the K-Line sewer. View looking north. Photograph taken by Glenn May on August 6, 2004.

Figure 2-26. Photograph showing the completed SWMU 12 excavation (south arm). View looking northeast. Photograph taken by Glenn May on August 6, 2004.

Figure 2-27. Photograph showing the completed SWMU 12 excavation (north arm). View looking northeast. Photograph taken by Glenn May on August 9, 2004.

Figure 2-28. Photograph showing the direct loading of trucks during the initial excavation of SWMU 12. View looking northwest. Photograph taken by Glenn May on July 21, 2004.

Figure 2-29. Photograph showing the soil staging pad being constructed over the SWMU 23 area. View looking south. Photograph taken by Glenn May on August 3, 2004.

Figure 2-30. Photograph showing the start of backfilling activities at SWMU 12 (south arm). View looking southwest. Photograph taken by Glenn May on August 10, 2004.

Figure 2-31. Photograph showing the completed backfilling of SWMU 12. View looking southwest. Photograph taken by Glenn May on August 26, 2004.

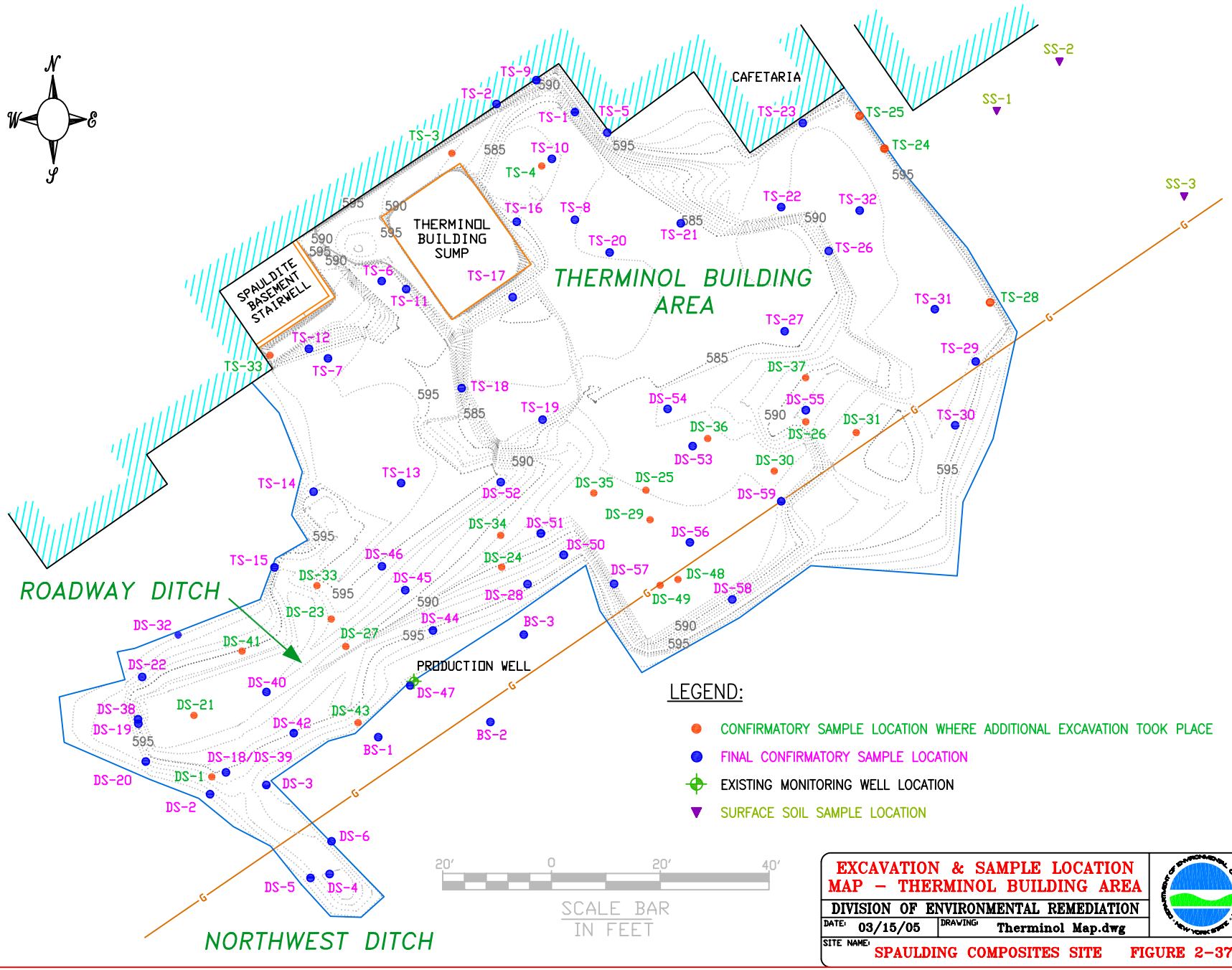
Figure 2-32. Photograph showing the outflow pipe from the south arm of the "U" shaped Settling Lagoon (SWMU 12) being plugged with native silty clay. View looking northeast. Photograph taken by Glenn May on August 27, 2004.

Figure 2-33. Photograph showing the initial excavation of the Southeast Ditch. View looking southeast. Photograph taken by Glenn May on August 31, 2004.

Figure 2-34. Photograph showing the continued excavation of the Southeast Ditch. The pipes in the background conveyed fuel oil from a tank farm located to the right of this photo to the Boiler House. View looking southeast. Photograph taken by Glenn May on September 1, 2004.

Figure 2-35. Photograph showing the final excavation of the Southeast Ditch. Note that the pipes have been cut and capped. View looking southeast. Photograph taken by Glenn May on October 11, 2004.

Figure 2-36. Photograph showing the backfilling of the Southeast Ditch. View looking southeast. Photograph taken by Glenn May on October 29, 2004.


N
W
E
S
CAFETARIA
SS-1
SS-2
SS-3
THERMINOL BUILDING SUMP
SPAULDITE BASEMENT STAIRWELL
THERMINOL BUILDING AREA
ROADWAY DITCH
NORTHWEST DITCH
PRODUCTION WELL
TS-1
TS-2
TS-3
TS-4
TS-5
TS-6
TS-7
TS-8
TS-9
TS-10
TS-11
TS-12
TS-13
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DS-52
DS-53
DS-54
DS-55
DS-56
DS-57
DS-58
DS-59
BS-1
BS-2
BS-3
585
590
595
LEGEND:
CONFIRMATORY SAMPLE LOCATION WHERE ADDITIONAL EXCAVATION TOOK PLACE
FINAL CONFIRMATORY SAMPLE LOCATION
EXISTING MONITORING WELL LOCATION
SURFACE SOIL SAMPLE LOCATION
20′
0
20′
40′
SCALE BAR
IN FEET
EXCAVATION & SAMPLE LOCATION
MAP – THERMINOL BUILDING AREA
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 03/15/05
DRAWING: Therminol Map.dwg
SITE NAME: SPAULDING COMPOSITES SITE
FIGURE 2-37

Figure 2-38. Photograph showing the initial excavation of the Northwest Ditch. View looking southeast. Photograph taken by Glenn May on August 31, 2004.

Figure 2-39. Photograph showing the final excavation of the Northwest Ditch. View looking southeast. Photograph taken by Glenn May on October 11, 2004.

Figure 2-40. Photograph showing the grinding waste (rusty color approximately 1 foot above the floor of the excavation) left in the Roadway Ditch due to the presence of the field trailers. View looking southwest. Photograph taken by Glenn May on October 11, 2004.

Figure 2-41. Photograph showing the merger of the Roadway Ditch excavation with the SWMU 38 (Therminol Building) excavation. View looking northeast. Photograph taken by Glenn May on October 15, 2004.

Figure 2-42. Photograph showing the excavation of the trench as part of the Roadway Ditch remediation. The SWMU 38 excavation is located to the left of the excavator, while the contaminated soil stockpile can be observed in the background. View looking east. Photograph taken by Glenn May on October 22, 2004.

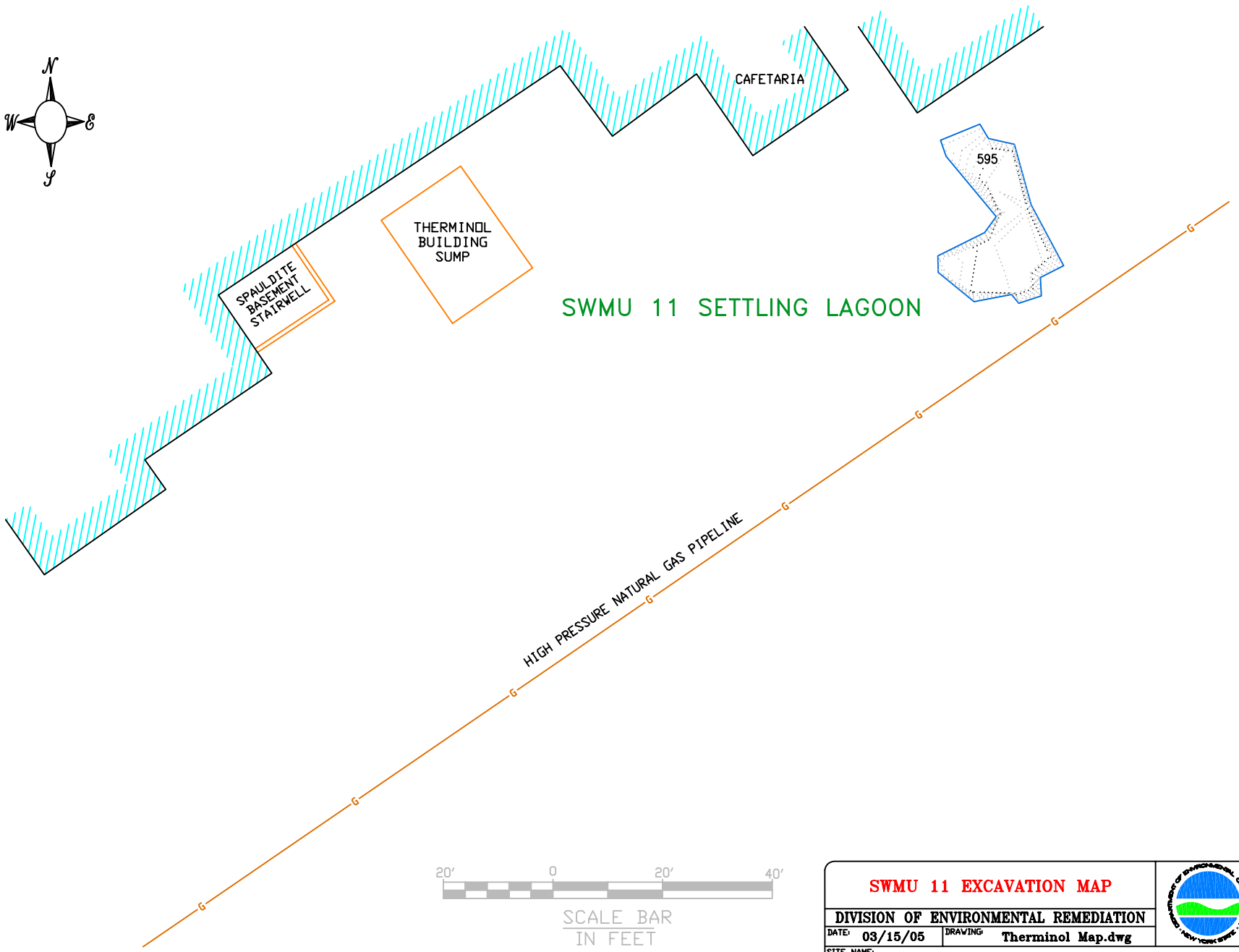
Figure 2-43. Photograph showing the final excavation of the trench associated with the Roadway Ditch. Note the bracing utilized to support the high pressure natural gas pipeline. View looking southwest. Photograph taken by Glenn May on November 1, 2004.

Figure 2-44. Photograph showing the initial excavation of the berm located between the Roadway Ditch (foreground) and SWMU 12 (background). View looking south. Photograph taken by Glenn May on October 22, 2004.

Figure 2-45. Photograph showing the drums removed from the Spauldite Sheet basement during remediation. View looking southeast. Photograph taken by Glenn May on August 27, 2004.

Figure 2-46. Photograph showing some of the debris removed from the Spauldite Sheet basement during remediation. View looking southeast. Photograph taken by Glenn May on August 31, 2004.

Figure 2-47. Photograph showing the remediated Spauldite Sheet basement. View from inside the basement. Photograph taken by Glenn May on September 8, 2004.



SWMU 11 EXCAVATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

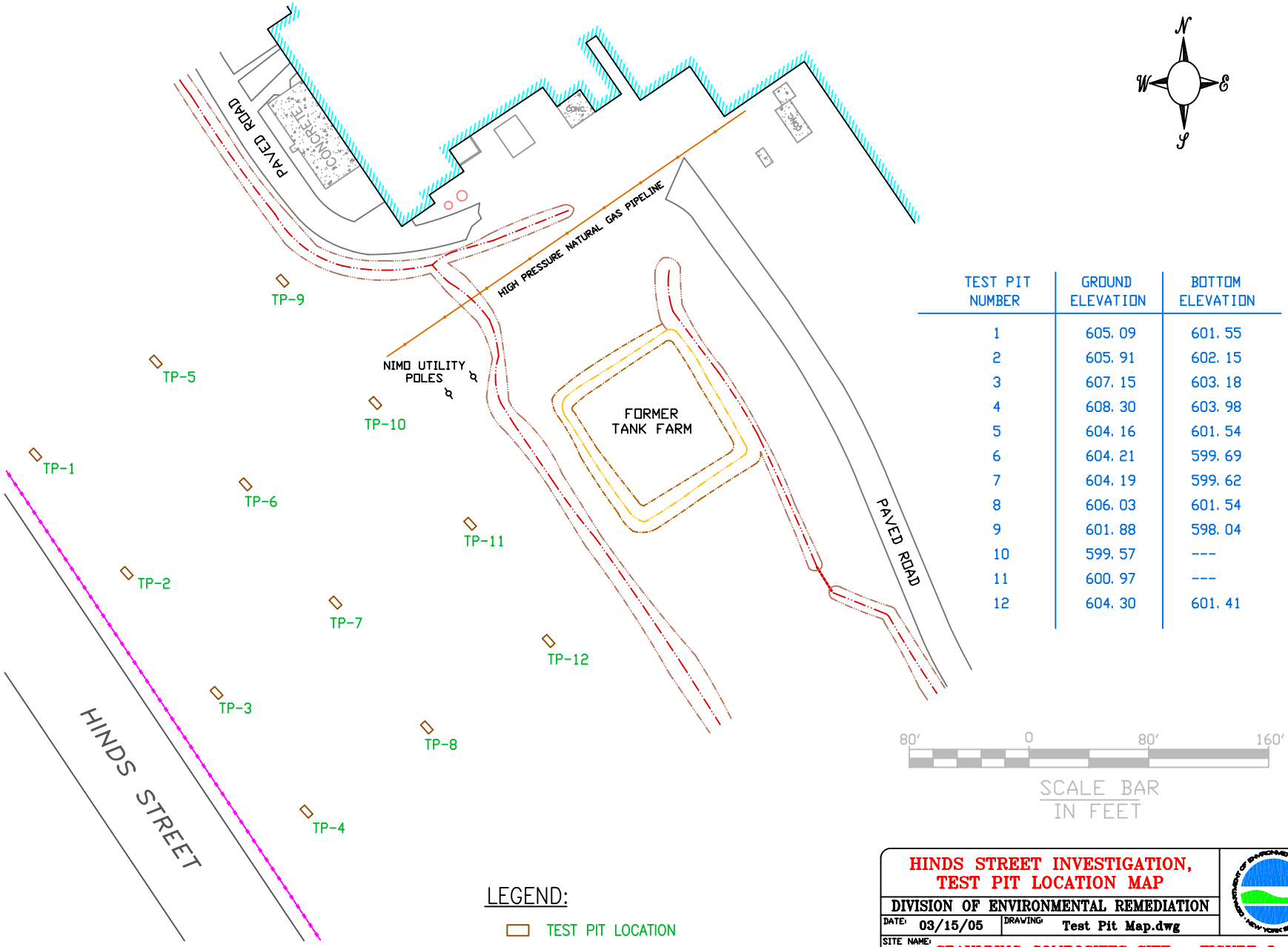
DATE: 03/15/05 DRAWING: Therminol Map.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 2-48

Figure 2-49. Photograph showing the button ash that was encountered under the clean soil stockpile. View looking north. Photograph taken by Glenn May on May 2, 2006.

Figure 2-50. Photograph showing a closeup of the button ash underlying the clean soil stockpile. Photograph taken by Glenn May on August 26, 2004.

Figure 2-51. Photograph showing the stockpiled button ash. View looking northeast. Photograph taken by Glenn May on September 14, 2004.



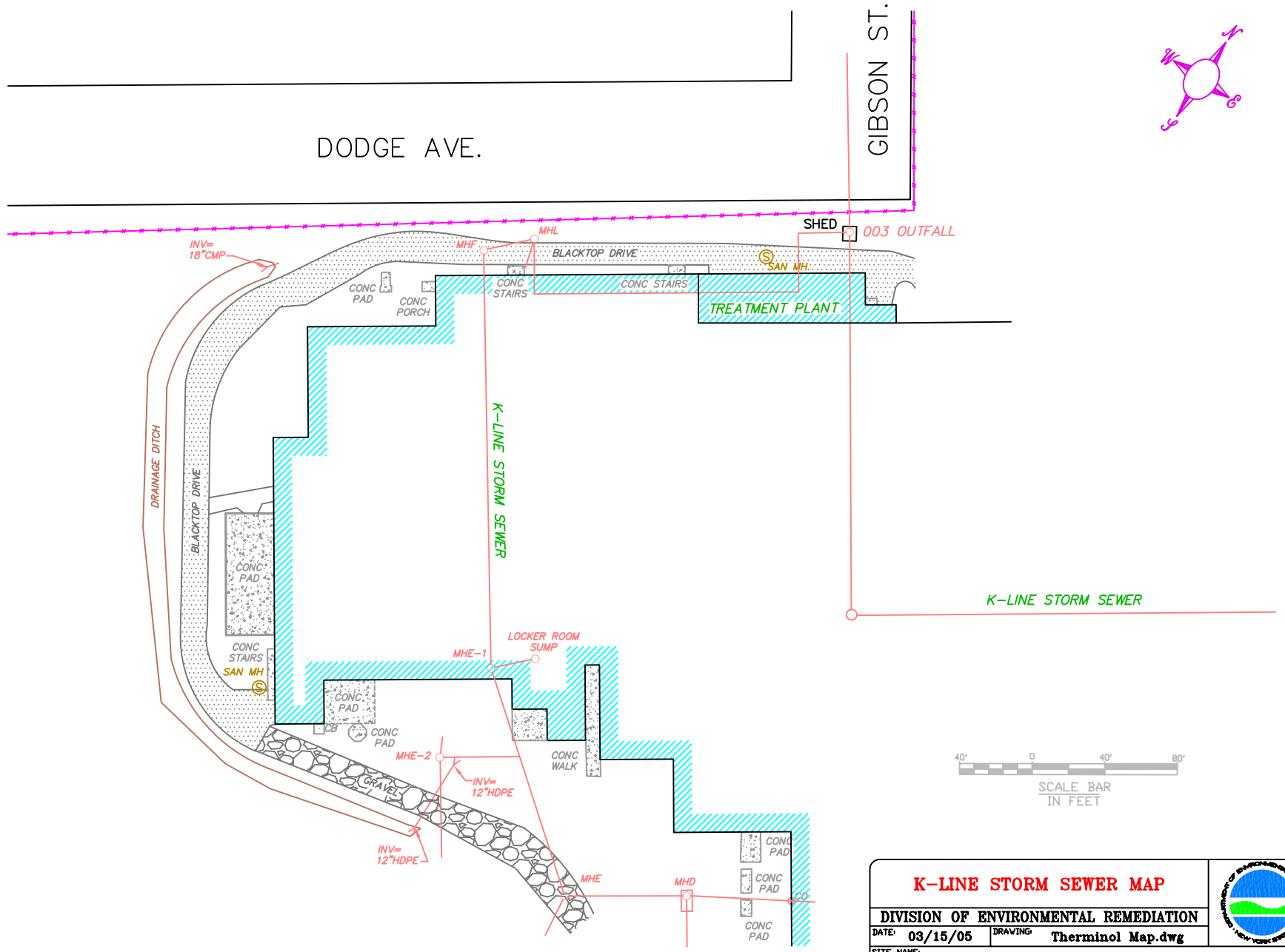
TEST PIT NUMBER	GROUND ELEVATION	BOTTOM ELEVATION
1	605.09	601.55
2	605.91	602.15
3	607.15	603.18
4	608.30	603.98
5	604.16	601.54
6	604.21	599.69
7	604.19	599.62
8	606.03	601.54
9	601.88	598.04
10	599.57	---
11	600.97	---
12	604.30	601.41

HINDS STREET INVESTIGATION, TEST PIT LOCATION MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 03/15/05 DRAWING: Test Pit Map.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 2-52



K-LINE STORM SEWER MAP

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 03/15/05 DRAWING: Therminol Map.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 2-53

Figure 2-54. Photograph showing the K-Line storm sewer near the former Therminol Building after it was plugged with bricks and mortar. View looking northwest. Photograph taken by Glenn May on October 21, 2004.

Figure 2-55. Photograph showing the form constructed around the K-Line storm sewer near the former Therminol Building in preparation for the concrete pour. View looking northeast. Photograph taken by Glenn May on June 9, 2005.

Figure 2-56. Photograph showing the concrete being poured into the form around the K-Line storm sewer. View looking northwest. Photograph taken by Glenn May on June 10, 2005.

Figure 2-57. Photograph showing the completed concrete plug around the K-Line storm sewer near the former Therminol Building. View looking northwest. Photograph taken by Glenn May on June 10, 2005.

Figure 2-58. Photograph showing the NAPL encountered along the outside wall of the Spauldite Sheet basement. View looking northwest. Photograph taken by Glenn May on September 28, 2004.

Figure 2-59. Photograph showing the NAPL encountered along the outside wall of the Spauldite Sheet basement. View looking west. Photograph taken by Glenn May on September 28, 2004.

Figure 2-60. Photograph showing the final excavation along building foundations. View looking northwest. Photograph taken by Glenn May on October 11, 2004.

Figure 2-61. Photograph showing the final excavation along the Spauldite Sheet basement stairwell. The crushed stone in the background contains NAPL, but could not be removed during the Phase 1 IRM due to an adjacent building. View looking west. Photograph taken by Glenn May on October 11, 2004.

Figure 2-62. Photograph showing the final excavation of the western portion of the Therminol Building area. View looking northwest. Photograph taken by Glenn May on October 15, 2004.

Figure 2-63. Photograph showing NAPL in a vertical dessication crack. View looking northeast. Photograph taken by Glenn May on October 21, 2004.

Figure 2-64. Photograph showing the deep excavation centered on former manhole MHE-2. The Therminol Building sump is to the immediate right, while the Roadway Ditch excavation is to the left. View looking west. Photograph taken by Glenn May on November 1, 2004.

Figure 2-65. Photograph showing the final excavation of the Therminol Building area in front of the Cafeteria. View looking northwest. Photograph taken by Glenn May on October 22, 2004.

Figure 2-66. Photograph showing the southeastern limit of the Therminol Building excavation. Note the black cinders and ash underlying the roadway. View looking southeast. Photograph taken by Glenn May on October 22, 2004.

Figure 2-67. Photograph showing the fill material in the east wall of the Therminol Building excavation. This fill is associated with the SWMU 11 Settling Lagoon. View looking north. Photograph taken by Glenn May on October 22, 2004.

Figure 2-68. Photograph showing the start of backfilling activities at SWMU 38 and the Roadway Ditch. View looking northeast. Photograph taken by Glenn May on November 9, 2004.

Figure 2-69. Photograph showing backfilling activities at SWMU 38 and the Roadway Ditch. View looking north. Photograph taken by Glenn May on November 15, 2004.

Figure 2-70. Photograph showing backfilling activities at SWMU 38 and the Roadway Ditch. View looking northeast. Photograph taken by Glenn May on November 16, 2004.

Figure 2-71. Photograph showing the replaced roadway across the SWMU 38 and Roadway Ditch areas. View looking east. Photograph taken by Glenn May on June 9, 2005.

Figure 2-72. Photograph showing the inside of the Spauldite Sheet Building following the removal of spent carbon. View looking south. Photograph taken by Glenn May on February 4, 2005.

Figure 4-1. Photograph showing the three Supertherm Tanks prior to removal. View looking northwest. Photograph taken by Ron Huntington on June 8, 2005.

Figure 4-2. Photograph showing the cinder block building and two Supertherm Tanks prior to removal. View looking west. Photograph taken by Ron Huntington on June 8, 2005.

Figure 4-3. Photograph showing the small Supertherm Tank after all piping and insulation was removed. View looking northeast. Photograph taken by Glenn May on July 25, 2005.

Figure 4-4. Photograph showing the remaining piping, pipe supports and Supertherm Tank. View looking northwest. Photograph taken by Glenn May on August 1, 2005.

Figure 4-5. Photograph showing the removal of piping during the Supertherm Tank removal. View looking northeast. Photograph taken by Glenn May on August 1, 2005.

Figure 4-6. Photograph showing the cinder block building following demolition. View looking northeast. Photograph taken by Glenn May on August 2, 2005.

Figure 4-7. Photograph showing piping and pipe supports from the Supertherm Tank removal. View looking south. Photograph taken by Glenn May on August 2, 2005.

Figure 4-8. Photograph showing the last Supertherm Tank being pulled to the ground. View looking north. Photograph taken by Glenn May on August 3, 2005.

Figure 4-9. Photograph showing the last Supertherm Tank after being pulled to the ground. View looking north. Photograph taken by Glenn May on August 3, 2005.

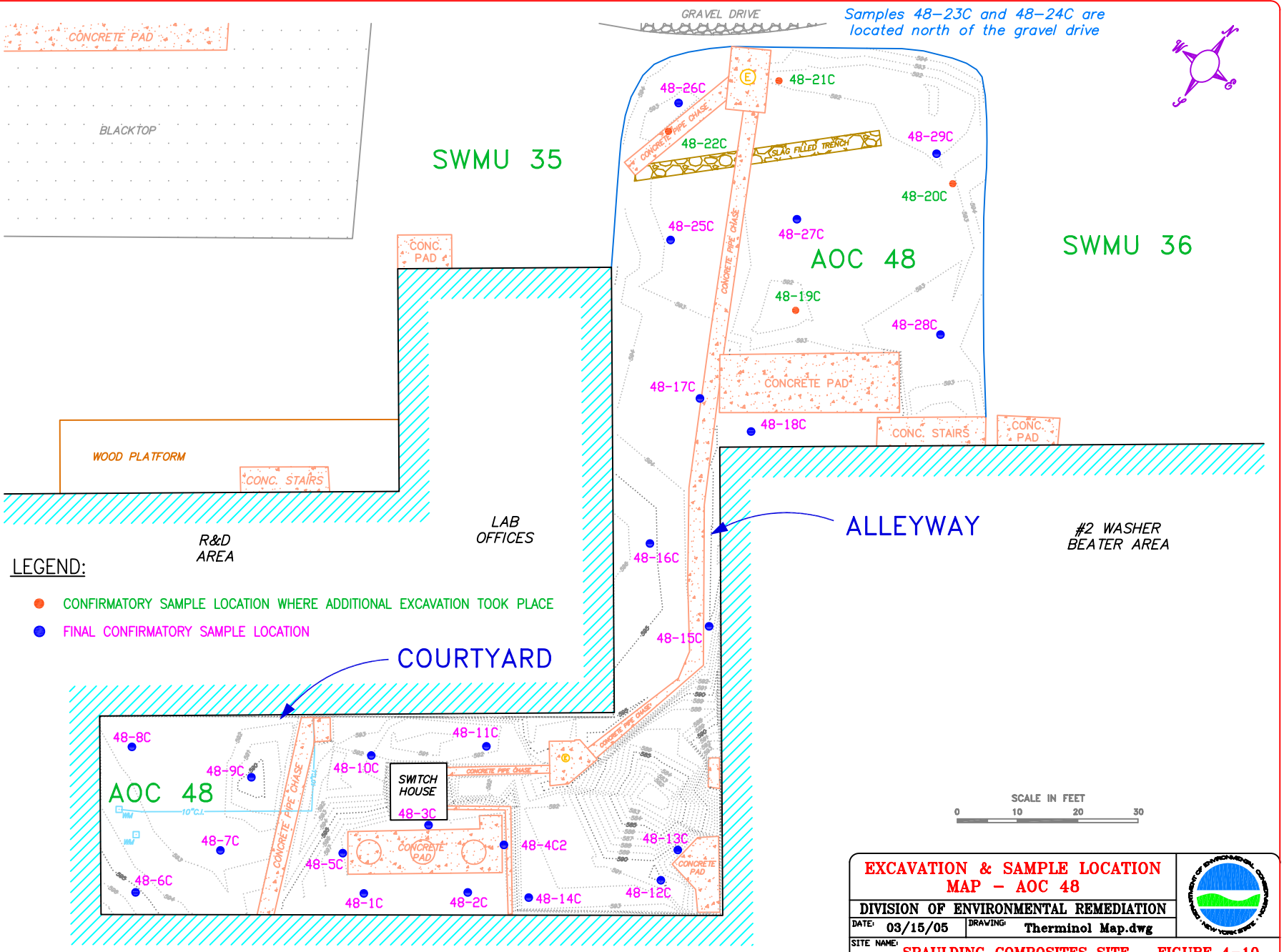

GRAVEL DRIVE
Samples 48-23C and 48-24C are located north of the gravel drive
CONCRETE PAD
BLACKTOP
SWMU 35
48-26C
48-21C
48-22C
SLAG FILLED TRENCH
48-29C
48-20C
48-25C
48-27C
AOC 48
SWMU 36
CONC. PAD
CONCRETE PIPE CHASE
48-19C
48-28C
48-17C
CONCRETE PAD
48-18C
CONC. STAIRS
CONC. PAD
WOOD PLATFORM
CONC. STAIRS
R&D AREA
LAB OFFICES
ALLEYWAY
#2 WASHER BEATER AREA
48-16C
48-15C
LEGEND:
CONFIRMATORY SAMPLE LOCATION WHERE ADDITIONAL EXCAVATION TOOK PLACE
FINAL CONFIRMATORY SAMPLE LOCATION
COURTYARD
48-8C
48-11C
48-9C
48-10C
SWITCH HOUSE
AOC 48
48-3C
48-7C
48-4C2
48-13C
48-5C
CONCRETE PAD
48-6C
48-1C
48-2C
48-14C
48-12C
SCALE IN FEET
0 10 20 30
EXCAVATION & SAMPLE LOCATION MAP - AOC 48
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 03/15/05
DRAWING: Therminol Map.dwg
SITE NAME: SPAULDING COMPOSITES SITE
FIGURE 4-10

Figure 4-11. Photograph showing the excavation around the concrete pad at AOC 48 nearing completion. View looking northeast. Photograph taken by Jim Tuk on October 5, 2005.

Figure 4-12. Photograph showing the soil staging pad constructed at the west end of the Spauldite Sheet Building. View looking southeast. Photograph taken by Jim Tuk on October 5, 2005.

Figure 4-13. Photograph showing the initial backfilling around the concrete pad. View looking northeast. Photograph taken by Glenn May on October 12, 2005.

Figure 4-14. Photograph showing the initial excavation of the west end of the courtyard. View looking northwest. Photograph taken by Jim Tuk on October 13, 2005.

Figure 4-15. Photograph showing the final excavation of the west end of the courtyard. View looking west. Photograph taken by Jim Tuk on October 19, 2005.

Figure 4-16. Photograph showing the east end of the courtyard following the removal of 1 foot of hazardous soils. View looking southwest. Photograph taken by Jim Tuk on October 19, 2005.

Figure 4-17. Photograph showing the alleyway following the removal of 1 foot of hazardous soils. View looking southeast. Photograph taken by Jim Tuk on October 20, 2005.

Figure 4-18. Photograph showing the east end of the courtyard following the removal of non-hazardous soils. View looking south. Photograph taken by Jim Tuk on October 24, 2005.

Figure 4-19. Photograph showing the deep excavation at the east end of the courtyard. View looking east. Photograph taken by Jim Tuk on October 25, 2005.

Figure 4-20. Photograph showing the deep excavation nearing completion. View looking south. Photograph taken by Jim Tuk on October 26, 2005.

Figure 4-21. Photograph showing the final excavation of the alleyway. View looking south. Photograph taken by Jim Tuk on November 2, 2005.

Figure 4-22. Photograph showing the final excavation of AOC 48 outside the alleyway. View looking east. Photograph taken by Glenn May on May 25, 2006.

Figure 4-23. Photograph showing the final excavation of AOC 48 outside the alleyway. View looking southeast. Photograph taken by Glenn May on May 25, 2006.

Figure 4-24. Photograph showing the final excavation of AOC 48 outside the alleyway. View looking slightly southeast. Photograph taken by Glenn May on May 25, 2006.

Figure 4-25. Photograph showing the placement of geofabric on the ground surface during construction of the truck turnaround. View looking north. Photograph taken by Jim Tuk on October 28, 2005.

Figure 4-26. Photograph showing the completed truck turnaround. View looking west. Photograph taken by Jim Tuk on November 1, 2005.

Figure 4-27. Photograph showing the completed backfilling of the deep excavation at the east end of the courtyard. View looking southeast. Photograph taken by Jim Tuk on November 3, 2005.

Figure 4-28. Photograph showing the completed backfilling of AOC 48 outside the alleyway. View looking east. Photograph taken by Glenn May on September 6, 2006.

Figure 4-29. Photograph showing the completed backfilling of AOC 48 outside the alleyway. View looking south. Photograph taken by Glenn May on September 6, 2006.

Figure 4-30. Photograph showing the placement of poly over the sidewalls of the excavation to form a demarcation layer. View looking northeast. Photograph taken by Glenn May on September 6, 2006.

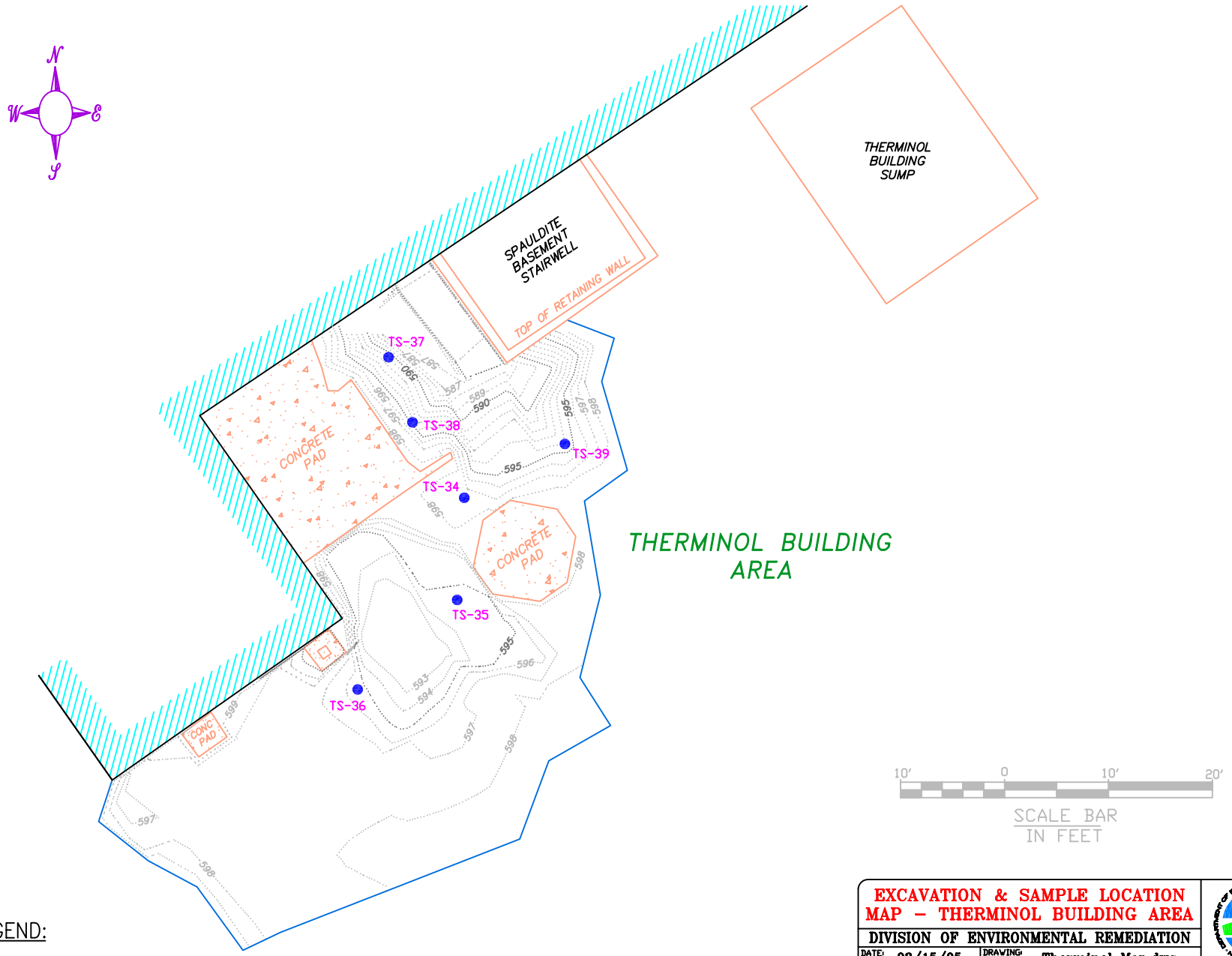

N
W
E
S
THERMINOL BUILDING SUMP
SPAULDITE BASEMENT STAIRWELL
TOP OF RETAINING WALL
TS-37
TS-38
TS-39
TS-34
TS-35
TS-36
CONCRETE PAD
CONCRETE PAD
CONC PAD
THERMINOL BUILDING AREA
10' 0 10' 20'
SCALE BAR IN FEET
LEGEND:
FINAL CONFIRMATORY SAMPLE LOCATION
EXCAVATION & SAMPLE LOCATION MAP – THERMINOL BUILDING AREA
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 03/15/05
DRAWING: Therminol Map.dwg
SITE NAME: SPAULDING COMPOSITES SITE
FIGURE 4-31

Figure 4-32. Photograph showing the start of excavation along the Spauldite Sheet basement stairwell. View looking north. Photograph taken by Glenn May on October 5, 2006.

Figure 4-33. Photograph showing NAPL in the excavation along the Spauldite Sheet basement stairwell. View looking slightly northwest. Photograph taken by Glenn May on October 5, 2006.

Figure 4-34. Photograph showing a closeup view of the NAPL in the excavation along the Spauldite Sheet basement stairwell. View looking slightly northwest. Photograph taken by Glenn May on October 5, 2006.

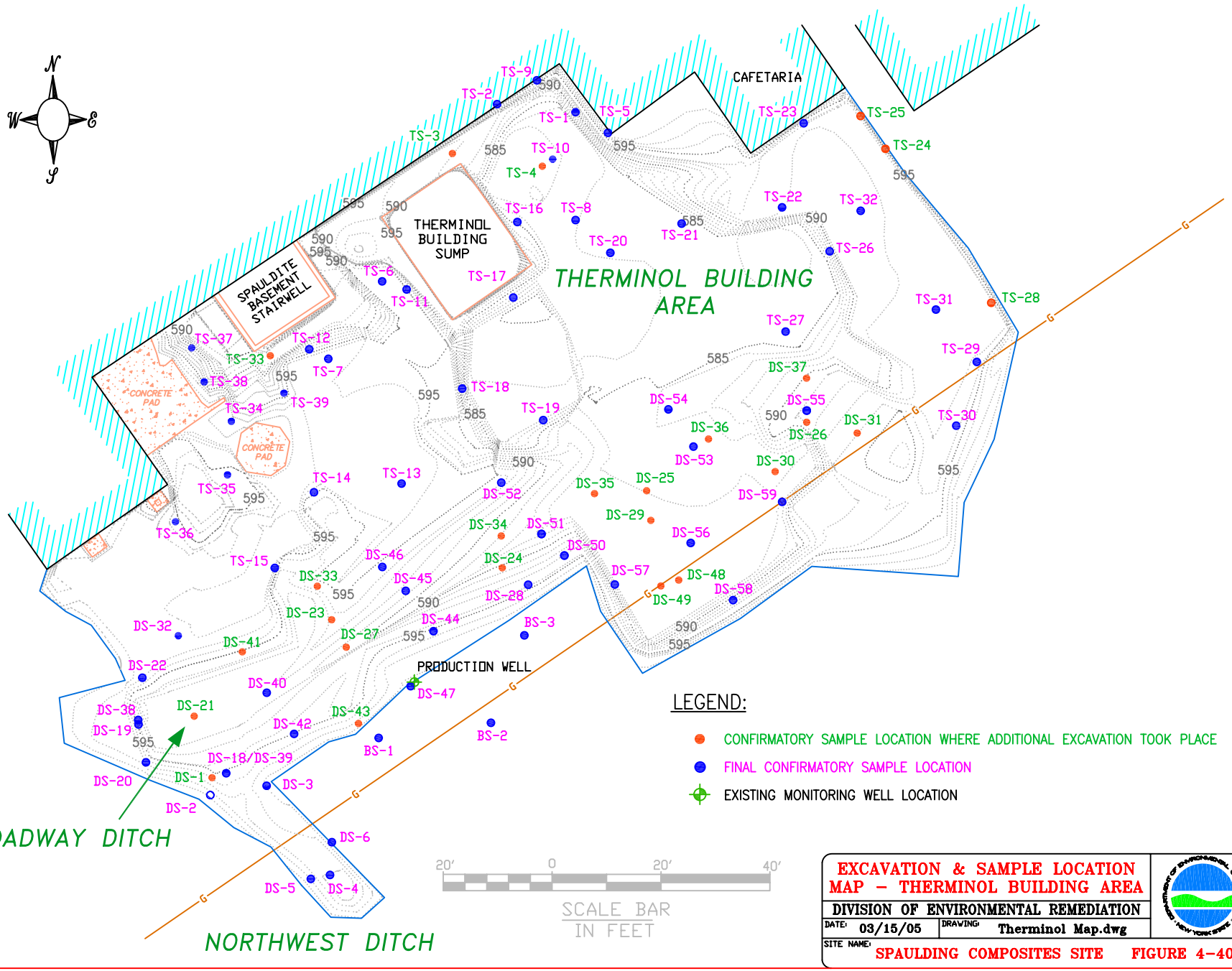
Figure 4-35. Photograph showing the excavation around a former Supertherm Tank pad. View looking southeast. Photograph taken by Jim Tuk on November 4, 2005.

Figure 4-36. Photograph showing the final excavation of the western portion of the Therminol Building area. View looking northwest. Photograph taken by Jim Tuk on November 7, 2005.

Figure 4-37. Photograph showing the final excavation of the western portion of the Therminol Building area. View looking west. Photograph taken by Jim Tuk on November 7, 2005.

Figure 4-38. Photograph showing the final excavation along the Spauldite Sheet basement stairwell. View looking slightly northwest. Photograph taken by Glenn May on September 7, 2006.

Figure 4-39. Photograph showing the final excavation along the Spauldite Sheet basement stairwell. View looking southeast. Photograph taken by Glenn May on September 7, 2006.



EXCAVATION & SAMPLE LOCATION MAP – THERMINOL BUILDING AREA

DIVISION OF ENVIRONMENTAL REMEDIATION

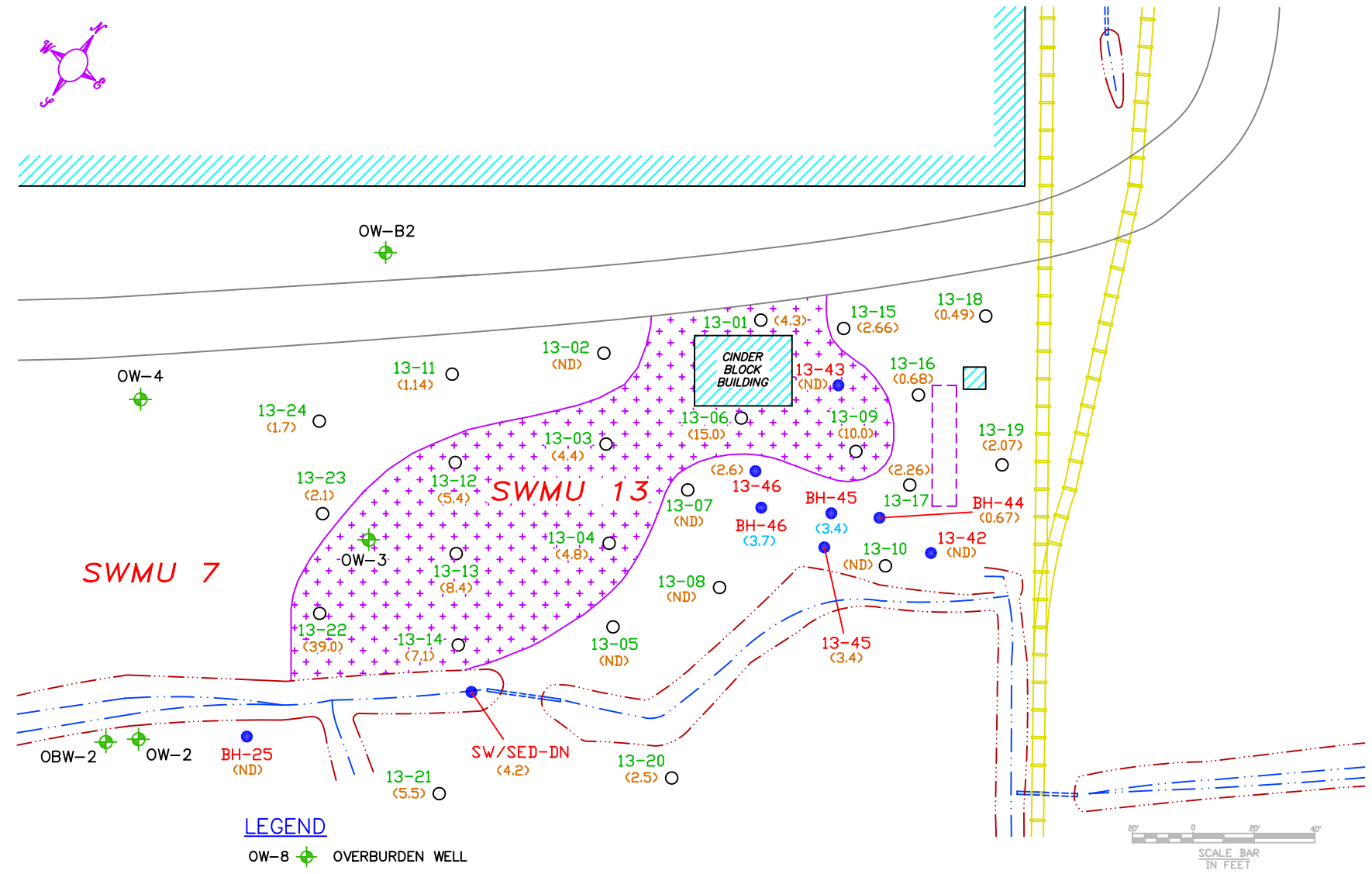
DATE: 03/15/05 DRAWING: Therminol Map.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 4-40

Figure 4-41. Photograph showing the rebuilding of the roadway across the western portion of the Therminol Building area. View looking southwest. Photograph taken by Jim Tuk on November 14, 2005.

Figure 4-42. Photograph showing the completed backfilling of the western portion of the Therminol Building area. View looking north. Photograph taken by Glenn May on May 2, 2006.

Figure 4-43. Photograph showing the completed backfilling of the western portion of the Therminol Building area. View looking north. Photograph taken by Glenn May on September 27, 2006.



LEGEND

- OW–8 — OVERBURDEN WELL
- 13–03 — 2005 SURFACE SOIL SAMPLE
- 13–42 — HISTORICAL SAMPLE
- (13.9) — DEXSIL PCB CONCENTRATION (ppm)
- (17.2) — LAB PCB CONCENTRATION (ppm)
- PCB CONCENTRATION ABOVE 3.5 ppm

PCB SOIL CONCENTRATION MAP FOR SWMU 13: 0'–1' INTERVAL

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 08/18/05 DRAWING: SWMU 13.dwg

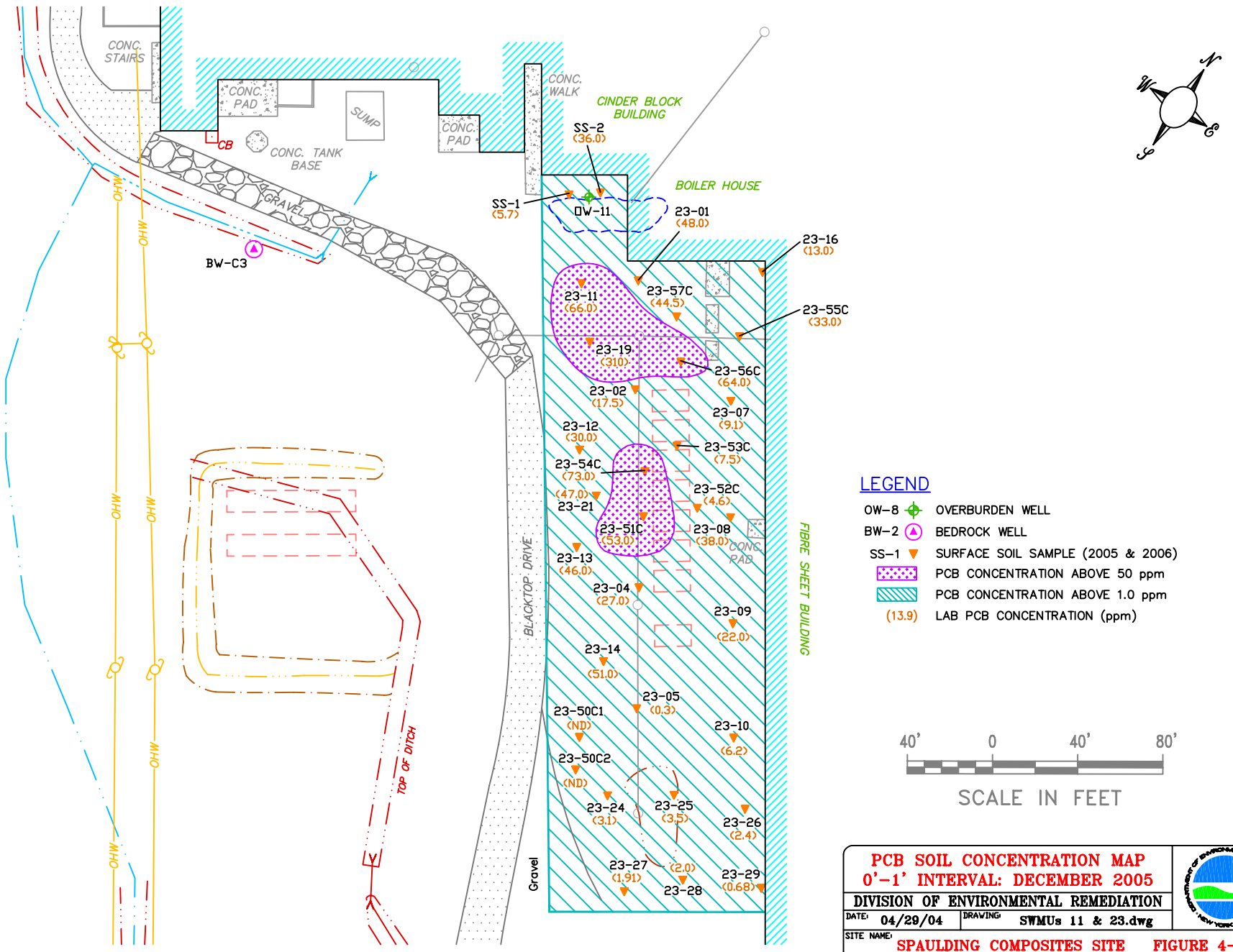
SITE NAME: SPAULDING COMPOSITES SITE

FIGURE 4–44

Figure 4-45. Photograph showing the fill material encountered in the SWMU 13 excavation. The mounded area in the background is the Resin Drum Landfill (SWMU 7). View looking southwest. Photograph taken by Jim Tuk on November 21, 2005.

Figure 4-46. Photograph showing the fill material encountered in the SWMU 13 excavation. View looking southwest. Photograph taken by Jim Tuk on November 21, 2005.

Figure 4-47. Photograph showing a closeup of the grinding waste encountered in the SWMU 13 excavation. View looking southwest. Photograph taken by Glenn May on May 2, 2006.

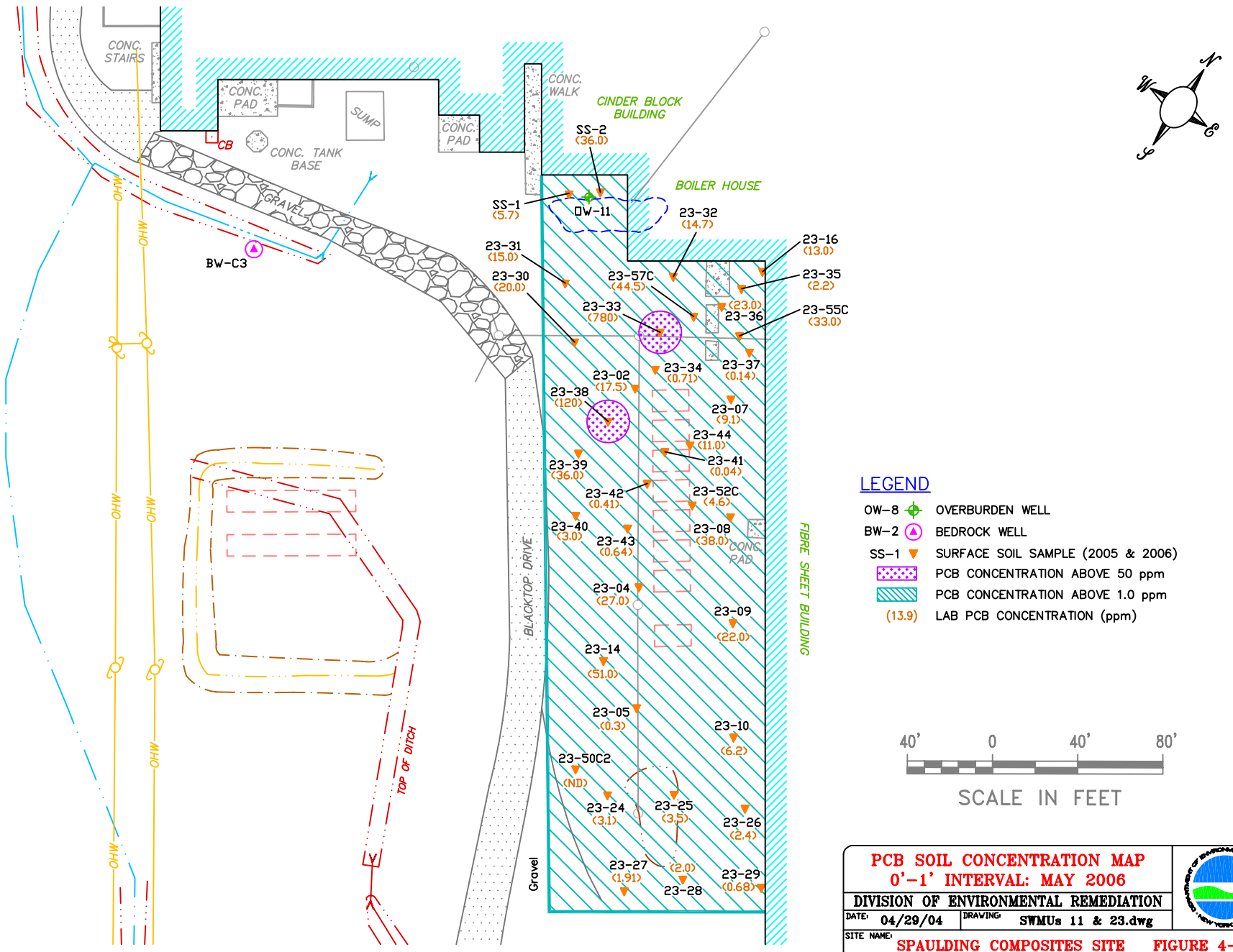


PCB SOIL CONCENTRATION MAP
0'-1' INTERVAL: DECEMBER 2005

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 04/29/04 DRAWING: SWMUs 11 & 23.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 4-48

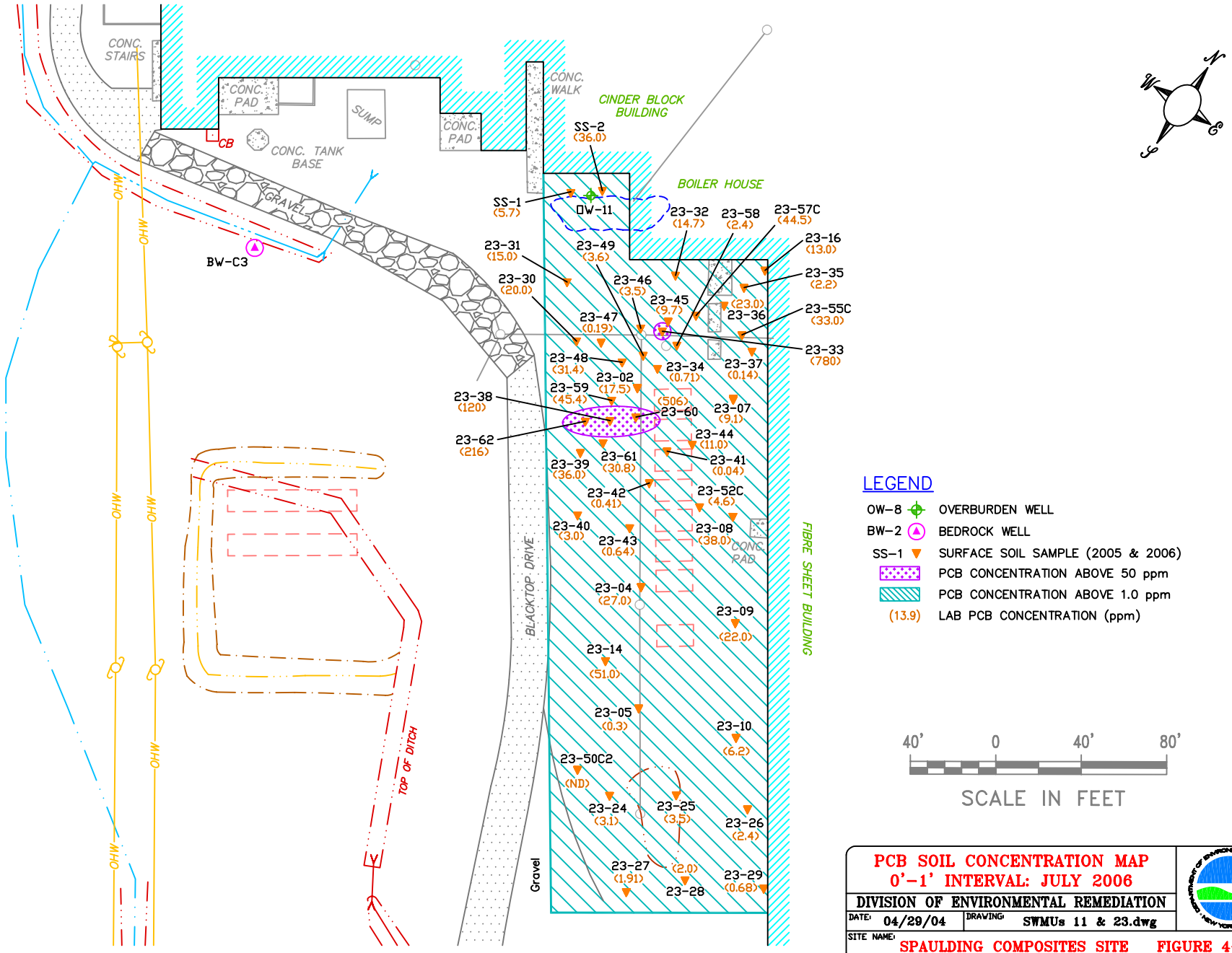


PCB SOIL CONCENTRATION MAP
0'–1' INTERVAL: MAY 2006

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 04/29/04 DRAWING: SWMUs 11 & 23.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 4-49



PCB SOIL CONCENTRATION MAP
0'–1' INTERVAL: JULY 2006

DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 04/29/04 DRAWING: SWMUs 11 & 23.dwg

SITE NAME: SPAULDING COMPOSITES SITE FIGURE 4-50

Figure 4-51. Photograph showing SWMU 23 following the excavation of RCRA hazardous soils. View looking southeast. The area beyond the concrete vault is shown in Figure 4-52. Photograph taken by Glenn May on September 8, 2006.

Figure 4-52. Photograph showing SWMU 23 following the excavation of RCRA hazardous soils. View looking east. Photograph taken by Glenn May on September 8, 2006.

Figure 4-53. Photograph showing the grinding waste, ash and slag fill from the former ditch near the Boiler House. View looking northeast. Photograph taken by Glenn May on September 27, 2006.

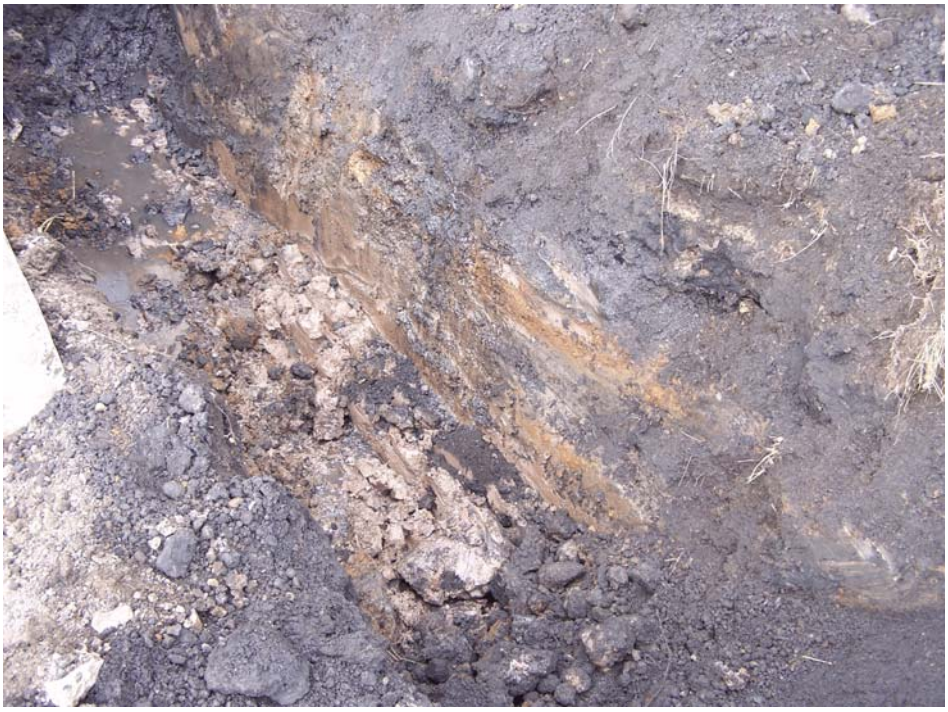


Figure 4-54. Photograph showing a test trench excavated across the former ditch near the Boiler House. View looking north. Photograph taken by Glenn May on September 27, 2006.

Figure 4-55. Photograph showing the start of non-hazardous soil removal at SWMU 23. View looking southeast. Photograph taken by Glenn May on September 27, 2006.

Figure 4-56. Photograph showing the non-hazardous soil stockpile south of SWMU 23. View looking south. Photograph taken by Glenn May on September 27, 2006.

Figure 4-57. Photograph showing the non-hazardous soil stockpile along the roadway west of SWMU 23. View looking north. Photograph taken by Glenn May on September 27, 2006.

Figure 4-58. Photograph showing the concrete debris that was stockpiled near the decontamination pad. View looking northwest. Photograph taken by Glenn May on October 23, 2006.

Figure 4-59. Photograph showing the final excavation of SWMU 23 near the Boiler House. View looking northeast. Photograph taken by Jim Tuk on November 3, 2006.

Figure 4-60. Photograph showing the loading of trucks during the excavation of SWMU 23. View looking southeast. Photograph taken by Jim Tuk on November 3, 2006.

Figure 4-61. Photograph showing the final excavation of SWMU 23. View looking northwest. Photograph taken by Glenn May on November 10, 2006.

Figure 4-62. Photograph showing the final excavation of SWMU 23. View looking north. Photograph taken by Glenn May on November 10, 2006.

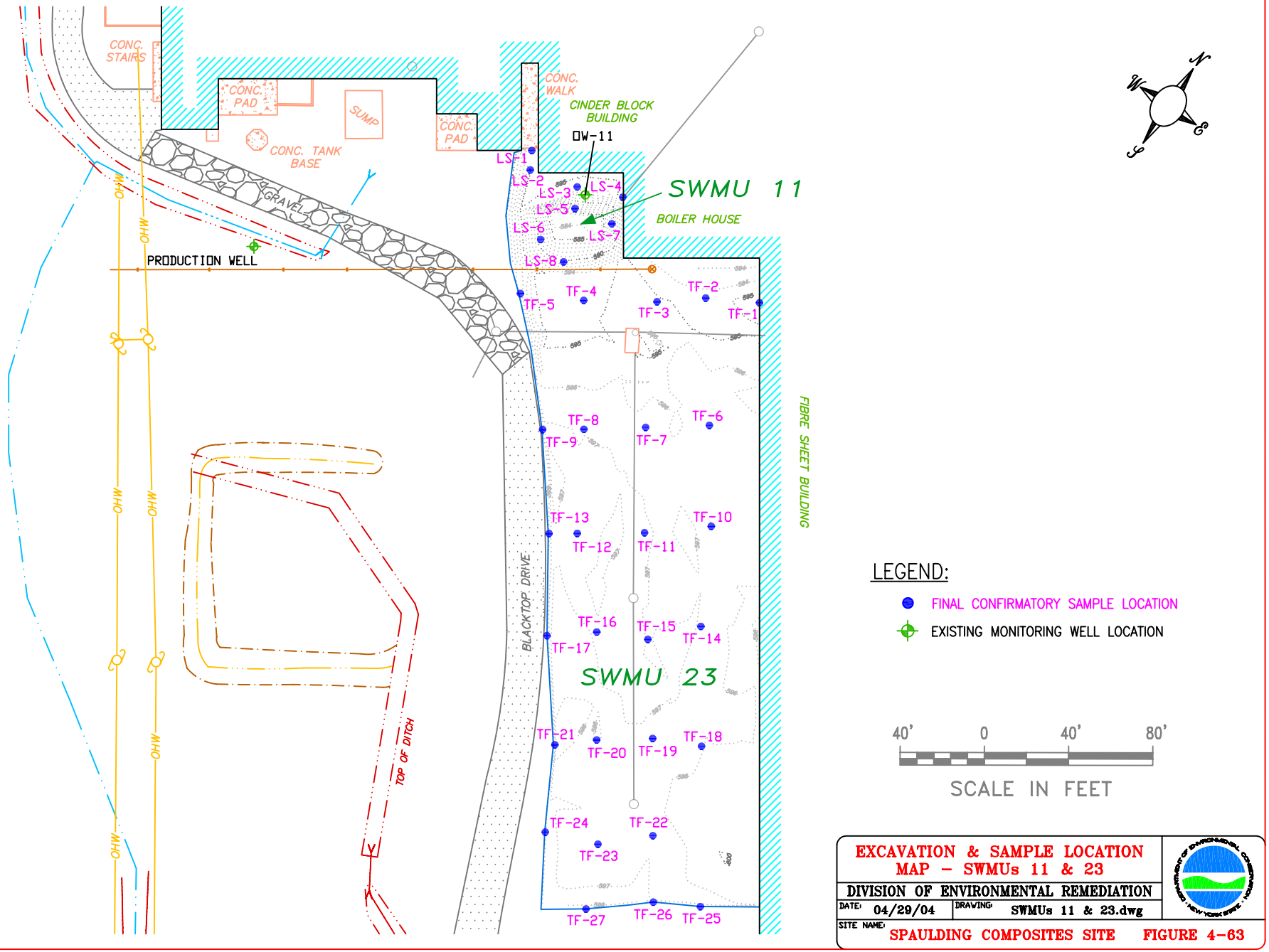

CONC. STAIRS
CONC. PAD
SUMP
CONC. PAD
CONC. WALK
CINDER BLOCK BUILDING
MW-11
CONC. TANK BASE
LS-1
LS-2
LS-3
LS-4
LS-5
LS-6
LS-7
LS-8
SWMU 11
BOILER HOUSE
GRAVEL
PRODUCTION WELL
OHW
TF-1
TF-2
TF-3
TF-4
TF-5
TF-6
TF-7
TF-8
TF-9
TF-10
TF-11
TF-12
TF-13
TF-14
TF-15
TF-16
TF-17
TF-18
TF-19
TF-20
TF-21
TF-22
TF-23
TF-24
TF-25
TF-26
TF-27
BLACKTOP DRIVE
FIBRE SHEET BUILDING
SWMU 23
TOP OF DITCH
LEGEND:
FINAL CONFIRMATORY SAMPLE LOCATION
EXISTING MONITORING WELL LOCATION
40' 0 40' 80'
SCALE IN FEET
EXCAVATION & SAMPLE LOCATION MAP - SWMUs 11 & 23
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 04/29/04
DRAWING: SWMUs 11 & 23.dwg
SITE NAME: SPAULDING COMPOSITES SITE
FIGURE 4-63

Figure 4-64. Photograph showing the start of backfilling activities at the south end of SWMU 23. View looking east. Photograph taken by Glenn May on December 6, 2006.

Figure 4-65. Photograph showing the start of backfilling activities at the south end of SWMU 23. View looking southeast. Photograph taken by Glenn May on December 6, 2006.

Figure 4-66. Photograph showing the continued backfilling of SWMU 23. View looking northeast. Photograph taken by Glenn May on December 13, 2006.

Figure 4-67. Photograph showing the continued backfilling of SWMU 23. View looking north. Photograph taken by Glenn May on December 13, 2006.

Figure 4-68. Photograph showing the grating placed over the southern manhole in the SWMU 23 remediation area. View looking east. Photograph taken by Glenn May on December 13, 2006.

Figure 4-69. Photograph showing the completed backfilling of SWMU 23. View looking southeast. Photograph taken by Glenn May on January 18, 2007.

Figure 4-70. Photograph showing the completed backfilling of SWMU 23. View looking north. Photograph taken by Glenn May on January 23, 2007.

Figure 4-71. Photograph showing the start of excavation of SWMU 11 along the Cinder Block Building. View looking northeast. Photograph taken by Glenn May on October 23, 2006.

Figure 4-72. Photograph showing the SWMU 11 excavation. Note the inflow pipe to the Small Settling Lagoon and the fill material under the Boiler House. View looking northeast. Photograph taken by Glenn May on October 24, 2006.

Figure 4-73. Photograph showing the SWMU 11 excavation. Note the inflow pipe to the lagoon and the fill material under the Boiler House. View looking northeast. Photograph taken by Glenn May on October 24, 2006.

Figure 4-74. Photograph showing the SWMU 11 excavation. Note the fill material in the south sidewall, which was the location of a former ditch. View looking east. Photograph taken by Glenn May on October 24, 2006.

Figure 4-75. Photograph showing the completed SWMU 11 excavation. Note the natural gas pipeline in the background. View looking east. Photograph taken by Glenn May on November 3, 2006.

Figure 4-76. Photograph showing the completed SWMU 11 excavation. View looking northeast. Photograph taken by Glenn May on December 6, 2006.

Table 1-1.
Analytical Results for Operable Unit 2 at the Spaulding Composites Site.

Media	Class	Contaminant of Concern	Concentration Range (ppm)*	Frequency of Exceeding SCGs	SCG (ppm)*
Surface Soil	Volatile Organic Compounds	Ethylbenzene	ND - 72.0	1/9	5.5
		Toluene	ND - 110.0	1/9	1.5
	Semivolatile Organic Compounds	Dichlorobenzene	40.6	1/5	7.9
		Phenol	ND - 0.25	1/5	0.03
		Cresols **	ND - 0.25	0/10	0.1/0.9
		Di-n-butylphthalate	ND - 3.28	0/5	8.1
		Trichlorobenzene	ND	0/8	3.4
	PCBs	PCBs	ND - 500.0	24/31	1.0
	Metals	Zinc	101.0 - 758.0	5/5	SB (95)
Subsurface Soil	Volatile Organic Compounds	Ethylbenzene	ND	0/15	5.5
		Toluene	ND - 0.005	0/15	1.5
	Semivolatile Organic Compounds	Dichlorobenzene	ND - 0.48	0/7	7.9
		Phenol	ND - 57.0	2/7	0.03
		Cresols **	ND - 12.0	3/14	0.1/0.9
		Di-n-butylphthalate	ND - 18.0	2/7	8.1
		Trichlorobenzene	ND - 130.0	2/13	3.4
	PCBs	PCBs	ND - 144,000	86/195	10.0
	Metals	Zinc	70.6 - 345.0	5/7	SB (95)
Groundwater (Well OW-11)	Volatile Organic Compounds	Carbon Disulfide	ND -45.0	0/2	NS
		1,1-Dichloroethane	ND - 1.4	0/2	5.0
		Cis-1,2-Dichloroethene	ND - 1.3	0/2	5.0
	Semivolatile Organic Compounds	Bis (2-ethylhexyl) phthalate	ND - 5.6	0/2	50
	PCBs	PCBs	ND	0/2	0.09
	Metals	Zinc	183 - 520	0/2	2,000

ND **Compound not detected.**
NS **No standard.**
SB **Site background; concentration in parentheses.**
***** **Values for groundwater are in parts per billion (ppb)**
****** **Cresols include 2-methylphenol and 3&4-methylphenol.**

Soil SCGs are from TAGM 4046; Groundwater SCGs are from NYSDEC Ambient Water Quality Standards.

Table 2-1.
Summary of Non-Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest or Ticket Number	Date	Waste Type	Actual Weight (tons)	Transporter	Disposal Location
199951	02/11/04	Asbestos	6.52	BFI	BFI, Niagara Falls, NY
199952	02/11/04	Asbestos	5.62	BFI	BFI, Niagara Falls, NY
199955	02/13/04	Asbestos	15.72	BFI	BFI, Niagara Falls, NY
199956	02/13/04	Asbestos	3.99	BFI	BFI, Niagara Falls, NY
199957	02/13/04	Asbestos	7.93	BFI	BFI, Niagara Falls, NY
199958	02/13/04	Asbestos	1.85	BFI	BFI, Niagara Falls, NY
3918731	02/13/04	Asbestos	7.75	BFI	BFI, Niagara Falls, NY
4253941	06/16/04	Asbestos	1.13	BFI	BFI, Niagara Falls, NY
00001	08/30/04	Filter House debris	3.83	Tonawanda Tank	Chautauqua County Landfill
00002	08/30/04	Filter House debris	1.37	Tonawanda Tank	Chautauqua County Landfill
00003	08/30/04	Filter House debris	6.13	Tonawanda Tank	Chautauqua County Landfill
00004	08/30/04	Filter House debris	5.17	Tonawanda Tank	Chautauqua County Landfill
00005	08/30/04	Filter House debris	5.48	Tonawanda Tank	Chautauqua County Landfill
4264505	09/14/04	Basement debris	4.78	BFI	BFI, Niagara Falls, NY
383917	09/15/04	Basement debris	12.86	BFI	BFI, Niagara Falls, NY
383883	09/16/04	Basement debris	4.29	BFI	BFI, Niagara Falls, NY
4265225	09/20/04	Basement debris	8.14	BFI	BFI, Niagara Falls, NY
54911	09/29/04	Empty drums	1.78	C&W	BFI, Niagara Falls, NY
54912	09/29/04	Empty drums	1.91	C&W	BFI, Niagara Falls, NY
54913	09/29/04	Empty drums	1.77	C&W	BFI, Niagara Falls, NY
54914	09/30/04	Empty drums	1.82	C&W	BFI, Niagara Falls, NY
54915	10/01/04	Empty drums	1.78	C&W	BFI, Niagara Falls, NY
54916	10/06/04	Empty drums	1.73	C&W	BFI, Niagara Falls, NY
54917	10/07/04	Empty drums	1.18	C&W	BFI, Niagara Falls, NY
CW1602	01/18/05	Empty drums	1.11	C&W	Chautauqua County Landfill
			115.64	**Total Tonnage**	

Table 2-2.
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYG2815281	07/01/04	Contaminated Soil	5.64	Tonawanda Tank	CWM, Model City, NY
NYG2815263	07/01/04	Contaminated Soil	3.46	Tonawanda Tank	CWM, Model City, NY
NYG2815299	07/01/04	Contaminated Soil	1.88	Tonawanda Tank	CWM, Model City, NY
NYH1375839	07/21/04	Contaminated Soil	18.88	Tonawanda Tank	CWM, Model City, NY
NYH1375857	07/21/04	Contaminated Soil	22.42	Tonawanda Tank	CWM, Model City, NY
NYH1375848	07/21/04	Contaminated Soil	20.02	Tonawanda Tank	CWM, Model City, NY
NYH1375866	07/22/04	Contaminated Soil	22.85	Tonawanda Tank	CWM, Model City, NY
NYH1375821	07/22/04	Contaminated Soil	20.67	Tonawanda Tank	CWM, Model City, NY
NYH1375794	07/22/04	Contaminated Soil	16.15	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1375776	07/22/04	Contaminated Soil	20.86	Tonawanda Tank	CWM, Model City, NY
NYH1375803	07/22/04	Contaminated Soil	17.03	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406664	07/23/04	Contaminated Soil	22.63	Tonawanda Tank	CWM, Model City, NY
NYH1375812	07/23/04	Contaminated Soil	28.11	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406691	07/23/04	Contaminated Soil	21.35	Tonawanda Tank	CWM, Model City, NY
NYH1386711	07/23/04	Contaminated Soil	28.27	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406682	07/23/04	Contaminated Soil	18.95	Tonawanda Tank	CWM, Model City, NY
NYH1406628	07/26/04	Contaminated Soil	23.38	Tonawanda Tank	CWM, Model City, NY
NYH1386729	07/26/04	Contaminated Soil	28.06	Price Trucking Corp.	CWM, Model City, NY
NYH1406637	07/26/04	Contaminated Soil	19.29	Tonawanda Tank	CWM, Model City, NY
NYH1386702	07/26/04	Contaminated Soil	30.64	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406655	07/26/04	Contaminated Soil	22.88	Tonawanda Tank	CWM, Model City, NY
NYH1386756	07/26/04	Contaminated Soil	31.50	Price Trucking Corp.	CWM, Model City, NY
NYH1386738	07/26/04	Contaminated Soil	27.90	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406646	07/26/04	Contaminated Soil	24.95	Tonawanda Tank	CWM, Model City, NY
NYH1406673	07/26/04	Contaminated Soil	24.48	Tonawanda Tank	CWM, Model City, NY
NYH1386747	07/26/04	Contaminated Soil	35.37	Price Trucking Corp.	CWM, Model City, NY
NYH1406583	07/27/04	Contaminated Soil	23.13	Tonawanda Tank	CWM, Model City, NY
NYH1406565	07/27/04	Contaminated Soil	24.93	Tonawanda Tank	CWM, Model City, NY
NYH1386765	07/27/04	Contaminated Soil	30.89	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406601	07/27/04	Contaminated Soil	22.19	Tonawanda Tank	CWM, Model City, NY
NYH1386774	07/27/04	Contaminated Soil	29.91	Price Trucking Corp.	CWM, Model City, NY
NYH1386819	07/27/04	Contaminated Soil	31.81	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406592	07/27/04	Contaminated Soil	23.91	Tonawanda Tank	CWM, Model City, NY
NYH1406574	07/27/04	Contaminated Soil	21.52	Tonawanda Tank	CWM, Model City, NY
NYH1406619	07/27/04	Contaminated Soil	23.53	Tonawanda Tank	CWM, Model City, NY
NYH1386783	07/27/04	Contaminated Soil	32.42	Price Trucking Corp.	CWM, Model City, NY
NYH1386792	07/27/04	Contaminated Soil	34.33	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406529	07/28/04	Contaminated Soil	23.71	Tonawanda Tank	CWM, Model City, NY
NYH1406547	07/28/04	Contaminated Soil	22.78	Tonawanda Tank	CWM, Model City, NY
NYH1386801	07/28/04	Contaminated Soil	31.05	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406538	07/28/04	Contaminated Soil	24.41	Tonawanda Tank	CWM, Model City, NY
NYH1406556	07/28/04	Contaminated Soil	20.74	Tonawanda Tank	CWM, Model City, NY
NYH1386864	07/28/04	Contaminated Soil	28.92	Price Trucking Corp.	CWM, Model City, NY
NYH1386855	07/28/04	Contaminated Soil	30.87	Buffalo Fuel Corp.	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1406502	07/28/04	Contaminated Soil	23.52	Tonawanda Tank	CWM, Model City, NY
NYH1406511	07/28/04	Contaminated Soil	23.20	Tonawanda Tank	CWM, Model City, NY
NYH1386846	07/28/04	Contaminated Soil	31.36	Price Trucking Corp.	CWM, Model City, NY
NYH1406484	07/29/04	Contaminated Soil	23.56	Tonawanda Tank	CWM, Model City, NY
NYH1406421	07/29/04	Contaminated Soil	22.75	Tonawanda Tank	CWM, Model City, NY
NYH1406466	07/29/04	Contaminated Soil	24.90	Tonawanda Tank	CWM, Model City, NY
NYH1406457	07/29/04	Contaminated Soil	23.93	Tonawanda Tank	CWM, Model City, NY
NYH1386828	07/29/04	Contaminated Soil	39.32	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1386918	07/29/04	Contaminated Soil	36.07	Price Trucking Corp.	CWM, Model City, NY
NYH1406448	07/29/04	Contaminated Soil	24.66	Tonawanda Tank	CWM, Model City, NY
NYH1406475	07/29/04	Contaminated Soil	21.94	Tonawanda Tank	CWM, Model City, NY
NYH1386909	07/29/04	Contaminated Soil	30.40	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1386891	07/29/04	Contaminated Soil	32.93	Price Trucking Corp.	CWM, Model City, NY
NYH1406358	07/29/04	Contaminated Soil	24.03	Tonawanda Tank	CWM, Model City, NY
NYH1406367	07/29/04	Contaminated Soil	23.30	Tonawanda Tank	CWM, Model City, NY
NYH1406385	07/30/04	Contaminated Soil	24.88	Tonawanda Tank	CWM, Model City, NY
NYH1406394	07/30/04	Contaminated Soil	24.82	Tonawanda Tank	CWM, Model City, NY
NYH1386873	07/30/04	Contaminated Soil	34.93	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406439	07/30/04	Contaminated Soil	23.62	Tonawanda Tank	CWM, Model City, NY
NYH1386837	07/30/04	Contaminated Soil	32.89	Price Trucking Corp.	CWM, Model City, NY
NYH1406403	07/30/04	Contaminated Soil	19.96	Tonawanda Tank	CWM, Model City, NY
NYH1386927	07/30/04	Contaminated Soil	32.27	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1386936	07/30/04	Contaminated Soil	32.94	Price Trucking Corp.	CWM, Model City, NY
NYH1406331	08/02/04	Contaminated Soil	22.62	Tonawanda Tank	CWM, Model City, NY
NYH1406313	08/02/04	Contaminated Soil	21.50	Tonawanda Tank	CWM, Model City, NY
NYH1386945	08/02/04	Contaminated Soil	31.03	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406349	08/02/04	Contaminated Soil	23.22	Tonawanda Tank	CWM, Model City, NY
NYH1386954	08/02/04	Contaminated Soil	32.07	Price Trucking Corp.	CWM, Model City, NY
NYH1387008	08/02/04	Contaminated Soil	33.39	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1406376	08/02/04	Contaminated Soil	24.31	Tonawanda Tank	CWM, Model City, NY
NYH1386963	08/02/04	Contaminated Soil	33.86	Price Trucking Corp.	CWM, Model City, NY
NYH1405701	11/19/04	Contaminated Soil	24.70	Tonawanda Tank	CWM, Model City, NY
NYH1405737	11/19/04	Contaminated Soil	24.05	Tonawanda Tank	CWM, Model City, NY
NYH1405683	11/19/04	Contaminated Soil	23.89	Price Trucking Corp.	CWM, Model City, NY
NYH1405692	11/19/04	Contaminated Soil	23.11	Price Trucking Corp.	CWM, Model City, NY
NYH1405674	11/19/04	Contaminated Soil	24.76	Price Trucking Corp.	CWM, Model City, NY
NYH1405728	11/19/04	Contaminated Soil	23.92	Tonawanda Tank	CWM, Model City, NY
NYH1405719	11/19/04	Contaminated Soil	22.04	Tonawanda Tank	CWM, Model City, NY
NYH1405656	11/19/04	Contaminated Soil	29.84	Price Trucking Corp.	CWM, Model City, NY
NYH1405665	11/19/04	Contaminated Soil	30.21	Price Trucking Corp.	CWM, Model City, NY
NYH1405647	11/19/04	Contaminated Soil	31.17	Price Trucking Corp.	CWM, Model City, NY
NYH1405746	11/22/04	Contaminated Soil	23.20	Tonawanda Tank	CWM, Model City, NY
NYH1405773	11/22/04	Contaminated Soil	24.33	Tonawanda Tank	CWM, Model City, NY
NYH1405566	11/22/04	Contaminated Soil	24.36	Price Trucking Corp.	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1405575	11/22/04	Contaminated Soil	23.94	Price Trucking Corp.	CWM, Model City, NY
NYH1405584	11/22/04	Contaminated Soil	26.78	Price Trucking Corp.	CWM, Model City, NY
NYH1405764	11/22/04	Contaminated Soil	20.44	Tonawanda Tank	CWM, Model City, NY
NYH1405611	11/22/04	Contaminated Soil	24.03	Price Trucking Corp.	CWM, Model City, NY
NYH1405755	11/22/04	Contaminated Soil	23.31	Tonawanda Tank	CWM, Model City, NY
NYH1405593	11/22/04	Contaminated Soil	28.22	Price Trucking Corp.	CWM, Model City, NY
NYH1405602	11/22/04	Contaminated Soil	27.76	Price Trucking Corp.	CWM, Model City, NY
NYH1405629	11/23/04	Contaminated Soil	21.90	Price Trucking Corp.	CWM, Model City, NY
NYH1405809	11/23/04	Contaminated Soil	22.89	Tonawanda Tank	CWM, Model City, NY
NYH1405791	11/23/04	Contaminated Soil	22.42	Tonawanda Tank	CWM, Model City, NY
NYH1405638	11/23/04	Contaminated Soil	23.15	Price Trucking Corp.	CWM, Model City, NY
NYH1405431	11/23/04	Contaminated Soil	27.86	Price Trucking Corp.	CWM, Model City, NY
NYH1405449	11/23/04	Contaminated Soil	25.27	Price Trucking Corp.	CWM, Model City, NY
NYH1405818	11/23/04	Contaminated Soil	23.98	Tonawanda Tank	CWM, Model City, NY
NYH1405782	11/23/04	Contaminated Soil	23.90	Tonawanda Tank	CWM, Model City, NY
NYH1405458	11/23/04	Contaminated Soil	29.46	Price Trucking Corp.	CWM, Model City, NY
NYH1405467	11/23/04	Contaminated Soil	27.76	Price Trucking Corp.	CWM, Model City, NY
NYH1405845	11/24/04	Contaminated Soil	20.21	Tonawanda Tank	CWM, Model City, NY
NYH1405827	11/24/04	Contaminated Soil	25.50	Tonawanda Tank	CWM, Model City, NY
NYH1405476	11/24/04	Contaminated Soil	23.44	Price Trucking Corp.	CWM, Model City, NY
NYH1405494	11/24/04	Contaminated Soil	25.05	Price Trucking Corp.	CWM, Model City, NY
NYH1405485	11/24/04	Contaminated Soil	25.81	Price Trucking Corp.	CWM, Model City, NY
NYH1405854	11/24/04	Contaminated Soil	23.82	Tonawanda Tank	CWM, Model City, NY
NYH1405836	11/24/04	Contaminated Soil	21.40	Tonawanda Tank	CWM, Model City, NY
NYH1405503	11/24/04	Contaminated Soil	24.00	Price Trucking Corp.	CWM, Model City, NY
NYH1405521	11/24/04	Contaminated Soil	23.78	Price Trucking Corp.	CWM, Model City, NY
NYH1405512	11/24/04	Contaminated Soil	24.45	Price Trucking Corp.	CWM, Model City, NY
NYH1405872	11/29/04	Contaminated Soil	26.62	Tonawanda Tank	CWM, Model City, NY
NYH1405899	11/29/04	Contaminated Soil	23.40	Tonawanda Tank	CWM, Model City, NY
NYH1405548	11/29/04	Contaminated Soil	24.45	Price Trucking Corp.	CWM, Model City, NY
NYH1405539	11/29/04	Contaminated Soil	24.30	Price Trucking Corp.	CWM, Model City, NY
NYH1405557	11/29/04	Contaminated Soil	27.28	Price Trucking Corp.	CWM, Model City, NY
NYH1405881	11/29/04	Contaminated Soil	22.29	Tonawanda Tank	CWM, Model City, NY
NYH1405863	11/29/04	Contaminated Soil	25.20	Tonawanda Tank	CWM, Model City, NY
NYH1386972	11/29/04	Contaminated Soil	24.12	Price Trucking Corp.	CWM, Model City, NY
NYH1386981	11/29/04	Contaminated Soil	23.57	Price Trucking Corp.	CWM, Model City, NY
NYH1386999	11/29/04	Contaminated Soil	26.36	Price Trucking Corp.	CWM, Model City, NY
NYH1405953	11/30/04	Contaminated Soil	22.61	Tonawanda Tank	CWM, Model City, NY
NYH1405926	11/30/04	Contaminated Soil	22.66	Tonawanda Tank	CWM, Model City, NY
NYH1405287	11/30/04	Contaminated Soil	23.53	Price Trucking Corp.	CWM, Model City, NY
NYH1405305	11/30/04	Contaminated Soil	24.17	Price Trucking Corp.	CWM, Model City, NY
NYH1405296	11/30/04	Contaminated Soil	24.30	Price Trucking Corp.	CWM, Model City, NY
NYH1405944	11/30/04	Contaminated Soil	22.96	Tonawanda Tank	CWM, Model City, NY
NYH1405935	11/30/04	Contaminated Soil	21.40	Tonawanda Tank	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1405314	11/30/04	Contaminated Soil	23.50	Price Trucking Corp.	CWM, Model City, NY
NYH1405323	11/30/04	Contaminated Soil	22.78	Price Trucking Corp.	CWM, Model City, NY
NYH1405332	12/01/04	Contaminated Soil	22.21	Price Trucking Corp.	CWM, Model City, NY
NYH1406007	12/01/04	Contaminated Soil	22.12	Tonawanda Tank	CWM, Model City, NY
NYH1405341	12/01/04	Contaminated Soil	22.62	Price Trucking Corp.	CWM, Model City, NY
NYH1405989	12/01/04	Contaminated Soil	22.53	Tonawanda Tank	CWM, Model City, NY
NYH1405359	12/01/04	Contaminated Soil	19.96	Price Trucking Corp.	CWM, Model City, NY
NYH1406016	12/01/04	Contaminated Soil	24.42	Tonawanda Tank	CWM, Model City, NY
NYH1405368	12/01/04	Contaminated Soil	29.88	Price Trucking Corp.	CWM, Model City, NY
NYH1405377	12/01/04	Contaminated Soil	24.85	Price Trucking Corp.	CWM, Model City, NY
NYH1405908	12/02/04	Contaminated Soil	24.11	Tonawanda Tank	CWM, Model City, NY
NYH1406025	12/02/04	Contaminated Soil	22.23	Tonawanda Tank	CWM, Model City, NY
NYH1405422	12/02/04	Contaminated Soil	25.00	Price Trucking Corp.	CWM, Model City, NY
NYH1405386	12/02/04	Contaminated Soil	23.19	Price Trucking Corp.	CWM, Model City, NY
NYH1405413	12/02/04	Contaminated Soil	24.59	Price Trucking Corp.	CWM, Model City, NY
NYH1405917	12/02/04	Contaminated Soil	24.20	Tonawanda Tank	CWM, Model City, NY
NYH1405998	12/02/04	Contaminated Soil	22.26	Tonawanda Tank	CWM, Model City, NY
NYH1405962	12/02/04	Contaminated Soil	25.43	Tonawanda Tank	CWM, Model City, NY
NYH1405395	12/02/04	Contaminated Soil	23.14	Price Trucking Corp.	CWM, Model City, NY
NYH1405404	12/02/04	Contaminated Soil	22.53	Price Trucking Corp.	CWM, Model City, NY
NYH1405188	12/02/04	Contaminated Soil	24.58	Price Trucking Corp.	CWM, Model City, NY
NYH1405971	12/02/04	Contaminated Soil	24.36	Tonawanda Tank	CWM, Model City, NY
NYH1406088	12/03/04	Contaminated Soil	21.60	Tonawanda Tank	CWM, Model City, NY
NYH1406034	12/03/04	Contaminated Soil	21.37	Tonawanda Tank	CWM, Model City, NY
NYH1405197	12/03/04	Contaminated Soil	22.49	Price Trucking Corp.	CWM, Model City, NY
NYH1405206	12/03/04	Contaminated Soil	23.77	Price Trucking Corp.	CWM, Model City, NY
NYH1405215	12/03/04	Contaminated Soil	23.40	Price Trucking Corp.	CWM, Model City, NY
NYH1406079	12/03/04	Contaminated Soil	22.17	Tonawanda Tank	CWM, Model City, NY
NYH1406493	12/03/04	Contaminated Soil	23.64	Tonawanda Tank	CWM, Model City, NY
NYH1405224	12/03/04	Contaminated Soil	24.50	Price Trucking Corp.	CWM, Model City, NY
NYH1405233	12/03/04	Contaminated Soil	22.39	Price Trucking Corp.	CWM, Model City, NY
NYH1406043	12/03/04	Contaminated Soil	23.12	Tonawanda Tank	CWM, Model City, NY
NYH1405242	12/03/04	Contaminated Soil	25.39	Price Trucking Corp.	CWM, Model City, NY
NYH1406061	12/03/04	Contaminated Soil	24.06	Tonawanda Tank	CWM, Model City, NY
NYH1405098	12/06/04	Contaminated Soil	22.45	Price Trucking Corp.	CWM, Model City, NY
NYH1405044	12/06/04	Contaminated Soil	23.46	Price Trucking Corp.	CWM, Model City, NY
NYH1406124	12/06/04	Contaminated Soil	24.90	Tonawanda Tank	CWM, Model City, NY
NYH1406106	12/06/04	Contaminated Soil	23.90	Tonawanda Tank	CWM, Model City, NY
NYH1406097	12/06/04	Contaminated Soil	24.29	Tonawanda Tank	CWM, Model City, NY
NYH1405053	12/06/04	Contaminated Soil	25.56	Price Trucking Corp.	CWM, Model City, NY
NYH1405062	12/06/04	Contaminated Soil	25.64	Price Trucking Corp.	CWM, Model City, NY
NYH1406115	12/06/04	Contaminated Soil	26.20	Tonawanda Tank	CWM, Model City, NY
NYH1405071	12/06/04	Contaminated Soil	33.92	Price Trucking Corp.	CWM, Model City, NY
NYH1405089	12/06/04	Contaminated Soil	24.57	Price Trucking Corp.	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1405179	12/07/04	Contaminated Soil	25.09	Tonawanda Tank	CWM, Model City, NY
NYH1405107	12/07/04	Contaminated Soil	25.12	Price Trucking Corp.	CWM, Model City, NY
NYH1405116	12/07/04	Contaminated Soil	29.30	Tonawanda Tank	CWM, Model City, NY
NYH1405125	12/07/04	Contaminated Soil	26.97	Price Trucking Corp.	CWM, Model City, NY
NYH1406322	12/21/04	Contaminated Soil	24.92	Tonawanda Tank	CWM, Model City, NY
NYH1406052	12/21/04	Contaminated Soil	22.18	Tonawanda Tank	CWM, Model City, NY
NYH1405035	12/21/04	Contaminated Soil	29.46	Price Trucking Corp.	CWM, Model City, NY
NYH1405017	12/21/04	Contaminated Soil	22.30	Price Trucking Corp.	CWM, Model City, NY
NYH1405026	12/21/04	Contaminated Soil	25.55	Price Trucking Corp.	CWM, Model City, NY
NYH1406133	12/21/04	Contaminated Soil	32.43	Price Trucking Corp.	CWM, Model City, NY
NYH1406142	12/21/04	Contaminated Soil	26.66	Tonawanda Tank	CWM, Model City, NY
NYH1406151	12/21/04	Contaminated Soil	32.84	Tonawanda Tank	CWM, Model City, NY
NYH1406205	12/22/04	Contaminated Soil	25.20	Tonawanda Tank	CWM, Model City, NY
NYH1405134	12/22/04	Contaminated Soil	31.27	Price Trucking Corp.	CWM, Model City, NY
NYH1405143	12/22/04	Contaminated Soil	27.05	Price Trucking Corp.	CWM, Model City, NY
NYH1406196	12/22/04	Contaminated Soil	26.69	Tonawanda Tank	CWM, Model City, NY
NYH1406178	12/22/04	Contaminated Soil	24.77	Tonawanda Tank	CWM, Model City, NY
NYH1405152	12/22/04	Contaminated Soil	16.08	Price Trucking Corp.	CWM, Model City, NY
NYH1406214	12/22/04	Contaminated Soil	24.70	Tonawanda Tank	CWM, Model City, NY
NYH1405161	12/22/04	Contaminated Soil	24.51	Price Trucking Corp.	CWM, Model City, NY
NYH1406187	12/22/04	Contaminated Soil	24.82	Tonawanda Tank	CWM, Model City, NY
NYH1406169	12/22/04	Contaminated Soil	26.25	Tonawanda Tank	CWM, Model City, NY
NYH1406241	12/23/04	Contaminated Soil	23.96	Tonawanda Tank	CWM, Model City, NY
NYH1406268	12/23/04	Contaminated Soil	27.02	Tonawanda Tank	CWM, Model City, NY
NYH1406223	12/23/04	Contaminated Soil	20.54	Tonawanda Tank	CWM, Model City, NY
NYH1405278	12/23/04	Contaminated Soil	27.20	Price Trucking Corp.	CWM, Model City, NY
NYH1405269	12/23/04	Contaminated Soil	24.02	Price Trucking Corp.	CWM, Model City, NY
NYH1405251	12/23/04	Contaminated Soil	38.55	Price Trucking Corp.	CWM, Model City, NY
NYH1406259	12/23/04	Contaminated Soil	22.42	Tonawanda Tank	CWM, Model City, NY
NYH1406232	12/23/04	Contaminated Soil	22.37	Tonawanda Tank	CWM, Model City, NY
NYH1468773	12/23/04	Contaminated Soil	25.02	Price Trucking Corp.	CWM, Model City, NY
NYH1406277	12/23/04	Contaminated Soil	19.65	Tonawanda Tank	CWM, Model City, NY
NYH1468809	12/28/04	Contaminated Soil	22.32	Tonawanda Tank	CWM, Model City, NY
NYH1406304	12/28/04	Contaminated Soil	22.42	Tonawanda Tank	CWM, Model City, NY
NYH1469151	12/28/04	Contaminated Soil	19.93	Price Trucking Corp.	CWM, Model City, NY
NYH1469142	12/28/04	Contaminated Soil	31.00	Price Trucking Corp.	CWM, Model City, NY
NYH1468791	12/28/04	Contaminated Soil	24.74	Tonawanda Tank	CWM, Model City, NY
NYH1406295	12/28/04	Contaminated Soil	20.04	Tonawanda Tank	CWM, Model City, NY
NYH1469169	12/28/04	Contaminated Soil	20.63	Price Trucking Corp.	CWM, Model City, NY
NYH1469178	12/28/04	Contaminated Soil	22.18	Price Trucking Corp.	CWM, Model City, NY
NYH1469187	12/28/04	Contaminated Soil	24.08	Price Trucking Corp.	CWM, Model City, NY
NYH1406286	12/28/04	Contaminated Soil	25.76	Tonawanda Tank	CWM, Model City, NY
NYH1468782	12/28/04	Contaminated Soil	22.14	Tonawanda Tank	CWM, Model City, NY
NYH1468836	12/29/04	Contaminated Soil	24.97	Tonawanda Tank	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1469196	12/29/04	Contaminated Soil	21.13	Price Trucking Corp.	CWM, Model City, NY
NYH1469205	12/29/04	Contaminated Soil	26.54	Price Trucking Corp.	CWM, Model City, NY
NYH1468701	12/29/04	Contaminated Soil	16.62	Price Trucking Corp.	CWM, Model City, NY
NYH1468854	12/29/04	Contaminated Soil	19.97	Tonawanda Tank	CWM, Model City, NY
NYH1468827	12/29/04	Contaminated Soil	14.46	Tonawanda Tank	CWM, Model City, NY
NYH1468719	12/29/04	Contaminated Soil	23.22	Price Trucking Corp.	CWM, Model City, NY
NYH1468728	12/29/04	Contaminated Soil	23.98	Price Trucking Corp.	CWM, Model City, NY
NYH1468737	12/29/04	Contaminated Soil	19.83	Price Trucking Corp.	CWM, Model City, NY
NYH1468818	12/29/04	Contaminated Soil	23.87	Tonawanda Tank	CWM, Model City, NY
NYH1468845	12/29/04	Contaminated Soil	23.85	Tonawanda Tank	CWM, Model City, NY
NYH1468881	12/30/04	Contaminated Soil	25.86	Tonawanda Tank	CWM, Model City, NY
NYH1468917	12/30/04	Contaminated Soil	30.15	Tonawanda Tank	CWM, Model City, NY
NYH1469214	12/30/04	Contaminated Soil	23.79	Price Trucking Corp.	CWM, Model City, NY
NYH1468872	12/30/04	Contaminated Soil	24.41	Tonawanda Tank	CWM, Model City, NY
NYH1468899	12/30/04	Contaminated Soil	28.32	Tonawanda Tank	CWM, Model City, NY
NYH1469277	12/30/04	Contaminated Soil	23.29	Price Trucking Corp.	CWM, Model City, NY
NYH1469268	12/30/04	Contaminated Soil	26.97	Price Trucking Corp.	CWM, Model City, NY
NYH1469259	12/30/04	Contaminated Soil	24.75	Price Trucking Corp.	CWM, Model City, NY
NYH1469232	12/30/04	Contaminated Soil	26.86	Price Trucking Corp.	CWM, Model City, NY
NYH1469241	12/30/04	Contaminated Soil	21.57	Price Trucking Corp.	CWM, Model City, NY
NYH1468908	12/30/04	Contaminated Soil	23.31	Tonawanda Tank	CWM, Model City, NY
NYH1468863	12/30/04	Contaminated Soil	22.25	Tonawanda Tank	CWM, Model City, NY
NYH1468953	01/05/05	Contaminated Soil	29.03	Tonawanda Tank	CWM, Model City, NY
NYH1468926	01/05/05	Contaminated Soil	27.95	Tonawanda Tank	CWM, Model City, NY
NYH1469223	01/05/05	Contaminated Soil	34.17	Price Trucking Corp.	CWM, Model City, NY
NYH1468962	01/05/05	Contaminated Soil	23.98	Tonawanda Tank	CWM, Model City, NY
NYH1468746	01/05/05	Contaminated Soil	31.93	Price Trucking Corp.	CWM, Model City, NY
NYH1468944	01/05/05	Contaminated Soil	19.81	Tonawanda Tank	CWM, Model City, NY
NYH1468935	01/05/05	Contaminated Soil	22.09	Tonawanda Tank	CWM, Model City, NY
NYH1468971	01/05/05	Contaminated Soil	20.67	Tonawanda Tank	CWM, Model City, NY
NYH1514043	01/06/05	Contaminated Soil	23.24	Tonawanda Tank	CWM, Model City, NY
NYH1514061	01/06/05	Contaminated Soil	20.92	Tonawanda Tank	CWM, Model City, NY
NYH1468755	01/06/05	Contaminated Soil	30.27	Price Trucking Corp.	CWM, Model City, NY
NYH1468764	01/06/05	Contaminated Soil	27.63	Price Trucking Corp.	CWM, Model City, NY
NYH1469286	01/06/05	Contaminated Soil	25.57	Price Trucking Corp.	CWM, Model City, NY
NYH1468998	01/06/05	Contaminated Soil	28.84	Tonawanda Tank	CWM, Model City, NY
NYH1514079	01/06/05	Contaminated Soil	23.44	Tonawanda Tank	CWM, Model City, NY
NYH1469376	01/06/05	Contaminated Soil	35.20	Price Trucking Corp.	CWM, Model City, NY
NYH1469295	01/06/05	Contaminated Soil	24.76	Price Trucking Corp.	CWM, Model City, NY
NYH1514088	01/06/05	Contaminated Soil	25.42	Tonawanda Tank	CWM, Model City, NY
NYH1468989	01/06/05	Contaminated Soil	32.30	Tonawanda Tank	CWM, Model City, NY
NYH1514007	01/07/05	Contaminated Soil	18.86	Tonawanda Tank	CWM, Model City, NY
NYH1469304	01/07/05	Contaminated Soil	26.16	Price Trucking Corp.	CWM, Model City, NY
NYH1469313	01/07/05	Contaminated Soil	32.31	Price Trucking Corp.	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1513989	01/07/05	Contaminated Soil	22.38	Tonawanda Tank	CWM, Model City, NY
NYH1514034	01/07/05	Contaminated Soil	21.55	Tonawanda Tank	CWM, Model City, NY
NYH1514025	01/07/05	Contaminated Soil	21.99	Tonawanda Tank	CWM, Model City, NY
NYH1469322	01/07/05	Contaminated Soil	25.76	Price Trucking Corp.	CWM, Model City, NY
NYH1514016	01/07/05	Contaminated Soil	23.39	Tonawanda Tank	CWM, Model City, NY
NYH1513998	01/07/05	Contaminated Soil	25.94	Tonawanda Tank	CWM, Model City, NY
NYH1513962	01/11/05	Contaminated Soil	21.63	Tonawanda Tank	CWM, Model City, NY
NYH1514052	01/11/05	Contaminated Soil	22.57	Tonawanda Tank	CWM, Model City, NY
NYH1513953	01/11/05	Contaminated Soil	25.95	Tonawanda Tank	CWM, Model City, NY
NYH1513944	01/11/05	Contaminated Soil	25.45	Tonawanda Tank	CWM, Model City, NY
NYH1513872	01/11/05	Contaminated Soil	23.36	Tonawanda Tank	CWM, Model City, NY
NYH1513971	01/11/05	Contaminated Soil	21.10	Tonawanda Tank	CWM, Model City, NY
NYH1513881	01/12/05	Contaminated Soil	18.86	Tonawanda Tank	CWM, Model City, NY
NYH1513908	01/12/05	Contaminated Soil	24.54	Tonawanda Tank	CWM, Model City, NY
NYH1513926	01/12/05	Contaminated Soil	24.76	Tonawanda Tank	CWM, Model City, NY
NYH1513917	01/12/05	Contaminated Soil	21.50	Tonawanda Tank	CWM, Model City, NY
NYH1513935	01/12/05	Contaminated Soil	19.31	Tonawanda Tank	CWM, Model City, NY
NYH1513899	01/12/05	Contaminated Soil	20.94	Tonawanda Tank	CWM, Model City, NY
NYH1513854	02/07/05	Contaminated Soil	20.02	Tonawanda Tank	CWM, Model City, NY
NYH1513845	02/07/05	Contaminated Soil	24.44	Tonawanda Tank	CWM, Model City, NY
NYH1513836	02/07/05	Contaminated Soil	24.85	Tonawanda Tank	CWM, Model City, NY
NYH1513863	02/07/05	Contaminated Soil	22.20	Tonawanda Tank	CWM, Model City, NY
NYH1513827	02/08/05	Contaminated Soil	24.99	Tonawanda Tank	CWM, Model City, NY
NYH1513773	02/08/05	Contaminated Soil	25.87	Tonawanda Tank	CWM, Model City, NY
NYH1469331	02/08/05	Contaminated Soil	27.55	Price Trucking Corp.	CWM, Model City, NY
NYH1513791	02/08/05	Contaminated Soil	23.35	Tonawanda Tank	CWM, Model City, NY
NYH1469349	02/08/05	Contaminated Soil	21.00	Price Trucking Corp.	CWM, Model City, NY
NYH1513818	02/08/05	Contaminated Soil	21.76	Tonawanda Tank	CWM, Model City, NY
NYH1513809	02/08/05	Contaminated Soil	24.64	Tonawanda Tank	CWM, Model City, NY
NYH1513782	02/08/05	Contaminated Soil	23.26	Tonawanda Tank	CWM, Model City, NY
NYH1513755	02/09/05	Contaminated Soil	22.62	Tonawanda Tank	CWM, Model City, NY
NYH1469475	02/09/05	Contaminated Soil	25.73	Price Trucking Corp.	CWM, Model City, NY
NYH1513719	02/09/05	Contaminated Soil	23.39	Tonawanda Tank	CWM, Model City, NY
NYH1469385	02/09/05	Contaminated Soil	21.55	Price Trucking Corp.	CWM, Model City, NY
NYH1513737	02/09/05	Contaminated Soil	23.61	Tonawanda Tank	CWM, Model City, NY
NYH1513764	02/09/05	Contaminated Soil	22.71	Tonawanda Tank	CWM, Model City, NY
NYH1513746	02/09/05	Contaminated Soil	25.66	Tonawanda Tank	CWM, Model City, NY
NYH1513728	02/09/05	Contaminated Soil	19.53	Tonawanda Tank	CWM, Model City, NY
NYH1513701	02/10/05	Contaminated Soil	20.39	Tonawanda Tank	CWM, Model City, NY
NYH1513683	02/10/05	Contaminated Soil	22.04	Tonawanda Tank	CWM, Model City, NY
NYH1513638	02/10/05	Contaminated Soil	22.48	Tonawanda Tank	CWM, Model City, NY
NYH1513656	02/10/05	Contaminated Soil	19.26	Tonawanda Tank	CWM, Model City, NY
NYH1513692	02/10/05	Contaminated Soil	28.42	Tonawanda Tank	CWM, Model City, NY
NYH1513674	02/10/05	Contaminated Soil	22.95	Tonawanda Tank	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1513647	02/10/05	Contaminated Soil	22.88	Tonawanda Tank	CWM, Model City, NY
NYH1513665	02/10/05	Contaminated Soil	18.63	Tonawanda Tank	CWM, Model City, NY
NYH1469619	02/11/05	Contaminated Soil	21.50	Tonawanda Tank	CWM, Model City, NY
NYH1513593	02/11/05	Contaminated Soil	18.99	Tonawanda Tank	CWM, Model City, NY
NYH1513611	02/11/05	Contaminated Soil	21.98	Tonawanda Tank	CWM, Model City, NY
NYH1513629	02/11/05	Contaminated Soil	21.04	Tonawanda Tank	CWM, Model City, NY
NYH1469628	02/11/05	Contaminated Soil	21.54	Tonawanda Tank	CWM, Model City, NY
NYH1469601	02/11/05	Contaminated Soil	23.95	Tonawanda Tank	CWM, Model City, NY
NYH1513602	02/11/05	Contaminated Soil	25.73	Tonawanda Tank	CWM, Model City, NY
NYH1469637	02/11/05	Contaminated Soil	22.30	Tonawanda Tank	CWM, Model City, NY
NYH1473993	02/14/05	Contaminated Soil	23.13	Tonawanda Tank	CWM, Model City, NY
NYH1473975	02/14/05	Contaminated Soil	22.39	Tonawanda Tank	CWM, Model City, NY
NYH1473966	02/14/05	Contaminated Soil	22.14	Tonawanda Tank	CWM, Model City, NY
NYH1473948	02/14/05	Contaminated Soil	23.08	Tonawanda Tank	CWM, Model City, NY
NYH1474002	02/14/05	Contaminated Soil	27.76	Tonawanda Tank	CWM, Model City, NY
NYH1473957	02/14/05	Contaminated Soil	25.82	Tonawanda Tank	CWM, Model City, NY
NYH1473939	02/14/05	Contaminated Soil	23.24	Tonawanda Tank	CWM, Model City, NY
NYH1473984	02/14/05	Contaminated Soil	24.96	Tonawanda Tank	CWM, Model City, NY
NYH1473903	02/15/05	Contaminated Soil	23.21	Tonawanda Tank	CWM, Model City, NY
NYH1473912	02/15/05	Contaminated Soil	25.87	Tonawanda Tank	CWM, Model City, NY
NYH1473885	02/15/05	Contaminated Soil	21.86	Tonawanda Tank	CWM, Model City, NY
NYH1473858	02/15/05	Contaminated Soil	23.13	Tonawanda Tank	CWM, Model City, NY
NYH1473831	02/15/05	Contaminated Soil	22.81	Tonawanda Tank	CWM, Model City, NY
NYH1473867	02/15/05	Contaminated Soil	23.91	Tonawanda Tank	CWM, Model City, NY
NYH1473921	02/15/05	Contaminated Soil	25.32	Tonawanda Tank	CWM, Model City, NY
NYH1473876	02/15/05	Contaminated Soil	23.63	Tonawanda Tank	CWM, Model City, NY
NYH1473849	02/15/05	Contaminated Soil	28.31	Tonawanda Tank	CWM, Model City, NY
NYH1473894	02/15/05	Contaminated Soil	22.81	Tonawanda Tank	CWM, Model City, NY
NYH1473813	02/16/05	Contaminated Soil	24.34	Tonawanda Tank	CWM, Model City, NY
NYH1473777	02/16/05	Contaminated Soil	24.68	Tonawanda Tank	CWM, Model City, NY
NYH1473759	02/16/05	Contaminated Soil	24.09	Tonawanda Tank	CWM, Model City, NY
NYH1473741	02/16/05	Contaminated Soil	24.01	Tonawanda Tank	CWM, Model City, NY
NYH1469367	02/16/05	Contaminated Soil	24.89	Price Trucking Corp.	CWM, Model City, NY
NYH1469358	02/16/05	Contaminated Soil	24.03	Price Trucking Corp.	CWM, Model City, NY
NYH1473795	02/16/05	Contaminated Soil	24.18	Tonawanda Tank	CWM, Model City, NY
NYH1469394	02/16/05	Contaminated Soil	24.46	Price Trucking Corp.	CWM, Model City, NY
NYH1473822	02/16/05	Contaminated Soil	24.86	Tonawanda Tank	CWM, Model City, NY
NYH1473768	02/16/05	Contaminated Soil	22.17	Tonawanda Tank	CWM, Model City, NY
NYH1473786	02/16/05	Contaminated Soil	22.52	Tonawanda Tank	CWM, Model City, NY
NYH1473732	02/16/05	Contaminated Soil	21.56	Tonawanda Tank	CWM, Model City, NY
NYH1469403	02/16/05	Contaminated Soil	30.49	Price Trucking Corp.	CWM, Model City, NY
NYH1473804	02/16/05	Contaminated Soil	22.35	Tonawanda Tank	CWM, Model City, NY
NYH1473723	02/17/05	Contaminated Soil	22.67	Tonawanda Tank	CWM, Model City, NY
NYH1473651	02/17/05	Contaminated Soil	22.40	Tonawanda Tank	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1473669	02/17/05	Contaminated Soil	25.07	Tonawanda Tank	CWM, Model City, NY
NYH1473633	02/17/05	Contaminated Soil	26.20	Tonawanda Tank	CWM, Model City, NY
NYH1469466	02/17/05	Contaminated Soil	25.23	Price Trucking Corp.	CWM, Model City, NY
NYH1469448	02/17/05	Contaminated Soil	33.82	Price Trucking Corp.	CWM, Model City, NY
NYH1469457	02/17/05	Contaminated Soil	27.79	Price Trucking Corp.	CWM, Model City, NY
NYH1473624	02/17/05	Contaminated Soil	22.10	Tonawanda Tank	CWM, Model City, NY
NYH1473714	02/17/05	Contaminated Soil	23.74	Tonawanda Tank	CWM, Model City, NY
NYH1473678	02/17/05	Contaminated Soil	20.31	Tonawanda Tank	CWM, Model City, NY
NYH1473696	02/17/05	Contaminated Soil	20.59	Tonawanda Tank	CWM, Model City, NY
NYH1469412	02/17/05	Contaminated Soil	28.57	Price Trucking Corp.	CWM, Model City, NY
NYH1473642	02/17/05	Contaminated Soil	21.18	Tonawanda Tank	CWM, Model City, NY
NYH1473705	02/17/05	Contaminated Soil	23.14	Tonawanda Tank	CWM, Model City, NY
NYH1473597	02/18/05	Contaminated Soil	21.15	Tonawanda Tank	CWM, Model City, NY
NYH1473579	02/18/05	Contaminated Soil	22.47	Tonawanda Tank	CWM, Model City, NY
NYH1473543	02/18/05	Contaminated Soil	18.72	Tonawanda Tank	CWM, Model City, NY
NYH1469421	02/18/05	Contaminated Soil	33.18	Price Trucking Corp.	CWM, Model City, NY
NYH1473687	02/18/05	Contaminated Soil	22.19	Tonawanda Tank	CWM, Model City, NY
NYH1469439	02/18/05	Contaminated Soil	22.04	Price Trucking Corp.	CWM, Model City, NY
NYH1462194	02/18/05	Contaminated Soil	26.04	Price Trucking Corp.	CWM, Model City, NY
NYH1462131	02/18/05	Contaminated Soil	31.20	Price Trucking Corp.	CWM, Model City, NY
NYH1473561	02/18/05	Contaminated Soil	20.44	Tonawanda Tank	CWM, Model City, NY
NYH1473606	02/18/05	Contaminated Soil	21.01	Tonawanda Tank	CWM, Model City, NY
NYH1473588	02/18/05	Contaminated Soil	22.48	Tonawanda Tank	CWM, Model City, NY
NYH1473534	02/18/05	Contaminated Soil	20.32	Tonawanda Tank	CWM, Model City, NY
NYH1473552	02/18/05	Contaminated Soil	20.31	Tonawanda Tank	CWM, Model City, NY
NYH1473615	02/18/05	Contaminated Soil	26.93	Tonawanda Tank	CWM, Model City, NY
NYH1473516	02/21/05	Contaminated Soil	26.36	Tonawanda Tank	CWM, Model City, NY
NYH1462041	02/21/05	Contaminated Soil	23.66	Tonawanda Tank	CWM, Model City, NY
NYH1462185	02/21/05	Contaminated Soil	30.95	Price Trucking Corp.	CWM, Model City, NY
NYH1462059	02/21/05	Contaminated Soil	20.34	Tonawanda Tank	CWM, Model City, NY
NYH1462077	02/21/05	Contaminated Soil	21.32	Tonawanda Tank	CWM, Model City, NY
NYH1462095	02/21/05	Contaminated Soil	21.63	Tonawanda Tank	CWM, Model City, NY
NYH1462176	02/21/05	Contaminated Soil	27.98	Price Trucking Corp.	CWM, Model City, NY
NYH1473507	02/21/05	Contaminated Soil	20.61	Tonawanda Tank	CWM, Model City, NY
NYH1462149	02/21/05	Contaminated Soil	22.34	Price Trucking Corp.	CWM, Model City, NY
NYH1462032	02/21/05	Contaminated Soil	20.29	Tonawanda Tank	CWM, Model City, NY
NYH1462068	02/21/05	Contaminated Soil	24.08	Tonawanda Tank	CWM, Model City, NY
NYH1462086	02/21/05	Contaminated Soil	23.25	Tonawanda Tank	CWM, Model City, NY
NYH1473525	02/21/05	Contaminated Soil	18.78	Tonawanda Tank	CWM, Model City, NY
NYH1462158	02/21/05	Contaminated Soil	30.06	Price Trucking Corp.	CWM, Model City, NY
NYH1463562	02/22/05	Contaminated Soil	20.61	Tonawanda Tank	CWM, Model City, NY
NYH1462023	02/22/05	Contaminated Soil	24.17	Tonawanda Tank	CWM, Model City, NY
NYH1463553	02/22/05	Contaminated Soil	21.54	Tonawanda Tank	CWM, Model City, NY
NYH1463526	02/22/05	Contaminated Soil	22.20	Tonawanda Tank	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1463508	02/22/05	Contaminated Soil	22.31	Tonawanda Tank	CWM, Model City, NY
NYH1462167	02/22/05	Contaminated Soil	33.43	Price Trucking Corp.	CWM, Model City, NY
NYH1462203	02/22/05	Contaminated Soil	31.37	Price Trucking Corp.	CWM, Model City, NY
NYH1463571	02/22/05	Contaminated Soil	21.39	Tonawanda Tank	CWM, Model City, NY
NYH1462014	02/22/05	Contaminated Soil	21.47	Tonawanda Tank	CWM, Model City, NY
NYH1462374	02/22/05	Contaminated Soil	32.42	Price Trucking Corp.	CWM, Model City, NY
NYH1463517	02/22/05	Contaminated Soil	21.72	Tonawanda Tank	CWM, Model City, NY
NYH1463535	02/22/05	Contaminated Soil	22.13	Tonawanda Tank	CWM, Model City, NY
NYH1462365	02/22/05	Contaminated Soil	28.77	Price Trucking Corp.	CWM, Model City, NY
NYH1463688	02/22/05	Contaminated Soil	21.88	Tonawanda Tank	CWM, Model City, NY
NYH1463625	02/23/05	Contaminated Soil	22.94	Tonawanda Tank	CWM, Model City, NY
NYH1463598	02/23/05	Contaminated Soil	22.47	Tonawanda Tank	CWM, Model City, NY
NYH1463607	02/23/05	Contaminated Soil	22.48	Tonawanda Tank	CWM, Model City, NY
NYH1463661	02/23/05	Contaminated Soil	23.14	Tonawanda Tank	CWM, Model City, NY
NYH1462356	02/23/05	Contaminated Soil	36.54	Price Trucking Corp.	CWM, Model City, NY
NYH1463616	02/23/05	Contaminated Soil	22.50	Tonawanda Tank	CWM, Model City, NY
NYH1463634	02/23/05	Contaminated Soil	22.02	Tonawanda Tank	CWM, Model City, NY
NYH1462212	02/23/05	Contaminated Soil	33.94	Price Trucking Corp.	CWM, Model City, NY
NYH1463643	02/23/05	Contaminated Soil	23.52	Tonawanda Tank	CWM, Model City, NY
NYH1463679	02/23/05	Contaminated Soil	21.03	Tonawanda Tank	CWM, Model City, NY
NYH1462221	02/23/05	Contaminated Soil	21.78	Tonawanda Tank	CWM, Model City, NY
NYH1462239	02/23/05	Contaminated Soil	39.47	Price Trucking Corp.	CWM, Model City, NY
NYH1463652	02/23/05	Contaminated Soil	25.14	Tonawanda Tank	CWM, Model City, NY
NYH1463589	02/23/05	Contaminated Soil	22.95	Tonawanda Tank	CWM, Model City, NY
NYH1463706	02/24/05	Contaminated Soil	23.10	Tonawanda Tank	CWM, Model City, NY
NYH1463769	02/24/05	Contaminated Soil	24.18	Tonawanda Tank	CWM, Model City, NY
NYH1463715	02/24/05	Contaminated Soil	22.91	Tonawanda Tank	CWM, Model City, NY
NYH1462248	02/24/05	Contaminated Soil	30.61	Price Trucking Corp.	CWM, Model City, NY
NYH1463733	02/24/05	Contaminated Soil	22.18	Tonawanda Tank	CWM, Model City, NY
NYH1463778	02/24/05	Contaminated Soil	20.83	Tonawanda Tank	CWM, Model City, NY
NYH1462257	02/24/05	Contaminated Soil	34.74	Price Trucking Corp.	CWM, Model City, NY
NYH1463751	02/24/05	Contaminated Soil	21.81	Tonawanda Tank	CWM, Model City, NY
NYH1462266	02/24/05	Contaminated Soil	32.14	Price Trucking Corp.	CWM, Model City, NY
NYH1463697	02/24/05	Contaminated Soil	23.64	Tonawanda Tank	CWM, Model City, NY
NYH1463724	02/24/05	Contaminated Soil	21.22	Tonawanda Tank	CWM, Model City, NY
NYH1463742	02/24/05	Contaminated Soil	22.29	Tonawanda Tank	CWM, Model City, NY
NYH1462347	02/24/05	Contaminated Soil	34.17	Price Trucking Corp.	CWM, Model City, NY
NYH1463787	02/24/05	Contaminated Soil	24.08	Tonawanda Tank	CWM, Model City, NY
NYH1463796	02/25/05	Contaminated Soil	22.02	Tonawanda Tank	CWM, Model City, NY
NYH1463886	02/25/05	Contaminated Soil	22.12	Tonawanda Tank	CWM, Model City, NY
NYH1463859	02/25/05	Contaminated Soil	21.04	Tonawanda Tank	CWM, Model City, NY
NYH1463868	02/25/05	Contaminated Soil	22.49	Tonawanda Tank	CWM, Model City, NY
NYH1462338	02/25/05	Contaminated Soil	33.32	Price Trucking Corp.	CWM, Model City, NY
NYH1462329	02/25/05	Contaminated Soil	29.69	Price Trucking Corp.	CWM, Model City, NY

Table 2-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 1 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1463823	02/25/05	Contaminated Soil	20.13	Tonawanda Tank	CWM, Model City, NY
NYH1463841	02/25/05	Contaminated Soil	22.13	Tonawanda Tank	CWM, Model City, NY
NYH1463805	02/25/05	Contaminated Soil	22.65	Tonawanda Tank	CWM, Model City, NY
NYH1463814	02/25/05	Contaminated Soil	22.28	Tonawanda Tank	CWM, Model City, NY
NYH1462311	02/25/05	Contaminated Soil	35.00	Price Trucking Corp.	CWM, Model City, NY
NYH1463877	02/25/05	Contaminated Soil	23.59	Tonawanda Tank	CWM, Model City, NY
NYH1462302	02/25/05	Contaminated Soil	28.59	Price Trucking Corp.	CWM, Model City, NY
NYH1463832	02/25/05	Contaminated Soil	24.67	Tonawanda Tank	CWM, Model City, NY
NYH1463922	02/28/05	Contaminated Soil	21.56	Tonawanda Tank	CWM, Model City, NY
NYH1463913	02/28/05	Contaminated Soil	24.05	Tonawanda Tank	CWM, Model City, NY
NYH1463895	02/28/05	Contaminated Soil	23.37	Tonawanda Tank	CWM, Model City, NY
NYH1463904	02/28/05	Contaminated Soil	22.86	Tonawanda Tank	CWM, Model City, NY
NYH1463949	03/01/05	Contaminated Soil	24.78	Tonawanda Tank	CWM, Model City, NY
NYH1464003	03/01/05	Contaminated Soil	24.74	Tonawanda Tank	CWM, Model City, NY
NYH1463976	03/01/05	Contaminated Soil	23.32	Tonawanda Tank	CWM, Model City, NY
NYH1462275	03/01/05	Contaminated Soil	28.51	Price Trucking Corp.	CWM, Model City, NY
NYH1463931	03/01/05	Contaminated Soil	21.63	Tonawanda Tank	CWM, Model City, NY
NYH1463967	03/01/05	Contaminated Soil	21.01	Tonawanda Tank	CWM, Model City, NY
NYH1463994	03/01/05	Contaminated Soil	20.76	Tonawanda Tank	CWM, Model City, NY
NYH1463985	03/01/05	Contaminated Soil	23.79	Tonawanda Tank	CWM, Model City, NY
NYH1462284	03/01/05	Contaminated Soil	32.11	Price Trucking Corp.	CWM, Model City, NY
NYH1463958	03/01/05	Contaminated Soil	24.60	Tonawanda Tank	CWM, Model City, NY
NYH1525041	03/02/05	Contaminated Soil	22.50	Tonawanda Tank	CWM, Model City, NY
NYH1525095	03/02/05	Contaminated Soil	25.45	Tonawanda Tank	CWM, Model City, NY
NYH1525104	03/02/05	Contaminated Soil	23.72	Tonawanda Tank	CWM, Model City, NY
NYH1525086	03/02/05	Contaminated Soil	25.76	Tonawanda Tank	CWM, Model City, NY
NYH1525113	03/02/05	Contaminated Soil	24.42	Tonawanda Tank	CWM, Model City, NY
NYH1525059	03/02/05	Contaminated Soil	20.14	Tonawanda Tank	CWM, Model City, NY
NYH1525068	03/03/05	Contaminated Soil	20.10	Tonawanda Tank	CWM, Model City, NY
			11,471	**Total Tonnage**	

Table 3-1.
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Part 375 Soil Cleanup Objective *	SC-419 12/17/93 Unknown Stockpile	SSC-A 4/23/04 0.5' Stockpile	SP-1 5/20/04 0'-3' New Ditch	SP-2 5/20/04 0'-3' New Ditch	SP-3 5/20/04 0'-3' New Ditch	SP-4 5/20/04 0'-3' New Ditch
Volatile Organic Compounds (µg/kg or ppb)							
Benzene	4,800	ND (2)	2.0	ND (1)	3.0	3.0	2.0
Carbon Disulfide	2,700 +	ND (2.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	41,000	ND (3)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Toluene	100,000	ND (2)	4.0	2.0	4.0	4.0	3.0
Trichloroethene	21,000	ND (2.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Xylene-O	100,000	ND (3.5)	1.0	ND (1)	1.0	1.0	ND (1)
Xylene-M&P		ND (2)	4.0	ND (1)	4.0	4.0	3.0
Semivolatile Organic Compounds (µg/kg or ppb)							
Benzo(a)anthracene	1,000	ND (60)	370.0	ND (100)	ND (100)	ND (100)	ND (100)
Benzo(a)pyrene	1,000	ND (60)	380.0	ND (100)	ND (100)	ND (100)	ND (100)
Benzo(b)fluoranthene	1,000	ND (140)	380.0	ND (80)	ND (80)	ND (80)	ND (80)
Benzo(g,h,i)perylene	100,000	ND (200)	370.0	ND (100)	ND (100)	ND (100)	ND (100)
Benzo(k)fluoranthene	3,900	ND (140)	360.0	ND (80)	ND (80)	ND (80)	ND (80)
Bis(2-ethylhexyl)phthalate	50,000 +	ND (60)	ND (1,500)	ND (1,500)	8,600	ND (1,500)	ND (1,500)
Chrysene	3,900	ND (60)	420.0	ND (120)	ND (120)	ND (120)	ND (120)
Dibenzo(a,h)anthracene	330.0	ND (200)	140.0	ND (120)	ND (120)	ND (120)	ND (120)
Di-n-butylphthalate	8,100 +	ND (200)	ND (220)	1,100	ND (220)	ND (220)	ND (220)
Fluoranthene	100,000	ND (60)	670.0	100.0	ND (100)	ND (100)	ND (100)
Indeno(1,2,3-cd)pyrene	500.0	ND (200)	350.0	ND (120)	ND (120)	ND (120)	ND (120)

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Part 375 Soil Cleanup Objective *	SC-419 12/17/93 Unknown Stockpile	SSC-A 4/23/04 0.5' Stockpile	SP-1 5/20/04 0'-3' New Ditch	SP-2 5/20/04 0'-3' New Ditch	SP-3 5/20/04 0'-3' New Ditch	SP-4 5/20/04 0'-3' New Ditch
Semivolatile Organic Compounds (continued)							
Phenanthrene	100,000	ND (60)	400.0	80.0	ND (60)	ND (60)	ND (60)
Pyrene	100,000	ND (60)	690.0	ND (120)	ND (120)	ND (120)	ND (120)
PCB/Pesticides (µg/kg or ppb)							
4,4'-DDT	7,900		ND (9)	ND (9)	ND (9)	ND (9)	ND (9)
Aroclor-1248	1,000	ND (5)	ND (31)	110.0	ND (31)	ND (31)	ND (31)
Inorganic Compounds (mg/kg or ppm)							
Aluminum	NS	25,700	19,000	18,000	14,000	11,000	16,000
Antimony	2.17 ++	ND (5)	ND (5)				
Arsenic	16.0	5.5	ND (5)	5.4	ND (5)	ND (5)	ND (5)
Barium	400.0	179.0	130.0	140.0	96.0	94.0	120.0
Beryllium	72.0	1.0	0.9	1.1	0.7	0.5	0.8
Cadmium	4.3	ND (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Calcium	NS	48,000	28,000	37,000	48,000	56,000	36,000
Chromium	180.0	26.0	27.0	24.0	19.0	15.0	20.0
Cobalt	30.0 +	13.0	14.0	11.0	10.0	8.0	10.0
Copper	270.0	24.0	37.0	34.0	19.0	19.0	21.0
Iron	SB (26,100)	**37,000**	**29,000**	**32,000**	25,000	20,000	26,000
Lead	400.0	ND (5)	32.0	43.0	11.0	14.0	14.0
Magnesium	NS	16,000	11,000	5,000	16,000	17,000	14,000

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Part 375 Soil Cleanup Objective *	SC-419 12/17/93 Unknown Stockpile	SSC-A 4/23/04 0.5' Stockpile	SP-1 5/20/04 0'-3' New Ditch	SP-2 5/20/04 0'-3' New Ditch	SP-3 5/20/04 0'-3' New Ditch	SP-4 5/20/04 0'-3' New Ditch
Inorganic Compounds (continued)							
Manganese	2,000	488.0	660.0	750.0	570.0	640.0	590.0
Mercury	0.81	ND (0.25)		0.1	ND (0.04)	ND (0.04)	ND (0.04)
Nickel	310.0	30.0	27.0	28.0	23.0	19.0	25.0
Potassium	NS	3,900	2,600	2,200	2,000	1,600	2,200
Selenium	180.0	ND (0.2)	11.0	12.0	ND (10)	ND (10)	ND (10)
Silver	180.0	ND (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Sodium	NS	190.0	120.0	79.0	160.0	130.0	140.0
Vanadium	150.0 +	17.0	35.0	39.0	27.0	22.0	30.0
Zinc	10,000	60.7	120.0	170.0	69.0	85.0	83.0

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Part 375 Soil Cleanup Objective *	SP-5 5/20/04 0'-3' New Ditch	SP-6 5/20/04 0'-3' New Ditch	SP-7 10/29/04 0'-3' TP-1/TP-4	SP-8 10/29/04 0'-3' TP- 5/TP-8	SP-9 10/29/04 0'-3' TP- 9/TP-12	SP-10 10/29/04 0'-3' Stockpile
Volatile Organic Compounds (µg/kg or ppb)							
Benzene	4,800	2.0	2.0	ND (1)	3.0	ND (1)	3.0
Carbon Disulfide	2,700 +	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	2.0
Ethylbenzene	41,000	ND (1)	ND (1)	ND (1)	1.0	ND (1)	ND (1)
Toluene	100,000	2.0	4.0	ND (1)	4.0	ND (1)	5.0
Trichloroethene	21,000	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	4.0
Xylene-O	100,000	ND (1)	1.0	ND (1)	1.0	ND (1)	2.0
Xylene-M&P		2.0	4.0	4.0	7.0	4.0	5.0
Semivolatile Organic Compounds (µg/kg or ppb)							
Benzo(a)anthracene	1,000	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	130.0
Benzo(a)pyrene	1,000	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	150.0
Benzo(b)fluoranthene	1,000	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	170.0
Benzo(g,h,i)perylene	100,000	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	130.0
Benzo(k)fluoranthene	3,900	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	130.0
Bis(2-ethylhexyl)phthalate	50,000 +	ND (1,500)	ND (1,500)	ND (1,500)	ND (1,500)	ND (1,500)	ND (1,500)
Chrysene	3,900	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	140.0
Dibenzo(a,h)anthracene	330.0	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)
Di-n-butylphthalate	8,100 +	ND (220)	330.0	ND (220)	ND (220)	ND (220)	ND (220)
Fluoranthene	100,000	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Indeno(1,2,3-cd)pyrene	500.0	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	120.0

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Part 375 Soil Cleanup Objective *	SP-5 5/20/04 0'-3' New Ditch	SP-6 5/20/04 0'-3' New Ditch	SP-7 10/29/04 0'-3' TP-1/TP-4	SP-8 10/29/04 0'-3' TP- 5/TP-8	SP-9 10/29/04 0'-3' TP- 9/TP-12	SP-10 10/29/04 0'-3' Stockpile
Semivolatile Organic Compounds (continued)							
Phenanthrene	100,000	ND (60)	ND (60)	ND (60)	ND (60)	ND (60)	90.0
Pyrene	100,000	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)	ND (120)
PCB/Pesticides (µg/kg or ppb)							
4,4'-DDT	7,900	ND (9)	ND (9)	ND (9)	ND (9)	ND (9)	13.0
Aroclor-1248	1,000	ND (31)	ND (31)	ND (31)	ND (31)	ND (31)	480.0
Inorganic Compounds (mg/kg or ppm)							
Aluminum	NS	13,000	8,400	13,000	9,300	12,000	16,000
Antimony	2.17 ++			ND (5)	ND (5)	ND (5)	ND (5)
Arsenic	16.0	ND (5)	ND (5)	5.9	ND (5)	ND (5)	7.9
Barium	400.0	95.0	75.0	110.0	78.0	92.0	130.0
Beryllium	72.0	0.6	0.4	0.6	0.5	0.6	0.9
Cadmium	4.3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1.0
Calcium	NS	41,000	70,000	54,000	45,000	50,000	28,000
Chromium	180.0	17.0	14.0	19.0	13.0	17.0	31.0
Cobalt	30.0 +	9.0	7.0	9.0	6.0	9.0	10.0
Copper	270.0	19.0	18.0	21.0	17.0	22.0	45.0
Iron	SB (26,100)	23,000	17,000	24,000	18,000	23,000	26,000
Lead	400.0	12.0	15.0	16.0	13.0	17.0	60.0
Magnesium	NS	15,000	18,000	15,000	14,000	16,000	8,700

Table 3-1 (continued).
Analytical Results of Soil Utilized as Backfill During the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Location	Part 375 Soil Cleanup Objective *	SP-5 5/20/04 0'-3' New Ditch	SP-6 5/20/04 0'-3' New Ditch	SP-7 10/29/04 0'-3' TP-1/TP-4	SP-8 10/29/04 0'-3' TP- 5/TP-8	SP-9 10/29/04 0'-3' TP- 9/TP-12	SP-10 10/29/04 0'-3' Stockpile
Inorganic Compounds (continued)							
Manganese	2,000	520.0	560.0	550.0	500.0	610.0	560.0
Mercury	0.81	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.17
Nickel	310.0	21.0	16.0	21.0	14.0	22.0	26.0
Potassium	NS	1,900	1,500	2,000	1,300	1,900	1,900
Selenium	180.0	ND (10)	ND (10)	11.0	ND (10)	ND (10)	11.0
Silver	180.0	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Sodium	NS	120.0	130.0	150.0	110.0	130.0	120.0
Vanadium	150.0 +	26.0	19.0	27.0	20.0	26.0	30.0
Zinc	10,000	73.0	71.0	89.0	79.0	100.0	380.0

***** 6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
+ NYSDEC Technical and Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, 1995.
++ Site background value for the Eastern United States (95th percentile), Shacklette and Boerngen, 1984.
ND Indicates that the compound was not detected at the method detection limit specified in parentheses.
NS No standard or guidance value available.
SB Site background values are from the July 1997 RI/RFI report.
Blanks indicate that the sample was not analyzed for the associated compound.
Shaded values equal or exceed the Part 375 or TAGM 4046 soil cleanup objectives.

Table 3-2.
Analytical Results of Sludge Samples Collected from the Spauldite Sheet Basement at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location**	**Part 371 Hazardous Waste Criteria ***	**FD-1** **05/18/04** **Floor Drain 1**	**FD-2** **05/18/04** **Floor Drain 2**	**FD-3** **05/18/04** **Floor Drain 3**	**FD-4** **05/18/04** **Floor Drain 4**
PCBs (µg/g or ppm)					
Aroclor-1248		84.0	12.0	5.3	12.0
Aroclor-1254					
Aroclor-1260					
Total PCBs	50.0	**84.0**	12.0	5.3	12.0
Sample Number **Date Sampled** **Sample Location**	**Part 375 Soil Cleanup Objective ***	**SMP-1** **05/18/04** **Sump A**	**SMP-2** **05/18/04** **Sump B**	**OSE-1 **** **05/18/04** **Equipment**	
PCBs (µg/g or ppm)					
Aroclor-1248		150.0	430.0	19.0	
Aroclor-1254					
Aroclor-1260					
Total PCBs	50.0	**150.0**	**430.0**	19.0	

***** **6 NYCRR Part 371: Identification and Listing of Hazardous Wastes, NYSDEC, 1995.**
****** **Sample was collected of an oily substance coating the equipment and debris in the basement.**
Blanks indicate that the compound was analyzed for but was not detected.
Shaded values equal or exceed the Part 371 hazardous waste criteria.

Table 3-3.
Analytical Results of Samples Collected from the Northwest Ditch at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	D-1 08/12/04 0.0' - 0.2' Topsoil	D-1 08/12/04 0.5' - 0.7' RBSC	D-1 08/12/04 1.0' - 1.2' RBSC	D-2 08/12/04 0.0' - 0.2' Topsoil	D-2 08/12/04 0.5' - 0.7' RBSC	D-2 08/12/04 1.0' - 1.2' RBSC
PCBs (µg/g or ppm)							
Aroclor-1248			30.0			26.0	
Aroclor-1254							
Total PCBs	1.0	0.22 **	**30.0 (16.8 **)**	"low" **	0.73 **	**26.0 (7.23 **)**	"low" **
Sample Number Date Sampled Sample Depth Sample Description	**Part 375 Soil Cleanup Objective ***	**D-3 08/12/04 0.0' - 0.2' Topsoil**	**D-3 08/12/04 0.5' - 0.7' RBSC**	**D-3 08/12/04 1.0' - 1.2' RBSC**	**D-4 08/13/04 0.0' - 0.2' RBSC**	**D-4 08/13/04 0.5' - 0.7' RBSC**	**D-4 08/13/04 1.0' - 1.2' RBSC**
PCBs (µg/g or ppm)							
Aroclor-1248			58.0			0.11	0.094
Aroclor-1254							
Total PCBs	1.0	N/A	**58.0 (16.2 **)**	N/A	N/A	0.11	0.094
Sample Number Date Sampled Sample Depth Sample Description	**Part 375 Soil Cleanup Objective ***	**D-5 08/13/04 0.0' - 0.2' Topsoil**	**D-5 08/13/04 0.5' - 0.7' RBSC**	**D-5 08/13/04 1.0' - 1.2' RBSC**	**D-6 08/13/04 0.0' - 0.2' RBSC**	**D-6 08/13/04 0.5' - 0.7' RBSC**	**D-6 08/13/04 1.0' - 1.2' 4BSC**
PCBs (µg/g or ppm)							
Aroclor-1248			0.91			0.44	
Aroclor-1254							
Total PCBs	1.0	N/A	0.91 (0.39 **)	0.34 **	**2.27 ****	0.44 (1.74 **)	N/A

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
****** **Analytical result obtained on site using the Dexsil L2000 PCB/Chloride analyzer.**
RBSC **Reddish brown silty clay.**
N/A **Sample not analyzed.**
Blanks indicate that the compound was analyzed for but was not detected.
Shaded values equal or exceed the Part 375 soil cleanup objectives.

Table 3-4.
Analytical Results of Samples Collected from the Roadway Ditch at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	D-7 08/25/04 0.4' - 0.9' Black Ash	D-8 08/25/04 1.2' - 1.6' Reworked SC	PS-1 08/25/04 1.0' - 1.4' Black Ash	PS-2 08/25/04 0.6' - 1.2' Brown Soil
PCBs (µg/g or ppm)					
Aroclor-1248		180.0	8.2		140.0
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	**180.0 (237 **)**	**8.2 (272 **)**	0.86 **	**140.0 (11.0 **)**

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	PS-3 08/25/04 3.9' Oil Coated Soil	PS-4 08/25/04 4.8' - 5.6' Native SC	D-9 08/25/04 0.5' - 0.7' Reworked SC	D-9 08/25/04 1.0' - 1.3' Reworked SC
PCBs (µg/g or ppm)					
Aroclor-1248		0.22		0.68	
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	0.22 (0.53 **)	0.71 **	0.68 (0.63 **)	0.56 **

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
SC **Silty clay.**
****** **Analytical result obtained on site using the Dexsil L2000 PCB/Chloride analyzer.**
Blanks indicate that the compound was analyzed for but was not detected.
Shaded values equal or exceed the Part 375 soil cleanup objectives.

Table 3-5.
Analytical Results of Waste Associated With SWMU 11 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	W-1 08/10/04 0.0' - 0.17' Slag	W-2 08/13/04 0.6' Ash over Clay	W-3 08/13/04 1.2' - 1.4' Ash over Pipe	W-4 08/13/04 0.0' - 2.0' Oily Ash	W-5 08/13/04 0.8' - 1.2' Reworked SC
Volatile Organic Compounds (µg/kg or ppb)						
Benzene	4,800	14.0				
2-Butanone	100,000	15.0				
Carbon Disulfide	2,700 +	89.0				
1,2-Dichlorobenzene	100,000	1.0				
Ethylbenzene	41,000	29.0				
Isopropylbenzene	2,300 +	ND (1)				
Tetrachloroethene	19,000	2.0				
Toluene	100,000	72.0				
Xylene-O	100,000	26.0				
Xylene-M&P		83.0				
Semivolatile Organic Compounds (µg/kg or ppb)						
2,4-Dimethylphenol	NS	ND (340)				
Di-n-butylphthalate	8,100 +	1,500				
Fluoranthene	100,000	140.0				
2-Methylphenol	100,000	ND (1,000)				
3&4-Methylphenol	100,000	ND (1,000)				
Phenanthrene	100,000	130.0				
Phenol	100,000	1,400				
Pyrene	100,000	120.0				

Table 3-5 (continued).
Analytical Results of Waste Associated With SWMU 11 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Depth** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**W-1** **08/10/04** **0.0' - 0.17'** **Slag**	**W-2** **08/13/04** **0.6'** **Ash over Clay**	**W-3** **08/13/04** **1.2' - 1.4'** **Ash over Pipe**	**W-4** **08/13/04** **0.0' - 2.0'** **Oily Ash**	**W-5** **08/13/04** **0.8' - 1.2'** **Reworked SC**
PCB/Pesticides (mg/kg or ppm)						
Aroclor-1248	1.0	**14.0**	**61.0**	**410.0**	**890.0**	**56.4 ****
Inorganic Compounds (mg/kg or ppm)						
Aluminum	NS	26,000				
Antimony	2.17 ++	ND (5)				
Arsenic	16.0	ND (5)				
Barium	400.0	220.0				
Beryllium	72.0	6.8				
Cadmium	4.3	ND (1)				
Calcium	NS	190,000				
Chromium	180.0	14.0				
Cobalt	30.0 +	ND (5)				
Copper	270.0	16.0				
Iron	SB (26,100)	7,800				
Lead	400.0	29.0				
Magnesium	NS	12,000				
Manganese	2,000	**2,300**				
Mercury	0.81	ND (0.04)				
Nickel	310.0	7.0				
Potassium	NS	2,100				

Table 3-5 (continued).
Analytical Results of Waste Associated With SWMU 11 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	W-1 08/10/04 0.0' - 0.17' Slag	W-2 08/13/04 0.6' Ash over Clay	W-3 08/13/04 1.2' - 1.4' Ash over Pipe	W-4 08/13/04 0.0' - 2.0' Oily Ash	W-5 08/13/04 0.8' - 1.2' Reworked SC
Inorganic Compounds (continued)						
Selenium	180.0	ND (10)				
Silver	180.0	ND (1)				
Sodium	NS	2,100				
Vanadium	150.0 +	9.0				
Zinc	10,000	440.0				

Table 3-5 (continued).
Analytical Results of Waste Associated With SWMU 11 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	DS-38 10/13/04 0.0' - 0.17' Grinding Waste	TS-24 10/21/04 0.0' - 0.17' Black Ash	TS-25 10/21/04 0.0' - 0.17' Grinding Waste	TS-28 10/22/04 0.0' - 0.17' Grinding Waste
Volatile Organic Compounds (µg/kg or ppb)					
Benzene	4,800	**120,000**		ND (1)	1.0
2-Butanone	100,000	ND (10)		6.0	8.0
Carbon Disulfide	2,700 +	5.0		3.0	2.0
1,2-Dichlorobenzene	100,000	ND (4)		ND (1)	1.0
Ethylbenzene	41,000	8.0		ND (1)	ND (1)
Isopropylbenzene	2,300 +	ND (4)		ND (1)	6.0
Tetrachloroethene	19,000	ND (2)		1.0	ND (1)
Toluene	100,000	140.0		ND (1)	ND (1)
Xylene-O	100,000	11.0		ND (1)	5.0
Xylene-M&P		36.0		ND (1)	1.0
Semivolatile Organic Compounds (µg/kg or ppb)					
2,4-Dimethylphenol	NS	5,600		ND (340)	ND (340)
Di-n-butylphthalate	8,100 +	5,500		ND (220)	ND (220)
Fluoranthene	100,000	ND (100)		ND (100)	ND (100)
2-Methylphenol	100,000	4,700		ND (1,000)	ND (1,000)
3&4-Methylphenol	100,000	3,800		ND (1,000)	ND (1,000)
Phenanthrene	100,000	ND (60)		ND (60)	ND (60)
Phenol	100,000	**200,000**		ND (540)	ND (540)
Pyrene	100,000	ND (120)		ND (120)	ND (120)

Table 3-5 (continued).
Analytical Results of Waste Associated With SWMU 11 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	DS-38 10/13/04 0.0' - 0.17' Grinding Waste	TS-24 10/21/04 0.0' - 0.17' Black Ash	TS-25 10/21/04 0.0' - 0.17' Grinding Waste	TS-28 10/22/04 0.0' - 0.17' Grinding Waste
PCB/Pesticides (mg/kg or ppm)					
Aroclor-1248	1.0	0.087	**26.0**	ND (1.2)	ND (1.2)
Inorganic Compounds (mg/kg or ppm)					
Aluminum	NS	730.0		6,400	6,100
Antimony	2.17 ++			ND (5)	ND (5)
Arsenic	16.0			ND (5)	ND (5)
Barium	400.0	5.8		18.0	19.0
Beryllium	72.0	ND (0.1)		0.3	0.2
Cadmium	4.3	ND (1)		ND (1)	ND (1)
Calcium	NS	1,400		960.0	920.0
Chromium	180.0	7.0		8.0	7.0
Cobalt	30.0 +	ND (5)		ND (5)	ND (5)
Copper	270.0	240.0		5.0	4.0
Iron	SB (26,100)	1,100		10,000	9,600
Lead	400.0	19.0		5.0	6.0
Magnesium	NS	1,500		1,400	1,200
Manganese	2,000	10.0		71.0	78.0
Mercury	0.81	0.05		ND (0.04)	ND (0.04)
Nickel	310.0	9.0		7.0	7.0
Potassium	NS	110.0		500.0	400.0

Table 3-5 (continued).
Analytical Results of Waste Associated With SWMU 11 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	DS-38 10/13/04 0.0' - 0.17' Grinding Waste	TS-24 10/21/04 0.0' - 0.17' Black Ash	TS-25 10/21/04 0.0' - 0.17' Grinding Waste	TS-28 10/22/04 0.0' - 0.17' Grinding Waste
Inorganic Compounds (continued)					
Selenium	180.0			ND (10)	ND (10)
Silver	180.0	ND (1)		ND (1)	ND (1)
Sodium	NS	44.0		71.0	73.0
Vanadium	150.0 +	2.0		15.0	15.0
Zinc	10,000	410.0		21.0	27.0

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
+ **NYSDEC Technical and Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, 1995.**
++ **Site background value for the Eastern United States (95th percentile), Shacklette and Boerngen, 1984.**
SC **Silty clay.**
****** **Analytical result obtained on site using the Dexsil L2000 PCB/Chloride analyzer.**
NS **No standard or guidance value available.**
ND **Indicates that the compound was not detected at the method detection limit specified in parentheses.**
Blanks indicate that the sample was not analyzed for the associated compound.
Shaded values equal or exceed the Part 375 or TAGM 4046 soil cleanup objectives.

Table 3-6.
Analytical Results of Surface Soil from the SWMU 11 Area at the Spaulding Composites Site.

Sample Number Date Sampled Sample Depth Sample Description	Part 375 Soil Cleanup Objective *	SS-1 08/13/04 0.0' - 0.17' Black Ash	SS-2 08/25/04 0.0' - 0.17' Black Ash	SS-3 08/25/04 0.0' - 0.17' Brown Cinders
PCBs (µg/g or ppm)				
Aroclor-1248		5.7	36.0	0.73
Aroclor-1254				
Aroclor-1260				
Total PCBs	1.0	**5.7**	**36.0**	0.73

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
Blanks indicate that the compound was analyzed for but was not detected.
Shaded values equal or exceed the Part 375 soil cleanup objectives.

Table 3-7.
Analytical Results of the Stockpiled Button Ash at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Type**	**Part 375** **Soil Cleanup** **Objective ***	**W-6** **09/14/04** **Composite**			
Volatile Organic Compounds (µg/kg or ppb)					
Benzene	4,800	3.0			
Carbon Disulfide	2,700 +	4.0			
Toluene	100,000	7.0			
Trichloroethene	21,000	2.0			
Xylene-M&P	100,000	2.0			
Semivolatile Organic Compounds (µg/kg or ppb)					
Acenaphthene	100,000	3,000			
Anthracene	100,000	5,700			
Benzo(a)anthracene	1,000	**11,000**			
Benzo(a)pyrene	1,000	**7,900**			
Benzo(b)fluoranthene	1,000	**7,900**			
Benzo(g,h,i)perylene	100,000	4,900			
Benzo(k)fluoranthene	3,900	**8,900**			
Bis(2-ethylhexyl)phthalate	50,000 +	2,100			
Carbazole	NS	3,100			
Chrysene	3,900	**10,000**			
Dibenzo(a,h)anthracene	330.0	**1,300**			
Dibenzofuran	59,000	2,300			
Di-n-butylphthalate	8,100 +	**27,000**			
Fluoranthene	100,000	26,000			
Fluorene	100,000	3,700			
Indeno(1,2,3-cd)pyrene	500.0	**6,000**			
2-Methylnaphthalene	36,400 +	1,300			
Naphthalene	100,000	2,600			
Phenanthrene	100,000	28,000			
Phenol	100,000	1,200			
Pyrene	100,000	23,000			

Table 3-7 (continued).
Analytical Results of the Stockpiled Button Ash at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Type**	**Part 375** **Soil Cleanup** **Objective ***	**W-6** **09/14/04** **Composite**			
PCB/Pesticides (µg/g or ppm)					
Aroclor-1248		0.19			
Aroclor-1254		0.33			
Aroclor-1268		0.58			
Total PCBs	1.0	**1.10**			
Inorganic Compounds (mg/kg or ppm)					
Aluminum	NS	14,000			
Antimony	2.17 ++				
Arsenic	16.0				
Barium	400.0	310.0			
Beryllium	72.0	1.3			
Cadmium	4.3	**23.0**			
Calcium	NS	33,000			
Chromium	180.0	53.0			
Cobalt	30.0 +	11.0			
Copper	270.0	**820.0**			
Iron	SB (26,100)	**60,000**			
Lead	400.0	290.0			
Magnesium	NS	7,800			
Manganese	2,000	880.0			
Mercury	0.81				
Nickel	310.0	79.0			
Potassium	NS	2,000			
Selenium	180.0				
Silver	180.0	2.4			
Sodium	NS	260.0			
Vanadium	150.0 +	29.0			
Zinc	10,000	4,100			

Table 3-7 (continued).
Analytical Results of the Stockpiled Button Ash at the Spaulding Composites Site.

*	6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
+	NYSDEC Technical and Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, 1995.
++	Site background value for the Eastern United States (95th percentile), Shacklette and Boerngen, 1984.
ND	Indicates that the compound was not detected at the method detection limit specified in parentheses.
NS	No standard or guidance value available.
SB	Site background values are from the July 1997 RI/RFI report.
	Blanks indicate that the sample was not analyzed for the associated compound.
	Shaded values equal or exceed the Part 375 or TAGM 4046 soil cleanup objectives.

Table 3-8.
Analytical Results of Contaminated Soil Stockpiles at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location**	**Hazardous Waste Criteria ***	**SP-1** **09/23/04** **Stockpile 1**	**SP-2** **09/23/04** **Stockpile 1**	**SP-3** **09/23/04** **Stockpile 2**
PCBs (µg/g or ppm)				
Aroclor-1248		980.0	3,200	54.0
Aroclor-1254				
Aroclor-1260				
Total PCBs	50.0	**980.0**	**3,200**	**54.0**
Sample Number **Date Sampled** **Sample Location**	**Hazardous Waste Criteria ***	**SP-4** **09/23/04** **Stockpile 2**	**SP-5** **09/23/04** **Stockpile 3**	**SP-6** **09/23/04** **Stockpile 3**
PCBs (µg/g or ppm)				
Aroclor-1248		120.0	400.0	120.0
Aroclor-1254				
Aroclor-1260				
Total PCBs	50.0	**120.0**	**400.0**	**120.0**
Sample Number **Date Sampled** **Sample Location**	**Hazardous Waste Criteria ***	**SP-7** **09/23/04** **Stockpile 4**	**SP-8** **09/23/04** **Stockpile 4**	**SP-9** **10/12/04** **Stockpile 5**
PCBs (µg/g or ppm)				
Aroclor-1248		65.0	120.0	98.0
Aroclor-1254				
Aroclor-1260				
Total PCBs	50.0	**65.0**	**120.0**	**98.0**

***** **6 NYCRR Part 371: Identification and Listing of Hazardous Wastes, 1995.**
Blanks indicate that the compound was analyzed for but was not detected.
Shaded values equal or exceed the hazardous waste criteria.

Table 3-9.
Analytical Results of Confirmatory Samples Collected from SWMU 12 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location**	**Part 375 Soil Cleanup Objective ***	**LS-1** **07/22/04** **Outer Wall - Center South Arm**	**LS-2** **07/26/04** **Outer Wall - West South Arm**	**LS-3** **07/27/04** **Inner Wall - West South Arm**	**LS-4** **07/27/04** **Inner Wall - Center Base of "U"**	**LS-5** **07/27/04** **Outer Wall - Center Base of "U"**
PCBs (µg/g or ppm)						
Aroclor-1248						
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (0.059)	ND (0.06)	ND (0.059)	ND (0.059)	ND (0.059)
Sample Number **Date Sampled** **Sample Location**	**Part 375 Soil Cleanup Objective ***	**LS-6** **07/27/04** **Floor - Center Base of "U"**	**LS-7** **07/27/04** **Outer Wall - Fill Southwest Ditch**	**LS-8** **07/27/04** **Floor - West South Arm**	**LS-9** **07/27/04** **Outer Wall - Fill Northwest Ditch**	**LS-10** **07/30/04** **Outer Wall - Center South Arm**
PCBs (µg/g or ppm)						
Aroclor-1248			0.74		12.0	
Aroclor-1254			0.73		3.9	
Aroclor-1260						
Total PCBs	1.0	ND (0.059)	**1.47**	ND (0.059)	**15.9**	ND (0.059)
Sample Number **Date Sampled** **Sample Location**	**Part 375 Soil Cleanup Objective ***	**LS-11** **07/30/04** **Floor - Center South Arm**	**LS-12** **07/30/04** **Inner Wall - Center South Arm**	**LS-13** **07/30/04** **Inner Wall - West North Arm**	**LS-14** **07/30/04** **Floor - West North Arm**	**LS-15** **07/30/04** **Outer Wall - West North Arm**
PCBs (µg/g or ppm)						
Aroclor-1248						
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (0.059)	ND (0.059)	ND (0.059)	ND (0.059)	ND (0.059)

Table 3-9 (continued).
Analytical Results of Confirmatory Samples Collected from SWMU 12 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location**	**Part 375 Soil Cleanup Objective ***	**LS-16** **08/05/04** **Outer Wall - Center South Arm**	**LS-17** **08/05/04** **Floor - Center South Arm**	**LS-18** **08/05/04** **Inner Wall - Center South Arm**	**LS-19** **08/05/04** **Inner Wall - Center North Arm**	**LS-20** **08/05/04** **Floor - Center North Arm**
PCBs (µg/g or ppm)						
Aroclor-1248						
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (0.059)	ND (0.059)	ND (0.059)	ND (0.059)	ND (0.059)
Sample Number **Date Sampled** **Sample Location**	**Part 375 Soil Cleanup Objective ***	**LS-21** **08/05/04** **Outer Wall - Center North Arm**	**LS-22** **08/09/04** **Inner Wall - East South Arm**	**LS-23** **08/09/04** **End Wall - East South Arm**	**LS-24** **08/09/04** **Outer Wall - East South Arm**	**LS-25** **08/09/04** **Floor - East South Arm**
PCBs (µg/g or ppm)						
Aroclor-1248					1.0	
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (0.059)	ND (0.059)	ND (0.059)	**1.0**	ND (0.059)
Sample Number **Date Sampled** **Sample Location**	**Part 375 Soil Cleanup Objective ***	**LS-26** **08/09/04** **Outer Wall - Waste Lg Southeast Ditch**	**LS-27** **08/09/04** **Outer Wall - Fill Lg Southeast Ditch**	**LS-28** **08/09/04** **Outer Wall - Fill Sm Southeast Ditch**	**LS-29** **08/09/04** **Outer Wall - Center North Arm**	**LS-30** **08/09/04** **Inner Wall - Center North Arm**
PCBs (µg/g or ppm)						
Aroclor-1248		15.0	5.7	1.8	0.41	0.051
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	**15.0**	**5.7**	**1.8**	0.41	0.051

Table 3-9 (continued).
Analytical Results of Confirmatory Samples Collected from SWMU 12 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location	Part 375 Soil Cleanup Objective *	LS-31 08/09/04 Floor - Center North Arm	LS-32 08/09/04 Floor - East North Arm	LS-33 08/09/04 Outer Wall - East North Arm	LS-34 08/09/04 Inner Wall - East North Arm	LS-35 08/09/04 End Wall - East North Arm
PCBs (µg/g or ppm)						
Aroclor-1248		3.8		51.0		0.089
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	**3.8**	ND (0.059)	**51.0**	ND (0.059)	0.089
Sample Number Date Sampled Sample Location	**Part 375 Soil Cleanup Objective ***	**LS-36 08/09/04 Outer Wall - Fill Roadway Ditch**	**LS-37 08/09/04 Sludge Inflow Pipe**			
PCBs (µg/g or ppm)						
Aroclor-1248		850.0	2,600			
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	**850.0**	**2,600**			

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
ND **Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.**
Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).
Orange hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were further excavated during the OU2 IRM.

Table 3-10.
Analytical Results of Confirmatory Samples Collected from the Northwest Ditch at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-1** **09/01/04** **Floor - North** **RBSC**	**DS-2** **09/01/04** **West Wall - North** **RBSC**	**DS-3** **09/01/04** **East Wall - North** **RBSC**	**DS-4** **09/01/04** **Floor - South** **RBSC**
PCBs (µg/g or ppm)					
Aroclor-1248		110.0		0.40	1.3
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	**110.0**	ND (0.059)	0.40	**1.3**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-5** **09/01/04** **West Wall - South** **RBSC**	**DS-6** **09/01/04** **East Wall - South** **RBSC**	**DS-18** **09/20/04** **Floor - Center** **RBSC**	**DS-19** **09/20/04** **Floor - North** **RBSC**
PCBs (µg/g or ppm)					
Aroclor-1248		0.16	0.14	950.0	0.18
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	0.16	0.14	**950.0**	0.18
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-20** **09/20/04** **West Wall - North** **RBSC**	**DS-21** **09/20/04** **East Wall - North** **RBSC**	**DS-39** **10/08/04** **Floor - Center** **RBSC**	
PCBs (µg/g or ppm)					
Aroclor-1248			1,500	11.0	
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	ND (0.059)	**1,500**	**11.0**	

Table 3-10 (continued).
Analytical Results of Confirmatory Samples Collected from the Northwest Ditch at the Spaulding Composites Site.

*	6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
RBSC	Reddish brown silty clay.
ND	Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.
	Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
	Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).
	Orange hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were further excavated during the OU2 IRM.

Table 3-11.
Analytical Results of Confirmatory Samples Collected from the Southeast Ditch at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-7** **09/02/04** **Floor - North** **RBSC**	**DS-8** **09/02/04** **West Wall - North** **RBSC**	**DS-9** **09/02/04** **East Wall - North** **RBSC**	**DS-10** **09/02/04** **West Wall - Center** **RBSC**
PCBs (µg/g or ppm)					
Aroclor-1248		0.055	0.044		
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	0.055	0.044	ND (0.059)	ND (0.059)
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-11** **09/02/04** **South Wall - West** **RBSC**	**DS-12** **09/02/04** **Floor - Center** **RBSC**	**DS-13** **09/02/04** **East Wall - Center** **RBSC**	**DS-14** **09/02/04** **East Wall - South** **RBSC**
PCBs (µg/g or ppm)					
Aroclor-1248				0.11	
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	ND (0.059)	ND (0.059)	0.11	ND (0.059)
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-15** **09/02/04** **Floor - South** **RBSC**	**DS-16** **09/02/04** **East Wall - South** **RBSC**	**DS-17** **09/02/04** **South Wall - East** **Grinding Waste**	**DS-63** **02/04/05** **South Wall - East** **Grinding Waste**
PCBs (µg/g or ppm)					
Aroclor-1248				15.0	2.5
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	ND (0.059)	ND (0.059)	**15.0**	**2.5**

Table 3-11 (continued).
Analytical Results of Confirmatory Samples Collected from the Southeast Ditch at the Spaulding Composites Site.

*	6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
RBSC	Reddish brown silty clay.
ND	Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.
	Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
	Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).
	Orange hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were further excavated during the OU2 IRM.

Table 3-12.
Analytical Results of Grinding Waste from SWMU 12 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location Sample Description	Part 375 Soil Cleanup Objective *	GW-1 5/12/04 Pile No. 2 Grinding Waste	GW-2 5/12/04 Pile No. 3 Grinding Waste	GW-3 5/12/04 Pile No. 4 Grinding Waste
Volatile Organic Compounds (mg/kg or ppm)				
Benzene	4.8	ND (5)	0.003	ND (5)
Carbon Disulfide	2.7 +	ND (5)	0.002	ND (5)
Dichloromethane	NS	ND (100)	0.054	ND (100)
4-Methyl-2-Pentanone	1.0 +	**120.0**	ND (0.005)	**64.0**
Toluene	100.0	**950.0**	0.008	**830.0**
Xylene-O	100.0	ND (5)	0.001	ND (5)
Xylene-M&P		ND (5)	0.003	ND (5)
Semivolatile Organic Compounds (mg/kg or ppm)				
Benzo(a)anthracene	1.0	ND (2)	0.16	ND (1)
Benzo(a)pyrene	1.0	ND (2)	0.16	ND (1)
Benzo(b)fluoranthene	1.0	ND (1.6)	0.15	ND (0.8)
Benzo(g,h,i)perylene	100.0	ND (2)	0.14	ND (1)
Benzo(k)fluoranthene	3.9	ND (1.6)	0.11	ND (0.8)
Chrysene	3.9	ND (1.2)	0.17	ND (1.2)
2,4-Dimethylphenol	NS	190.0	3.3	94.0
Di-n-butylphthalate	8.1 +	**510.0**	**12.0**	**390.0**
2,6-Dinitrotoluene	1.0 +	ND (2.4)	0.18	ND (1.2)
Fluoranthene	100.0	ND (1)	0.22	ND (1)
2-Methylphenol	100.0	**180.0**	1.7	88.0
3&4-Methylphenol	100.0	**290.0**	2.2	**140.0**
Naphthalene	100.0	4.3	0.4	7.9
Phenanthrene	100.0	ND (1.2)	0.18	ND (0.6)
Phenol	100.0	**640.0**	9.9	**370.0**
Pyrene	100.0	ND (1.2)	0.21	ND (1.2)
PCB/Pesticides (mg/kg or ppm)				
Aroclor-1248	1.0	**150.0**	**98.0**	**18.0**

Table 3-12 (continued).
Analytical Results of Grinding Waste from SWMU 12 at the Spaulding Composites Site.

*	6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
+	NYSDEC Technical and Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, 1995.
ND	Indicates that the compound was not detected at the method detection limit specified in parentheses.
NS	No standard or guidance value available.
	Blanks indicate that the sample was not analyzed for the associated compound.
	Shaded values equal or exceed the Part 375 or TAGM 4046 soil cleanup objectives.

Table 3-13.
Analytical Results of Confirmatory Samples Collected from the Initial Excavation of the Roadway Ditch at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-22** **09/20/04** **Floor - 0 + 00** **RBSC**	**DS-23** **09/20/04** **Floor - 0 + 40** **RBSC**	**DS-24** **09/20/04** **Floor - 0 + 70** **RBSC**	**DS-25** **09/20/04** **Floor - 1 + 00** **RBSC**
PCBs (µg/g or ppm)					
Aroclor-1248		0.35	2.6	27,000	79.0
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	0.35	**2.6**	**27,000**	**79.0**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-26** **09/20/04** **Floor - 1 + 30** **RBSC**	**DS-27** **09/20/04** **South Wall - 0 + 40** **RBSC**	**DS-28** **09/20/04** **South Wall - 0 + 70** **RBSC**	**DS-29** **09/20/04** **South Wall - 1 + 00** **RBSC**
PCBs (µg/g or ppm)					
Aroclor-1248		0.067	34.0	0.61	2,300
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	0.067	**34.0**	0.61	**2,300**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**DS-30** **09/20/04** **South Wall - 1 + 20** **RBSC**	**DS-31** **09/20/04** **East Wall** **RBSC**	**DS-32** **09/20/04** **North Wall - 0 + 12** **Cinders and Ash**	**DS-33** **09/20/04** **North Wall - 0 + 40** **Cinders and Ash**
PCBs (µg/g or ppm)					
Aroclor-1248		4,600	0.15	0.063	110.0
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	**4,600**	0.15	0.063	**110.0**

Table 3-13 (continued).
Analytical Results of Confirmatory Samples Collected from the Initial Excavation of the Roadway Ditch at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location Sample Description	Part 375 Soil Cleanup Objective *	DS-34 09/20/04 North Wall - 0 + 70 Cinders and Ash	DS-35 09/20/04 North Wall - 0 + 90 Cinders and Ash	DS-36 09/20/04 North Wall - 1 + 20 Cinders and Ash	DS-37 09/20/04 North Wall - 1 + 35 Cinders and Ash
PCBs (µg/g or ppm)					
Aroclor-1248		340.0	85.0	1.5	8.5
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	**340.0**	**85.0**	**1.5**	**8.5**

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
RBSC **Reddish brown silty clay.**
ND **Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.**
Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
Orange hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were further excavated during the OU2 IRM.

Table 3-14.
Analytical Results of Confirmatory Samples Collected from the Final Excavation of the Roadway Ditch at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location Sample Description	Part 375 Soil Cleanup Objective *	DS-38 10/08/04 West Wall Grinding Waste	DS-40 10/08/04 Floor - 0 + 20 RBSC	DS-41 10/08/04 North Wall - 0 + 20 RBSC	DS-42 10/08/04 South Wall - 0 + 20 RBSC	DS-43 10/08/04 South Wall - 0 + 30 Soil Fill
PCBs (µg/g or ppm)						
Aroclor-1248		0.087		2,500	0.54	240.0
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	0.087	ND (0.059)	**2,500**	0.54	**240.0**
Sample Number Date Sampled Sample Location Sample Description	**Part 375 Soil Cleanup Objective ***	**DS-44 10/08/04 South Wall - 0 + 50 RBSC**	**DS-45 10/08/04 Floor - 0 + 50 RBSC**	**DS-46 10/08/04 North Wall - 0 + 50 RBSC**	**DS-47 10/13/04 South Wall - Well Cinders and Ash**	**DS-48 10/13/04 East Wall - Trench Misc. Fill**
PCBs (µg/g or ppm)						
Aroclor-1248					5.1	330.0
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (0.059)	ND (0.059)	ND (0.059)	**5.1**	**330.0**
Sample Number Date Sampled Sample Location Sample Description	**Part 375 Soil Cleanup Objective ***	**DS-49 10/13/04 Floor - Trench RBSC**	**DS-50 10/20/04 South Wall - 0 + 80 RBSC**	**DS-51 10/20/04 Floor - 0 + 80 RBSC**	**DS-52 10/20/04 North Wall - 0 + 80 RBSC**	**DS-53 10/20/04 South Wall - 1 + 10 RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248		850.0				
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	**850.0**	ND (1.0)	ND (1.0)	ND (1.1)	ND (1.1)

Table 3-14 (continued).
Analytical Results of Confirmatory Samples Collected from the Final Excavation of the Roadway Ditch at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location Sample Description	Part 375 Soil Cleanup Objective *	DS-54 10/20/04 Floor - 1 + 10 RBSC	DS-55 10/21/04 South Wall - 1 + 30 RBSC	DS-56 10/27/04 Floor - Trench RBSC	DS-57 10/27/04 West Wall - Trench RBSC	DS-58 10/27/04 South Wall - Trench RBSC
PCBs (µg/g or ppm)						
Aroclor-1248				3.7		
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (0.059)	ND (1.2)	**3.7**	ND (1.2)	ND (1.1)
Sample Number Date Sampled Sample Location Sample Description	**Part 375 Soil Cleanup Objective ***	**DS-59 10/27/04 East Wall - Trench RBSC**	**DS-60 02/04/05 North Wall - 0 + 20 RBSC**			
PCBs (µg/g or ppm)						
Aroclor-1248			0.1			
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (1.1)	0.1			

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
RBSC **Reddish brown silty clay.**
ND **Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.**
Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).
Orange hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were further excavated during the OU2 IRM.

Table 3-15.
Analytical Results of Confirmatory Samples Collected from the Berm at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location Sample Description	Part 375 Soil Cleanup Objective *	BS-1 10/26/04 Floor - West RBSC	BS-2 10/26/04 Floor - Center RBSC	BS-3 10/26/04 Floor - East RBSC
PCBs (µg/g or ppm)				
Aroclor-1248		7.6		
Aroclor-1254				
Aroclor-1260				
Total PCBs	1.0	**7.6**	ND (1.1)	ND (1.2)

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**

RBSC **Reddish brown silty clay.**

ND **Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.**
Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).

Table 3-16.
Analytical Results of Confirmatory Samples Collected from SWMU 38 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-1** **09/24/04** **East Wall - North** **Under Locker Room** **RBSC**	**TS-2** **09/24/04** **North Wall - East** **Under Building** **RBSC**	**TS-3** **09/24/04** **West Wall - North** **North of Sump** **Gravel**	**TS-4** **09/24/04** **Floor - North** **East of Sump** **RBSC**	**TS-5** **09/24/04** **East Wall - North** **Under Locker Room** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248			130.0		46.0	2.8
Aroclor-1254						
Total PCBs	1.0	ND (1.2)	**130.0**	ND (1.2)	**46.0**	**2.8**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-6** **10/05/04** **Floor - North** **West of Sump** **RBSC**	**TS-7** **10/05/04** **Floor - North** **Near Stairwell** **RBSC**	**TS-8** **10/05/04** **Floor - Center** **East of Sump** **RBSC**	**TS-9** **10/05/04** **North Wall - East** **Under Building** **RBSC**	**TS-10** **10/05/04** **Floor - North** **Near TS-4** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248		0.097	0.052	0.13	0.12	1.5
Aroclor-1254						
Total PCBs	1.0	0.097	0.052	0.13	0.12	**1.5**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-11** **10/05/04** **West Wall - North** **West of Sump** **RBSC**	**TS-12** **10/05/04** **South Wall - West** **Near Stairwell** **RBSC**	**TS-13** **10/12/04** **Floor - South** **West of Sump** **RBSC**	**TS-14** **10/13/04** **North Wall - South** **West of Sump** **RBSC**	**TS-15** **10/13/04** **West Wall - South** **West of Sump** **Slag & Gravel**
PCBs (µg/g or ppm)						
Aroclor-1248		0.48	1.0	4.3	1.3	1.6
Aroclor-1254						
Total PCBs	1.0	0.48	**1.0**	**4.3**	**1.3**	**1.6**

Table 3-16 (continued).
Analytical Results of Confirmatory Samples Collected from SWMU 38 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-16** **10/20/04** **Under East Wall of Sump** **RBSC**	**TS-17** **10/20/04** **Under South Wall of Sump** **RBSC**	**TS-18** **10/20/04** **West Wall of Deep Pit** **RBSC**	**TS-19** **10/20/04** **South Wall of Deep Pit** **RBSC**	**TS-20** **10/20/04** **Floor - Center East of Sump** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248			0.98	0.57		4.4
Aroclor-1254						
Total PCBs	1.0	ND (1.0)	0.98	0.57	ND (1.1)	**4.4**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-21** **10/21/04** **East Wall Under Concrete Pad** **RBSC**	**TS-22** **10/21/04** **North Wall Near Locker Room** **RBSC**	**TS-23** **10/21/04** **North Wall - East Under Cafeteria** **RBSC**	**TS-26** **10/21/04** **East Wall Pit Near Locker Room** **RBSC**	**TS-27** **10/21/04** **Floor - South East of Sump** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248		0.84				
Aroclor-1254						
Total PCBs	1.0	0.84	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-29** **10/22/04** **South Wall - 1 + 60 Under Gas Pipeline** **RBSC**	**TS-30** **10/22/04** **South Wall - 1 + 50 Inflow Pipe Trench** **RBSC**	**TS-31** **10/22/04** **Floor - South South of Cafeteria** **RBSC**	**TS-32** **10/22/04** **Floor - North South of Cafeteria** **RBSC**	**TS-33** **10/27/04** **West Wall Near Stairwell** **Slag**
PCBs (µg/g or ppm)						
Aroclor-1248						140.0
Aroclor-1254						
Total PCBs	1.0	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	**140.0**

Table 3-16 (continued).
Analytical Results of Confirmatory Samples Collected from SWMU 38 at the Spaulding Composites Site.

*	6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
RBSC	Reddish brown silty clay.
ND	Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.
	Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
	Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).
	Green hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were subsequently sealed in place with concrete.
	Orange hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were further excavated during the OU2 IRM.

Table 4-1.
Summary of Non-Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
393641	11/01/06	Contaminated Soil	25.21	LCA Development	BFI, Niagara Falls, NY
393642	11/01/06	Contaminated Soil	19.37	LCA Development	BFI, Niagara Falls, NY
393643	11/01/06	Contaminated Soil	25.85	LCA Development	BFI, Niagara Falls, NY
393644	11/01/06	Contaminated Soil	25.84	LCA Development	BFI, Niagara Falls, NY
393645	11/01/06	Contaminated Soil	27.44	LCA Development	BFI, Niagara Falls, NY
393646	11/01/06	Contaminated Soil	24.07	LCA Development	BFI, Niagara Falls, NY
393647	11/01/06	Contaminated Soil	29.05	LCA Development	BFI, Niagara Falls, NY
393648	11/01/06	Contaminated Soil	24.95	LCA Development	BFI, Niagara Falls, NY
393649	11/03/06	Contaminated Soil	27.12	LCA Development	BFI, Niagara Falls, NY
393650	11/03/06	Contaminated Soil	23.55	LCA Development	BFI, Niagara Falls, NY
393651	11/03/06	Contaminated Soil	23.11	LCA Development	BFI, Niagara Falls, NY
393652	11/03/06	Contaminated Soil	20.39	LCA Development	BFI, Niagara Falls, NY
393653	11/03/06	Contaminated Soil	19.59	LCA Development	BFI, Niagara Falls, NY
393654	11/03/06	Contaminated Soil	21.88	LCA Development	BFI, Niagara Falls, NY
393655	11/03/06	Contaminated Soil	22.20	LCA Development	BFI, Niagara Falls, NY
393656	11/03/06	Contaminated Soil	20.30	LCA Development	BFI, Niagara Falls, NY
393730	11/03/06	Contaminated Soil	19.46	LCA Development	BFI, Niagara Falls, NY
393731	11/03/06	Contaminated Soil	22.06	LCA Development	BFI, Niagara Falls, NY
393732	11/03/06	Contaminated Soil	21.65	LCA Development	BFI, Niagara Falls, NY
393733	11/03/06	Contaminated Soil	26.15	LCA Development	BFI, Niagara Falls, NY
393734	11/03/06	Contaminated Soil	19.64	LCA Development	BFI, Niagara Falls, NY
393735	11/03/06	Contaminated Soil	21.09	LCA Development	BFI, Niagara Falls, NY
393736	11/03/06	Contaminated Soil	23.52	LCA Development	BFI, Niagara Falls, NY
393737	11/03/06	Contaminated Soil	20.15	LCA Development	BFI, Niagara Falls, NY
393738	11/03/06	Contaminated Soil	25.82	LCA Development	BFI, Niagara Falls, NY
393739	11/03/06	Contaminated Soil	20.43	LCA Development	BFI, Niagara Falls, NY
393740	11/03/06	Contaminated Soil	23.56	LCA Development	BFI, Niagara Falls, NY
393741	11/03/06	Contaminated Soil	22.36	LCA Development	BFI, Niagara Falls, NY
393742	11/03/06	Contaminated Soil	22.32	LCA Development	BFI, Niagara Falls, NY
393743	11/03/06	Contaminated Soil	20.19	LCA Development	BFI, Niagara Falls, NY
393744	11/03/06	Contaminated Soil	21.11	LCA Development	BFI, Niagara Falls, NY
393745	11/03/06	Contaminated Soil	23.04	LCA Development	BFI, Niagara Falls, NY
393746	11/03/06	Contaminated Soil	23.27	LCA Development	BFI, Niagara Falls, NY
393747	11/03/06	Contaminated Soil	20.54	LCA Development	BFI, Niagara Falls, NY
393748	11/03/06	Contaminated Soil	21.01	LCA Development	BFI, Niagara Falls, NY
393749	11/03/06	Contaminated Soil	21.14	LCA Development	BFI, Niagara Falls, NY
393750	11/03/06	Contaminated Soil	23.66	LCA Development	BFI, Niagara Falls, NY
393751	11/03/06	Contaminated Soil	23.98	LCA Development	BFI, Niagara Falls, NY
393752	11/03/06	Contaminated Soil	21.71	LCA Development	BFI, Niagara Falls, NY
393753	11/03/06	Contaminated Soil	21.42	LCA Development	BFI, Niagara Falls, NY
393754	11/03/06	Contaminated Soil	22.17	LCA Development	BFI, Niagara Falls, NY
393755	11/03/06	Contaminated Soil	25.06	LCA Development	BFI, Niagara Falls, NY
393756	11/03/06	Contaminated Soil	24.29	LCA Development	BFI, Niagara Falls, NY
397757	11/03/06	Contaminated Soil	15.82	LCA Development	BFI, Niagara Falls, NY

Table 4-1 (continued).
Summary of Non-Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
393682	11/06/06	Contaminated Soil	23.66	LCA Development	BFI, Niagara Falls, NY
393683	11/06/06	Contaminated Soil	24.28	LCA Development	BFI, Niagara Falls, NY
393684	11/06/06	Contaminated Soil	23.49	LCA Development	BFI, Niagara Falls, NY
393685	11/06/06	Contaminated Soil	21.93	LCA Development	BFI, Niagara Falls, NY
393686	11/06/06	Contaminated Soil	20.79	LCA Development	BFI, Niagara Falls, NY
393687	11/06/06	Contaminated Soil	20.27	LCA Development	BFI, Niagara Falls, NY
393688	11/06/06	Contaminated Soil	18.86	LCA Development	BFI, Niagara Falls, NY
393689	11/06/06	Contaminated Soil	21.62	LCA Development	BFI, Niagara Falls, NY
393690	11/06/06	Contaminated Soil	23.51	LCA Development	BFI, Niagara Falls, NY
393691	11/06/06	Contaminated Soil	21.75	LCA Development	BFI, Niagara Falls, NY
393692	11/06/06	Contaminated Soil	20.42	LCA Development	BFI, Niagara Falls, NY
393693	11/06/06	Contaminated Soil	22.11	LCA Development	BFI, Niagara Falls, NY
393694	11/06/06	Contaminated Soil	25.51	LCA Development	BFI, Niagara Falls, NY
393695	11/06/06	Contaminated Soil	22.50	LCA Development	BFI, Niagara Falls, NY
393696	11/06/06	Contaminated Soil	20.59	LCA Development	BFI, Niagara Falls, NY
393697	11/06/06	Contaminated Soil	21.30	LCA Development	BFI, Niagara Falls, NY
393698	11/06/06	Contaminated Soil	23.51	LCA Development	BFI, Niagara Falls, NY
393699	11/06/06	Contaminated Soil	22.20	LCA Development	BFI, Niagara Falls, NY
393700	11/06/06	Contaminated Soil	23.53	LCA Development	BFI, Niagara Falls, NY
393701	11/06/06	Contaminated Soil	25.70	LCA Development	BFI, Niagara Falls, NY
393702	11/06/06	Contaminated Soil	23.74	LCA Development	BFI, Niagara Falls, NY
393703	11/06/06	Contaminated Soil	22.40	LCA Development	BFI, Niagara Falls, NY
393704	11/06/06	Contaminated Soil	30.03	LCA Development	BFI, Niagara Falls, NY
393705	11/06/06	Contaminated Soil	25.86	LCA Development	BFI, Niagara Falls, NY
393706	11/06/06	Contaminated Soil	23.39	LCA Development	BFI, Niagara Falls, NY
393707	11/06/06	Contaminated Soil	26.09	LCA Development	BFI, Niagara Falls, NY
393708	11/06/06	Contaminated Soil	22.64	LCA Development	BFI, Niagara Falls, NY
393709	11/06/06	Contaminated Soil	25.42	LCA Development	BFI, Niagara Falls, NY
393710	11/06/06	Contaminated Soil	22.05	LCA Development	BFI, Niagara Falls, NY
393711	11/06/06	Contaminated Soil	19.16	LCA Development	BFI, Niagara Falls, NY
393712	11/06/06	Contaminated Soil	20.25	LCA Development	BFI, Niagara Falls, NY
393713	11/06/06	Contaminated Soil	22.76	LCA Development	BFI, Niagara Falls, NY
393714	11/06/06	Contaminated Soil	22.87	LCA Development	BFI, Niagara Falls, NY
393715	11/06/06	Contaminated Soil	22.39	LCA Development	BFI, Niagara Falls, NY
393716	11/06/06	Contaminated Soil	20.59	LCA Development	BFI, Niagara Falls, NY
393717	11/06/06	Contaminated Soil	23.68	LCA Development	BFI, Niagara Falls, NY
393718	11/06/06	Contaminated Soil	23.58	LCA Development	BFI, Niagara Falls, NY
393719	11/06/06	Contaminated Soil	28.26	LCA Development	BFI, Niagara Falls, NY
393720	11/06/06	Contaminated Soil	20.94	LCA Development	BFI, Niagara Falls, NY
393721	11/06/06	Contaminated Soil	23.00	LCA Development	BFI, Niagara Falls, NY
393722	11/06/06	Contaminated Soil	25.72	LCA Development	BFI, Niagara Falls, NY
393723	11/06/06	Contaminated Soil	21.76	LCA Development	BFI, Niagara Falls, NY
393724	11/06/06	Contaminated Soil	19.48	LCA Development	BFI, Niagara Falls, NY
393725	11/07/06	Contaminated Soil	21.34	LCA Development	BFI, Niagara Falls, NY

Table 4-1 (continued).
Summary of Non-Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
393726	11/07/06	Contaminated Soil	22.85	LCA Development	BFI, Niagara Falls, NY
393727	11/07/06	Contaminated Soil	21.81	LCA Development	BFI, Niagara Falls, NY
393728	11/07/06	Contaminated Soil	23.94	LCA Development	BFI, Niagara Falls, NY
393729	11/07/06	Contaminated Soil	20.59	LCA Development	BFI, Niagara Falls, NY
432530	11/07/06	Contaminated Soil	22.04	LCA Development	BFI, Niagara Falls, NY
432531	11/07/06	Contaminated Soil	22.62	LCA Development	BFI, Niagara Falls, NY
432532	11/07/06	Contaminated Soil	22.65	LCA Development	BFI, Niagara Falls, NY
432533	11/07/06	Contaminated Soil	20.65	LCA Development	BFI, Niagara Falls, NY
432534	11/07/06	Contaminated Soil	22.77	LCA Development	BFI, Niagara Falls, NY
432535	11/07/06	Contaminated Soil	22.54	LCA Development	BFI, Niagara Falls, NY
432536	11/07/06	Contaminated Soil	22.20	LCA Development	BFI, Niagara Falls, NY
432537	11/07/06	Contaminated Soil	25.37	LCA Development	BFI, Niagara Falls, NY
432538	11/07/06	Contaminated Soil	18.83	LCA Development	BFI, Niagara Falls, NY
432539	11/07/06	Contaminated Soil	23.85	LCA Development	BFI, Niagara Falls, NY
432540	11/07/06	Contaminated Soil	24.16	LCA Development	BFI, Niagara Falls, NY
432541	11/07/06	Contaminated Soil	22.42	LCA Development	BFI, Niagara Falls, NY
432542	11/07/06	Contaminated Soil	21.09	LCA Development	BFI, Niagara Falls, NY
432543	11/07/06	Contaminated Soil	20.73	LCA Development	BFI, Niagara Falls, NY
432544	11/07/06	Contaminated Soil	21.52	LCA Development	BFI, Niagara Falls, NY
432545	11/07/06	Contaminated Soil	21.14	LCA Development	BFI, Niagara Falls, NY
432546	11/07/06	Contaminated Soil	25.38	LCA Development	BFI, Niagara Falls, NY
432547	11/07/06	Contaminated Soil	26.10	LCA Development	BFI, Niagara Falls, NY
432548	11/07/06	Contaminated Soil	23.86	LCA Development	BFI, Niagara Falls, NY
432549	11/07/06	Contaminated Soil	20.98	LCA Development	BFI, Niagara Falls, NY
432550	11/07/06	Contaminated Soil	23.80	LCA Development	BFI, Niagara Falls, NY
432551	11/08/06	Contaminated Soil	23.85	LCA Development	BFI, Niagara Falls, NY
432552	11/08/06	Contaminated Soil	21.23	LCA Development	BFI, Niagara Falls, NY
432553	11/08/06	Contaminated Soil	23.30	LCA Development	BFI, Niagara Falls, NY
432554	11/08/06	Contaminated Soil	23.18	LCA Development	BFI, Niagara Falls, NY
432555	11/08/06	Contaminated Soil	24.70	LCA Development	BFI, Niagara Falls, NY
432556	11/08/06	Contaminated Soil	17.30	LCA Development	BFI, Niagara Falls, NY
432557	11/08/06	Contaminated Soil	23.87	LCA Development	BFI, Niagara Falls, NY
432558	11/08/06	Contaminated Soil	22.46	LCA Development	BFI, Niagara Falls, NY
432559	11/08/06	Contaminated Soil	24.03	LCA Development	BFI, Niagara Falls, NY
432560	11/08/06	Contaminated Soil	23.86	LCA Development	BFI, Niagara Falls, NY
432561	11/08/06	Contaminated Soil	23.14	LCA Development	BFI, Niagara Falls, NY
432562	11/08/06	Contaminated Soil	21.21	LCA Development	BFI, Niagara Falls, NY
432563	11/08/06	Contaminated Soil	19.21	LCA Development	BFI, Niagara Falls, NY
432564	11/08/06	Contaminated Soil	16.80	LCA Development	BFI, Niagara Falls, NY
432565	11/08/06	Contaminated Soil	25.25	LCA Development	BFI, Niagara Falls, NY
432566	11/08/06	Contaminated Soil	21.29	LCA Development	BFI, Niagara Falls, NY
432567	11/08/06	Contaminated Soil	25.64	LCA Development	BFI, Niagara Falls, NY
432568	11/08/06	Contaminated Soil	21.06	LCA Development	BFI, Niagara Falls, NY
432569	11/08/06	Contaminated Soil	18.88	LCA Development	BFI, Niagara Falls, NY

Table 4-1 (continued).
Summary of Non-Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
432570	11/08/06	Contaminated Soil	22.50	LCA Development	BFI, Niagara Falls, NY
432571	11/08/06	Contaminated Soil	20.43	LCA Development	BFI, Niagara Falls, NY
432572	11/08/06	Contaminated Soil	23.53	LCA Development	BFI, Niagara Falls, NY
432573	11/08/06	Contaminated Soil	23.56	LCA Development	BFI, Niagara Falls, NY
432574	11/08/06	Contaminated Soil	21.61	LCA Development	BFI, Niagara Falls, NY
432575	11/08/06	Contaminated Soil	19.66	LCA Development	BFI, Niagara Falls, NY
432576	11/08/06	Contaminated Soil	20.89	LCA Development	BFI, Niagara Falls, NY
432577	11/08/06	Contaminated Soil	19.68	LCA Development	BFI, Niagara Falls, NY
432578	11/08/06	Contaminated Soil	20.23	LCA Development	BFI, Niagara Falls, NY
432579	11/08/06	Contaminated Soil	22.67	LCA Development	BFI, Niagara Falls, NY
432584	11/08/06	Contaminated Soil	21.58	LCA Development	BFI, Niagara Falls, NY
432601	11/09/06	Contaminated Soil	22.25	LCA Development	BFI, Niagara Falls, NY
432602	11/09/06	Contaminated Soil	20.29	LCA Development	BFI, Niagara Falls, NY
432603	11/09/06	Contaminated Soil	21.80	LCA Development	BFI, Niagara Falls, NY
432604	11/09/06	Contaminated Soil	21.51	LCA Development	BFI, Niagara Falls, NY
432605	11/09/06	Contaminated Soil	24.23	LCA Development	BFI, Niagara Falls, NY
432606	11/09/06	Contaminated Soil	24.27	LCA Development	BFI, Niagara Falls, NY
432607	11/09/06	Contaminated Soil	18.17	LCA Development	BFI, Niagara Falls, NY
432608	11/09/06	Contaminated Soil	16.99	LCA Development	BFI, Niagara Falls, NY
432609	11/09/06	Contaminated Soil	21.67	LCA Development	BFI, Niagara Falls, NY
432610	11/09/06	Contaminated Soil	21.94	LCA Development	BFI, Niagara Falls, NY
432611	11/09/06	Contaminated Soil	27.31	LCA Development	BFI, Niagara Falls, NY
432612	11/09/06	Contaminated Soil	27.83	LCA Development	BFI, Niagara Falls, NY
432613	11/09/06	Contaminated Soil	25.38	LCA Development	BFI, Niagara Falls, NY
432614	11/09/06	Contaminated Soil	26.31	LCA Development	BFI, Niagara Falls, NY
432615	11/09/06	Contaminated Soil	26.56	LCA Development	BFI, Niagara Falls, NY
432616	11/09/06	Contaminated Soil	23.93	LCA Development	BFI, Niagara Falls, NY
432617	11/09/06	Contaminated Soil	26.59	LCA Development	BFI, Niagara Falls, NY
432618	11/09/06	Contaminated Soil	28.63	LCA Development	BFI, Niagara Falls, NY
432619	11/09/06	Contaminated Soil	21.04	LCA Development	BFI, Niagara Falls, NY
432620	11/09/06	Contaminated Soil	25.47	LCA Development	BFI, Niagara Falls, NY
432621	11/09/06	Contaminated Soil	23.14	LCA Development	BFI, Niagara Falls, NY
432622	11/09/06	Contaminated Soil	21.47	LCA Development	BFI, Niagara Falls, NY
432623	11/09/06	Contaminated Soil	21.43	LCA Development	BFI, Niagara Falls, NY
432624	11/09/06	Contaminated Soil	26.51	LCA Development	BFI, Niagara Falls, NY
432625	11/09/06	Contaminated Soil	18.59	LCA Development	BFI, Niagara Falls, NY
432626	11/09/06	Contaminated Soil	26.42	LCA Development	BFI, Niagara Falls, NY
432627	11/09/06	Contaminated Soil	23.95	LCA Development	BFI, Niagara Falls, NY
432628	11/09/06	Contaminated Soil	24.47	LCA Development	BFI, Niagara Falls, NY
432646	11/09/06	Contaminated Soil	23.90	LCA Development	BFI, Niagara Falls, NY
432647	11/09/06	Contaminated Soil	22.57	LCA Development	BFI, Niagara Falls, NY
432648	11/09/06	Contaminated Soil	24.90	LCA Development	BFI, Niagara Falls, NY
432649	11/09/06	Contaminated Soil	22.34	LCA Development	BFI, Niagara Falls, NY
432650	11/09/06	Contaminated Soil	24.08	LCA Development	BFI, Niagara Falls, NY

Table 4-1 (continued).
Summary of Non-Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
432630	11/10/06	Contaminated Soil	14.05	LCA Development	BFI, Niagara Falls, NY
432631	11/10/06	Contaminated Soil	21.13	LCA Development	BFI, Niagara Falls, NY
432632	11/10/06	Contaminated Soil	22.40	LCA Development	BFI, Niagara Falls, NY
432633	11/10/06	Contaminated Soil	26.55	LCA Development	BFI, Niagara Falls, NY
432634	11/10/06	Contaminated Soil	23.66	LCA Development	BFI, Niagara Falls, NY
432635	11/10/06	Contaminated Soil	21.76	LCA Development	BFI, Niagara Falls, NY
432636	11/10/06	Contaminated Soil	18.64	LCA Development	BFI, Niagara Falls, NY
432637	11/10/06	Contaminated Soil	28.16	LCA Development	BFI, Niagara Falls, NY
435431	02/05/07	Contaminated Soil	19.51	Pariso Trucking	BFI, Niagara Falls, NY
435432	02/05/07	Contaminated Soil	20.38	Pariso Trucking	BFI, Niagara Falls, NY
435433	02/05/07	Contaminated Soil	22.23	Pariso Trucking	BFI, Niagara Falls, NY
435434	02/05/07	Contaminated Soil	23.13	Pariso Trucking	BFI, Niagara Falls, NY
435435	02/05/07	Contaminated Soil	21.61	Pariso Trucking	BFI, Niagara Falls, NY
435436	02/05/07	Contaminated Soil	20.36	Pariso Trucking	BFI, Niagara Falls, NY
435437	02/05/07	Contaminated Soil	22.67	Pariso Trucking	BFI, Niagara Falls, NY
435438	02/05/07	Contaminated Soil	23.20	Pariso Trucking	BFI, Niagara Falls, NY
435439	02/05/07	Contaminated Soil	19.25	Pariso Trucking	BFI, Niagara Falls, NY
435440	02/05/07	Contaminated Soil	18.35	Pariso Trucking	BFI, Niagara Falls, NY
435441	02/05/07	Contaminated Soil	18.88	Pariso Trucking	BFI, Niagara Falls, NY
435442	02/05/07	Contaminated Soil	23.05	Pariso Trucking	BFI, Niagara Falls, NY
435443	02/05/07	Contaminated Soil	22.51	Pariso Trucking	BFI, Niagara Falls, NY
435444	02/05/07	Contaminated Soil	23.52	Pariso Trucking	BFI, Niagara Falls, NY
435445	02/05/07	Contaminated Soil	19.82	Pariso Trucking	BFI, Niagara Falls, NY
435446	02/05/07	Contaminated Soil	21.02	Pariso Trucking	BFI, Niagara Falls, NY
435447	02/05/07	Contaminated Soil	20.78	Pariso Trucking	BFI, Niagara Falls, NY
435448	02/05/07	Contaminated Soil	19.07	Pariso Trucking	BFI, Niagara Falls, NY
435449	02/05/07	Contaminated Soil	23.69	Pariso Trucking	BFI, Niagara Falls, NY
435450	02/05/07	Contaminated Soil	22.20	Pariso Trucking	BFI, Niagara Falls, NY
435451	02/05/07	Contaminated Soil	23.13	Pariso Trucking	BFI, Niagara Falls, NY
435452	02/05/07	Contaminated Soil	20.40	Pariso Trucking	BFI, Niagara Falls, NY
435453	02/05/07	Contaminated Soil	21.79	Pariso Trucking	BFI, Niagara Falls, NY
435454	02/05/07	Contaminated Soil	22.11	Pariso Trucking	BFI, Niagara Falls, NY
435455	02/05/07	Contaminated Soil	20.47	Pariso Trucking	BFI, Niagara Falls, NY
435456	02/05/07	Contaminated Soil	23.54	Pariso Trucking	BFI, Niagara Falls, NY
435457	02/05/07	Contaminated Soil	23.89	Pariso Trucking	BFI, Niagara Falls, NY
435458	02/06/07	Contaminated Soil	17.08	Pariso Trucking	BFI, Niagara Falls, NY
435459	02/06/07	Contaminated Soil	18.46	Pariso Trucking	BFI, Niagara Falls, NY
435460	02/06/07	Contaminated Soil	19.61	Pariso Trucking	BFI, Niagara Falls, NY
435461	02/06/07	Contaminated Soil	19.67	Pariso Trucking	BFI, Niagara Falls, NY
435462	02/06/07	Contaminated Soil	16.73	Pariso Trucking	BFI, Niagara Falls, NY
435463	02/06/07	Contaminated Soil	20.66	Pariso Trucking	BFI, Niagara Falls, NY
435464	02/06/07	Contaminated Soil	19.26	Pariso Trucking	BFI, Niagara Falls, NY
435465	02/06/07	Contaminated Soil	20.37	Pariso Trucking	BFI, Niagara Falls, NY
435466	02/06/07	Contaminated Soil	23.49	Pariso Trucking	BFI, Niagara Falls, NY

Table 4-1 (continued).
Summary of Non-Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
435467	02/06/07	Contaminated Soil	22.51	Pariso Trucking	BFI, Niagara Falls, NY
435468	02/06/07	Contaminated Soil	21.72	Pariso Trucking	BFI, Niagara Falls, NY
435469	02/06/07	Contaminated Soil	23.42	Pariso Trucking	BFI, Niagara Falls, NY
435470	02/06/07	Contaminated Soil	23.45	Pariso Trucking	BFI, Niagara Falls, NY
435471	02/06/07	Contaminated Soil	23.70	Pariso Trucking	BFI, Niagara Falls, NY
435472	02/06/07	Contaminated Soil	22.04	Pariso Trucking	BFI, Niagara Falls, NY
435473	02/06/07	Contaminated Soil	23.62	Pariso Trucking	BFI, Niagara Falls, NY
435474	02/06/07	Contaminated Soil	21.49	Pariso Trucking	BFI, Niagara Falls, NY
435475	02/06/07	Contaminated Soil	22.44	Pariso Trucking	BFI, Niagara Falls, NY
435476	02/06/07	Contaminated Soil	23.28	Pariso Trucking	BFI, Niagara Falls, NY
435477	02/06/07	Contaminated Soil	21.92	Pariso Trucking	BFI, Niagara Falls, NY
435478	02/06/07	Contaminated Soil	22.83	Pariso Trucking	BFI, Niagara Falls, NY
435479	02/06/07	Contaminated Soil	25.68	Pariso Trucking	BFI, Niagara Falls, NY
435480	02/06/07	Contaminated Soil	22.10	Pariso Trucking	BFI, Niagara Falls, NY
435481	02/06/07	Contaminated Soil	22.88	Pariso Trucking	BFI, Niagara Falls, NY
435482	02/06/07	Contaminated Soil	23.55	Pariso Trucking	BFI, Niagara Falls, NY
435483	02/06/07	Contaminated Soil	23.26	Pariso Trucking	BFI, Niagara Falls, NY
435484	02/06/07	Contaminated Soil	24.30	Pariso Trucking	BFI, Niagara Falls, NY
435485	02/06/07	Contaminated Soil	25.82	Pariso Trucking	BFI, Niagara Falls, NY
435486	02/06/07	Contaminated Soil	21.25	Pariso Trucking	BFI, Niagara Falls, NY
435487	02/06/07	Contaminated Soil	22.88	Pariso Trucking	BFI, Niagara Falls, NY
432001	02/08/07	Contaminated Soil	19.68	Pariso Trucking	BFI, Niagara Falls, NY
432002	02/08/07	Contaminated Soil	15.16	Pariso Trucking	BFI, Niagara Falls, NY
432003	02/08/07	Contaminated Soil	22.12	Pariso Trucking	BFI, Niagara Falls, NY
432004	02/08/07	Contaminated Soil	21.56	Pariso Trucking	BFI, Niagara Falls, NY
432005	02/08/07	Contaminated Soil	21.57	Pariso Trucking	BFI, Niagara Falls, NY
432006	02/08/07	Contaminated Soil	24.34	Pariso Trucking	BFI, Niagara Falls, NY
432007	02/08/07	Contaminated Soil	24.04	Pariso Trucking	BFI, Niagara Falls, NY
432008	02/08/07	Contaminated Soil	20.47	Pariso Trucking	BFI, Niagara Falls, NY
432009	02/08/07	Contaminated Soil	23.08	Pariso Trucking	BFI, Niagara Falls, NY
432010	02/08/07	Contaminated Soil	20.82	Pariso Trucking	BFI, Niagara Falls, NY
432011	02/08/07	Contaminated Soil	24.98	Pariso Trucking	BFI, Niagara Falls, NY
432012	02/08/07	Contaminated Soil	22.03	Pariso Trucking	BFI, Niagara Falls, NY
432013	02/08/07	Contaminated Soil	21.58	Pariso Trucking	BFI, Niagara Falls, NY
432014	02/08/07	Contaminated Soil	21.18	Pariso Trucking	BFI, Niagara Falls, NY
432015	02/08/07	Contaminated Soil	21.61	Pariso Trucking	BFI, Niagara Falls, NY
432016	02/08/07	Contaminated Soil	22.33	Pariso Trucking	BFI, Niagara Falls, NY
432017	02/08/07	Contaminated Soil	23.47	Pariso Trucking	BFI, Niagara Falls, NY
432018	02/08/07	Contaminated Soil	22.36	Pariso Trucking	BFI, Niagara Falls, NY
432019	02/08/07	Contaminated Soil	22.31	Pariso Trucking	BFI, Niagara Falls, NY
432020	02/08/07	Contaminated Soil	20.36	Pariso Trucking	BFI, Niagara Falls, NY
432021	02/08/07	Contaminated Soil	23.53	Pariso Trucking	BFI, Niagara Falls, NY
432022	02/08/07	Contaminated Soil	22.36	Pariso Trucking	BFI, Niagara Falls, NY
432023	02/08/07	Contaminated Soil	27.92	Pariso Trucking	BFI, Niagara Falls, NY

Table 4-1 (continued).
Summary of Non-Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2 of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
432024	02/08/07	Contaminated Soil	23.18	Pariso Trucking	BFI, Niagara Falls, NY
432025	02/08/07	Contaminated Soil	22.65	Pariso Trucking	BFI, Niagara Falls, NY
432026	02/08/07	Contaminated Soil	21.26	Pariso Trucking	BFI, Niagara Falls, NY
432027	02/08/07	Contaminated Soil	24.43	Pariso Trucking	BFI, Niagara Falls, NY
432028	02/08/07	Contaminated Soil	24.46	Pariso Trucking	BFI, Niagara Falls, NY
432029	02/08/07	Contaminated Soil	27.27	Pariso Trucking	BFI, Niagara Falls, NY
432030	02/09/07	Contaminated Soil	22.72	Pariso Trucking	BFI, Niagara Falls, NY
432031	02/09/07	Contaminated Soil	24.96	Pariso Trucking	BFI, Niagara Falls, NY
432032	02/09/07	Contaminated Soil	21.05	Pariso Trucking	BFI, Niagara Falls, NY
432033	02/09/07	Contaminated Soil	25.43	Pariso Trucking	BFI, Niagara Falls, NY
432034	02/09/07	Contaminated Soil	25.31	Pariso Trucking	BFI, Niagara Falls, NY
432035	02/09/07	Contaminated Soil	24.89	Pariso Trucking	BFI, Niagara Falls, NY
432036	02/09/07	Contaminated Soil	21.98	Pariso Trucking	BFI, Niagara Falls, NY
432037	02/09/07	Contaminated Soil	23.83	Pariso Trucking	BFI, Niagara Falls, NY
432038	02/09/07	Contaminated Soil	22.01	Pariso Trucking	BFI, Niagara Falls, NY
432103	02/09/07	Contaminated Soil	23.48	Pariso Trucking	BFI, Niagara Falls, NY
432104	02/09/07	Contaminated Soil	19.99	Pariso Trucking	BFI, Niagara Falls, NY
432105	02/09/07	Contaminated Soil	21.23	Pariso Trucking	BFI, Niagara Falls, NY
432106	02/09/07	Contaminated Soil	24.26	Pariso Trucking	BFI, Niagara Falls, NY
432107	02/09/07	Contaminated Soil	25.65	Pariso Trucking	BFI, Niagara Falls, NY
432108	02/09/07	Contaminated Soil	24.56	Pariso Trucking	BFI, Niagara Falls, NY
432109	02/09/07	Contaminated Soil	22.29	Pariso Trucking	BFI, Niagara Falls, NY
432110	02/09/07	Contaminated Soil	22.48	Pariso Trucking	BFI, Niagara Falls, NY
432111	02/09/07	Contaminated Soil	18.52	Pariso Trucking	BFI, Niagara Falls, NY
432112	02/09/07	Contaminated Soil	22.72	Pariso Trucking	BFI, Niagara Falls, NY
432113	02/09/07	Contaminated Soil	21.17	Pariso Trucking	BFI, Niagara Falls, NY
432114	02/09/07	Contaminated Soil	21.87	Pariso Trucking	BFI, Niagara Falls, NY
432115	02/09/07	Contaminated Soil	19.86	Pariso Trucking	BFI, Niagara Falls, NY
432116	02/09/07	Contaminated Soil	17.90	Pariso Trucking	BFI, Niagara Falls, NY
432117	02/09/07	Contaminated Soil	22.00	Pariso Trucking	BFI, Niagara Falls, NY
432118	02/09/07	Contaminated Soil	26.72	Pariso Trucking	BFI, Niagara Falls, NY
432119	02/09/07	Contaminated Soil	22.74	Pariso Trucking	BFI, Niagara Falls, NY
432120	02/09/07	Contaminated Soil	20.19	Pariso Trucking	BFI, Niagara Falls, NY
432121	02/09/07	Contaminated Soil	18.51	Pariso Trucking	BFI, Niagara Falls, NY
432122	02/09/07	Contaminated Soil	16.40	Pariso Trucking	BFI, Niagara Falls, NY
432123	02/09/07	Contaminated Soil	16.31	Pariso Trucking	BFI, Niagara Falls, NY
432124	02/09/07	Contaminated Soil	20.05	Pariso Trucking	BFI, Niagara Falls, NY
432125	02/09/07	Contaminated Soil	17.94	Pariso Trucking	BFI, Niagara Falls, NY
			6,765	**Total Tonnage**	

Table 4-2.
Summary of Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1534914	02/13/06	Contaminated Soil	30.91	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534905	02/13/06	Contaminated Soil	25.40	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534896	02/13/06	Contaminated Soil	27.02	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534887	02/13/06	Contaminated Soil	31.21	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534878	02/13/06	Contaminated Soil	23.02	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534869	02/13/06	Contaminated Soil	28.97	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534851	02/13/06	Contaminated Soil	28.99	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534842	02/13/06	Contaminated Soil	29.44	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534959	02/13/06	Contaminated Soil	30.72	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534941	02/13/06	Contaminated Soil	32.76	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534932	02/13/06	Contaminated Soil	30.02	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534923	02/13/06	Contaminated Soil	30.09	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534968	02/14/06	Contaminated Soil	28.61	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534977	02/14/06	Contaminated Soil	32.25	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534986	02/14/06	Contaminated Soil	33.06	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1534995	02/14/06	Contaminated Soil	30.18	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535004	02/14/06	Contaminated Soil	32.35	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535013	02/14/06	Contaminated Soil	30.62	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535022	02/14/06	Contaminated Soil	33.01	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535031	02/14/06	Contaminated Soil	31.43	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535067	02/14/06	Contaminated Soil	34.68	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535076	02/14/06	Contaminated Soil	36.74	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535058	02/14/06	Contaminated Soil	32.98	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535085	02/14/06	Contaminated Soil	31.24	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535049	02/14/06	Contaminated Soil	33.36	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535094	02/15/06	Contaminated Soil	35.82	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535103	02/15/06	Contaminated Soil	31.90	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535112	02/15/06	Contaminated Soil	29.88	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535121	02/15/06	Contaminated Soil	31.17	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535139	02/15/06	Contaminated Soil	26.86	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535148	02/15/06	Contaminated Soil	29.32	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535157	02/15/06	Contaminated Soil	29.55	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535166	02/15/06	Contaminated Soil	32.56	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535175	02/15/06	Contaminated Soil	26.16	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535184	02/15/06	Contaminated Soil	32.86	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535193	02/15/06	Contaminated Soil	27.72	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535202	02/15/06	Contaminated Soil	21.99	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535211	02/16/06	Contaminated Soil	28.25	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535229	02/16/06	Contaminated Soil	29.55	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535337	02/16/06	Contaminated Soil	30.06	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535319	02/16/06	Contaminated Soil	28.66	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535328	02/16/06	Contaminated Soil	28.87	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535238	02/16/06	Contaminated Soil	30.73	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535247	02/16/06	Contaminated Soil	30.96	Buffalo Fuel Corp.	CWM, Model City, NY

Table 4-2 (continued)
Summary of Hazardous Waste Disposal for the Phase 2 IRM at Operable Unit 2
of the Spaulding Composites Site.

Manifest Document Number	Date	Waste Type	Weight (tons)	Transporter	Disposal Location
NYH1535256	02/16/06	Contaminated Soil	26.45	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535265	02/16/06	Contaminated Soil	26.10	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535274	02/16/06	Contaminated Soil	27.31	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535283	02/16/06	Contaminated Soil	25.37	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535292	02/16/06	Contaminated Soil	29.32	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1535301	02/16/06	Contaminated Soil	34.44	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543374	02/16/06	Contaminated Soil	31.16	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543383	02/16/06	Contaminated Soil	35.00	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543392	02/16/06	Contaminated Soil	31.57	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543428	02/17/06	Contaminated Soil	25.69	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543437	02/17/06	Contaminated Soil	32.61	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543446	02/17/06	Contaminated Soil	27.10	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543455	02/17/06	Contaminated Soil	27.23	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543464	02/17/06	Contaminated Soil	31.28	Buffalo Fuel Corp.	CWM, Model City, NY
NYH1543482	02/17/06	Contaminated Soil	27.61	Buffalo Fuel Corp.	CWM, Model City, NY
000879459JJK	09/25/06	Contaminated Soil	23.59	Buffalo Fuel Corp.	CWM, Model City, NY
000879460JJK	09/25/06	Contaminated Soil	31.35	Buffalo Fuel Corp.	CWM, Model City, NY
000879461JJK	09/25/06	Contaminated Soil	27.08	Buffalo Fuel Corp.	CWM, Model City, NY
000879462JJK	09/25/06	Contaminated Soil	32.07	Buffalo Fuel Corp.	CWM, Model City, NY
000879463JJK	09/25/06	Contaminated Soil	34.17	Buffalo Fuel Corp.	CWM, Model City, NY
000879464JJK	09/25/06	Contaminated Soil	28.64	Buffalo Fuel Corp.	CWM, Model City, NY
000879465JJK	09/26/06	Contaminated Soil	25.27	Buffalo Fuel Corp.	CWM, Model City, NY
000879466JJK	09/26/06	Contaminated Soil	34.63	Buffalo Fuel Corp.	CWM, Model City, NY
000879467JJK	09/26/06	Contaminated Soil	31.15	Buffalo Fuel Corp.	CWM, Model City, NY
000879468JJK	09/26/06	Contaminated Soil	34.24	Buffalo Fuel Corp.	CWM, Model City, NY
			2,072	**Total Tonnage**	

Table 5-1.
Analytical Results of Confirmatory Samples Collected from AOC 48 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**48-1C** **10/05/05** **Court Yard - South of Concrete Pad** **RBSC**	**48-2C** **10/05/05** **Court Yard - South of Concrete Pad** **RBSC**	**48-3C** **10/05/05** **Court Yard - North of Concrete Pad** **RBSC**	**48-4C** **10/05/05** **Court Yard - East of Concrete Pad** **Slag**	**48-4C2** **10/12/05** **Court Yard - Near 48-4C Location** **Slag**
PCBs (µg/g or ppm)						
Aroclor-1248						
Aroclor-1260		0.73			17.0	0.27
Total PCBs	1.0	0.73	ND (0.019)	ND (0.030)	**17.0**	0.27
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**48-5C** **10/12/05** **Court Yard - West of Concrete Pad** **Slag**	**48-6C** **10/27/05** **Court Yard - Southwest End** **RBSC**	**48-7C** **10/27/05** **Court Yard - Southwest End** **RBSC**	**48-8C** **10/27/05** **Court Yard - Northwest End** **RBSC**	**48-9C** **10/27/05** **Court Yard - Northwest End** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248						
Aroclor-1260		0.27				
Total PCBs	1.0	0.27	ND (0.110)	ND (0.110)	ND (0.094)	ND (0.097)
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**48-10C** **10/27/05** **Court Yard - NW of Switch House** **RBSC**	**48-11C** **10/27/05** **Court Yard - NE of Switch House** **RBSC**	**48-12C** **10/27/05** **Court Yard - Southeast End** **RBSC**	**48-13C** **10/27/05** **Court Yard - Southeast End** **RBSC**	**48-14C** **10/27/05** **Court Yard - Southeast End** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248			0.087 J			
Aroclor-1260			0.32		0.94	
Total PCBs	1.0	ND (0.100)	0.407 J	ND (0.100)	0.94	ND (0.100)

Table 5-1 (continued).
Analytical Results of Confirmatory Samples Collected from AOC 48 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**48-15C** **11/17/05** **Alley - South End** **Sand**	**48-16C** **11/17/05** **Alley - Center** **RBSC**	**48-17C** **11/17/05** **Alley - North End** **RBSC**	**48-18C** **04/18/06** **Outside Alley - Near Concrete Pad** **Slag**	**48-19C** **04/18/06** **Outside Alley - Near Concrete Pad** **Slag**
PCBs (µg/g or ppm)						
Aroclor-1248					0.78	
Aroclor-1260		0.32	7.3		2.1	14.0
Total PCBs	1.0	0.32	**7.3**	ND (0.096)	**2.88**	**14.0**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**48-20C** **04/18/06** **Outside Alley - Near SWMU 36 (North)** **Slag**	**48-21C** **04/18/06** **Outside Alley - Center Near Road** **Slag**	**48-22C** **04/18/06** **Outside Alley - Near SWMU 35 (North)** **Slag**	**48-23C** **04/18/06** **Outside Alley - North of Road** **Slag**	**48-24C** **04/18/06** **Outside Alley - North of Road** **Slag**
PCBs (µg/g or ppm)						
Aroclor-1248					0.093	0.075
Aroclor-1260		4.5	2.6	0.035	0.21	0.14
Total PCBs	1.0	**4.5**	**2.6**	**0.035**	0.303	0.215
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**48-25C** **05/24/06** **Outside Alley - Near SWMU 35 (South)** **RBSC**	**48-26C** **05/24/06** **Outside Alley - Near SWMU 35 (North)** **Soil & Fill**	**48-27C** **05/24/06** **Outside Alley - Center** **RBSC**	**48-28C** **05/24/06** **Outside Alley - Near SWMU 36 (South)** **RBSC**	**48-29C** **05/24/06** **Outside Alley - Near SWMU 36 (North)** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248						
Aroclor-1260			1.0		0.017 J	0.21
Total PCBs	1.0	ND (0.019)	**1.0**	ND (0.020)	0.017 J	0.21

Table 5-1 (continued).
Analytical Results of Confirmatory Samples Collected from AOC 48 at the Spaulding Composites Site.

*	6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
RBSC	Reddish brown silty clay.
J	Compound reported at an estimated concentration below the sample quantitation limit.
ND	Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.
	Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
	Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).
	Orange hachured values exceed the NYSDEC soil cleanup objectives; these soils/fill were further excavated during the OU2 IRM.

Table 5-2.
Analytical Results of Confirmatory Samples Collected from SWMU 38 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-34** **04/18/06** **Floor - North of Tank Pad** **RBSC**	**TS-35** **04/18/06** **Floor - West of Tank Pad** **RBSC**	**TS-36** **04/18/06** **Floor - South of Catch Basin** **RBSC**
PCBs (µg/g or ppm)				
Aroclor-1242				
Aroclor-1248		2.0	0.47	1.5
Aroclor-1260				
Total PCBs	1.0	**2.0**	0.47	**1.5**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TS-37** **09/07/06** **West Wall - North** **RBSC**	**TS-38** **09/07/06** **West Wall - South** **RBSC**	**TS-39** **09/07/06** **South Wall** **RBSC**
PCBs (µg/g or ppm)				
Aroclor-1242			0.18	
Aroclor-1248		0.15		
Aroclor-1260				
Total PCBs	1.0	0.15	0.18	ND (0.02)

***** **6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.**
RBSC **Reddish brown silty clay.**
ND **Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.**
Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).

Table 5-3.
Analytical Results of Confirmatory Samples Collected from SWMU 23 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TF-1** **11/07/06** **Side Wall - East** **Slag**	**TF-2** **11/07/06** **Floor - East** **RBSC**	**TF-3** **11/07/06** **Floor - Center** **RBSC**	**TF-4** **11/07/06** **Floor - West** **RBSC**	**TF-5** **11/07/06** **Side Wall - West** **Slag & Ash**
PCBs (µg/g or ppm)						
Aroclor-1248			0.019	0.070	0.0071 J	2.6
Aroclor-1254		0.063				
Aroclor-1260						
Total PCBs	1.0	0.063	0.019	0.070	0.0071 J	**2.6**
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TF-6** **11/07/06** **Floor - East** **RBSC**	**TF-7** **11/07/06** **Floor - Center** **RBSC**	**TF-8** **11/07/06** **Floor - West** **RBSC**	**TF-9** **11/07/06** **Side Wall - West** **Slag & Ash**	**TF-10** **11/07/06** **Floor - East** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248		0.260		0.024	1.8	
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	0.260	ND (0.021)	0.024	**1.8**	ND (0.021)
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TF-11** **11/07/06** **Floor - Center** **RBSC**	**TF-12** **11/07/06** **Floor - West** **RBSC**	**TF-13** **11/07/06** **Side Wall - West** **Slag & Ash**	**TF-14** **11/08/06** **Floor - East** **RBSC**	**TF-15** **11/08/06** **Floor - Center** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248		0.098		0.250		0.015 J
Aroclor-1254						
Aroclor-1260				0.040		
Total PCBs	1.0	0.098	ND (0.021)	0.290	ND (0.020)	0.015 J

Table 5-3 (continued).
Analytical Results of Confirmatory Samples Collected from SWMU 23 at the Spaulding Composites Site.

Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TF-16** **11/08/06** **Floor - West** **RBSC**	**TF-17** **11/08/06** **Side Wall - West** **Slag & Ash**	**TF-18** **11/08/06** **Floor - East** **RBSC**	**TF-19** **11/08/06** **Floor - Center** **RBSC**	**TF-20** **11/08/06** **Floor - West** **RBSC**
PCBs (µg/g or ppm)						
Aroclor-1248			3.1	0.180	0.072	
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	ND (0.019)	**3.1**	0.180	0.072	ND (0.020)
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TF-21** **11/08/06** **Side Wall - West** **Slag & Ash**	**TF-22** **11/08/06** **Floor - Center** **RBSC**	**TF-23** **11/08/06** **Floor - West** **RBSC**	**TF-24** **11/08/06** **Side Wall - West** **Slag & Ash**	**TF-25** **11/09/06** **South Wall - East** **Slag & Ash**
PCBs (µg/g or ppm)						
Aroclor-1248		0.110	0.018 J		0.670	0.012 J
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	0.110	0.018 J	ND (0.021)	0.670	0.012 J
Sample Number **Date Sampled** **Sample Location** **Sample Description**	**Part 375 Soil Cleanup Objective ***	**TF-26** **11/09/06** **South Wall - Center** **Slag & Ash**	**TF-27** **11/09/06** **South Wall - West** **Slag & Ash**			
PCBs (µg/g or ppm)						
Aroclor-1248		0.0071 J	0.250			
Aroclor-1254						
Aroclor-1260						
Total PCBs	1.0	0.0071 J	0.250			

Table 5-3 (continued).
Analytical Results of Confirmatory Samples Collected from SWMU 23 at the Spaulding Composites Site.

*	6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
RBSC	Reddish brown silty clay.
J	Compound reported at an estimated concentration below the sample quantitation limit.
ND	Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.
	Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
	Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).

Table 5-4.
Analytical Results of Confirmatory Samples Collected from SWMU 11 at the Spaulding Composites Site.

Sample Number Date Sampled Sample Location Sample Description	Part 375 Soil Cleanup Objective *	LS-1 10/26/06 North Wall - West Under Concrete Pad RBSC	LS-2 10/26/06 Floor - West South of LS-1 RBSC	LS-3 10/26/06 Floor - Center Near Well OW-11 RBSC	LS-4 10/26/06 East Wall - North Under Boiler House Fine-Grained Ash
PCBs (µg/g or ppm)					
Aroclor-1248			0.18	0.016 J	0.30
Aroclor-1254					0.19
Aroclor-1260					0.11
Total PCBs	1.0	ND (0.021)	0.18	0.016 J	0.60

Sample Number Date Sampled Sample Location Sample Description	Part 375 Soil Cleanup Objective *	LS-5 10/26/06 North Wall - Lagoon Near Well OW-11 RBSC	LS-6 10/26/06 West Wall - Lagoon South of LS-2 RBSC	LS-7 10/26/06 East Wall - Lagoon Under Boiler House Grinding Waste & Slag	LS-8 11/08/06 South Wall - Lagoon South of Well OW-11 RBSC
PCBs (µg/g or ppm)					
Aroclor-1248		0.019 J		0.73	0.017 J
Aroclor-1254					
Aroclor-1260					
Total PCBs	1.0	0.019 J	ND (0.020)	0.73	0.017 J

***** 6 NYCRR Part 375: Environmental Remediation Programs, Restricted Residential Soil Cleanup Objectives, NYSDEC, 2006.
RBSC Reddish brown silty clay.
J Compound reported at an estimated concentration below the sample quantitation limit.
ND Indicates that the compound was analyzed for but was not detected at the method detection limit in parentheses.
Blanks also indicate that the compound was analyzed for but was not detected. ND's were not utilized to aid clarity.
Yellow shaded values equal or exceed the Part 375 soil cleanup objective (1.0 ppm) but are lower than the TAGM 4046 subsurface soil cleanup objective (10 ppm).

APPENDIX A

AIR MONITORING RESULTS

Table A-1.
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/21/04	Station 2 (conc)	11:04	119.9	Downwind
07/21/04	Station 2 (TWA)	11:04	124.5	Downwind
07/21/04	Station 1 (conc)	11:40	86.7	Upwind
07/21/04	Station 1 (TWA)	11:40	88.1	Upwind
07/21/04	Station 2 (conc)	11:48	114.3	Downwind
07/21/04	Station 2 (TWA)	11:48	118.0	Downwind
07/21/04	Station 1 (conc)	12:02	73.8	Upwind
07/21/04	Station 1 (TWA)	12:02	83.0	Upwind
07/21/04	Station 2 (conc)	12:16	115.0	Downwind
07/21/04	Station 2 (TWA)	12:16	116.0	Downwind
07/21/04	Station 1 (conc)	12:18	74.8	Downwind
07/21/04	Station 1 (TWA)	12:18	79.1	Downwind
07/21/04	Station 1 (conc)	12:35	76.4	Upwind
07/21/04	Station 1 (TWA)	12:35	82.8	Upwind
07/21/04	Station 1 (conc)	12:50	70.5	Upwind
07/21/04	Station 1 (TWA)	12:50	80.3	Upwind
07/21/04	Station 2 (conc)	12:48	120.0	Downwind
07/21/04	Station 2 (TWA)	12:48	116.6	Downwind
07/21/04	Station 2 (conc)	13:01	112.4	Downwind
07/21/04	Station 2 (TWA)	13:01	117.0	Downwind
07/21/04	Station 1 (conc)	13:10	78.9	Upwind
07/21/04	Station 1 (TWA)	13:10	78.5	Upwind
07/21/04	Station 1 (conc)	13:22	90.2	Upwind
07/21/04	Station 1 (TWA)	13:22	78.0	Upwind
07/21/04	Station 2 (conc)	13:25	131.9	Downwind
07/21/04	Station 2 (TWA)	13:25	118.5	Downwind
07/21/04	Station 2 (conc)	13:35	136.8	Downwind
07/21/04	Station 2 (TWA)	13:35	119.6	Downwind
07/21/04	Station 1 (conc)	13:37	76.1	Upwind
07/21/04	Station 1 (TWA)	13:37	78.5	Upwind
07/21/04	Station 1 (conc)	13:50	74.1	Upwind
07/21/04	Station 1 (TWA)	13:50	78.7	Upwind
07/21/04	Station 2 (conc)	13:55	129.6	Downwind
07/21/04	Station 2 (TWA)	13:55	121.6	Downwind
07/21/04	Station 1 (conc)	14:59	74.2	Upwind
07/21/04	Station 1 (TWA)	14:59	76.7	Upwind
07/22/04	Station 2 (conc)	6:30	309.6	Upwind
07/22/04	Station 2 (TWA)	6:30	312.3	Upwind
07/22/04	Station 1 (conc)	6:50	267.0	Downwind
07/22/04	Station 1 (TWA)	6:50	250.4	Downwind
07/22/04	Station 1 (conc)	7:00	266.1	Downwind
07/22/04	Station 1 (TWA)	7:00	258.4	Downwind
07/22/04	Station 2 (conc)	6:59	309.0	Upwind
07/22/04	Station 2 (TWA)	6:59	312.7	Upwind
07/22/04	Station 1 (conc)	7:14	263.3	Downwind
07/22/04	Station 1 (TWA)	7:14	261.0	Downwind
07/22/04	Station 1 (conc)	7:30	257.8	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/22/04	Station 1 (TWA)	7:30	261.1	Downwind
07/22/04	Station 2 (conc)	7:29	282.1	Upwind
07/22/04	Station 2 (TWA)	7:29	305.9	Upwind
07/22/04	Station 2 (conc)	7:45	250.6	Upwind
07/22/04	Station 2 (TWA)	7:45	302.6	Upwind
07/22/04	Station 1 (conc)	7:47	262.6	Downwind
07/22/04	Station 1 (TWA)	7:47	259.7	Downwind
07/22/04	Station 2 (conc)	8:00	250.7	Upwind
07/22/04	Station 2 (TWA)	8:00	293.5	Upwind
07/22/04	Station 1 (conc)	8:06	236.8	Downwind
07/22/04	Station 1 (TWA)	8:06	256.4	Downwind
07/22/04	Station 2 (conc)	8:29	249.6	Upwind
07/22/04	Station 2 (TWA)	8:29	283.2	Upwind
07/22/04	Station 1 (conc)	8:37	286.1	Downwind
07/22/04	Station 1 (TWA)	8:37	284.0	Downwind
07/22/04	Station 2 (conc)	8:54	245.0	Upwind
07/22/04	Station 2 (TWA)	8:54	277.1	Upwind
07/22/04	Station 1 (conc)	9:05	293.9	Downwind
07/22/04	Station 1 (TWA)	9:05	284.3	Downwind
07/22/04	Station 2 (conc)	9:27	234.3	Upwind
07/22/04	Station 2 (TWA)	9:28	271.6	Upwind
07/22/04	Station 1 (conc)	9:40	274.5	Downwind
07/22/04	Station 1 (TWA)	9:40	262.5	Downwind
07/22/04	Station 2 (conc)	9:58	243.5	Downwind
07/22/04	Station 2 (TWA)	9:58	266.5	Downwind
07/22/04	Station 1 (conc)	10:06	296.3	Upwind
07/22/04	Station 1 (TWA)	10:06	281.4	Upwind
07/22/04	Station 2 (conc)	10:32	124.6	Downwind
07/22/04	Station 2 (TWA)	10:32	257.8	Downwind
07/22/04	Station 1 (conc)	10:41	207.0	Upwind
07/22/04	Station 1 (TWA)	10:41	263.6	Upwind
07/22/04	Station 2 (conc)	10:55	97.6	Downwind
07/22/04	Station 2 (TWA)	10:55	246.0	Downwind
07/22/04	Station 1 (conc)	11:04	195.5	Upwind
07/22/04	Station 1 (TWA)	11:04	246.4	Upwind
07/22/04	Station 2 (conc)	11:25	78.4	Downwind
07/22/04	Station 2 (TWA)	11:25	234.6	Downwind
07/22/04	Station 1 (conc)	11:35	175.3	Upwind
07/22/04	Station 1 (TWA)	11:35	232.6	Upwind
07/22/04	Station 2 (conc)	11:57	64.8	Downwind
07/22/04	Station 2 (TWA)	11:57	216.9	Downwind
07/22/04	Station 1 (conc)	12:06	170.5	Upwind
07/22/04	Station 1 (TWA)	12:06	219.4	Upwind
07/22/04	Station 2 (conc)	12:25	106.8	Downwind
07/22/04	Station 2 (TWA)	12:25	207.1	Downwind
07/22/04	Station 1 (conc)	12:31	190.8	Upwind
07/22/04	Station 1 (TWA)	12:31	213.9	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/22/04	Station 2 (conc)	12:55	107.6	Downwind
07/22/04	Station 2 (TWA)	12:55	200.1	Downwind
07/22/04	Station 1 (conc)	13:02	205.8	Upwind
07/22/04	Station 1 (TWA)	13:02	212.4	Upwind
07/22/04	Station 2 (conc)	13:25	57.8	Downwind
07/22/04	Station 2 (TWA)	13:25	192.1	Downwind
07/22/04	Station 1 (conc)	13:29	173.1	Upwind
07/22/04	Station 1 (TWA)	13:29	209.0	Upwind
07/22/04	Station 2 (conc)	13:35	68.0	Downwind
07/22/04	Station 2 (TWA)	13:35	187.7	Downwind
07/22/04	Station 1 (conc)	13:46	187.0	Upwind
07/22/04	Station 1 (TWA)	13:46	206.8	Upwind
07/23/04	Station 1 (conc)	6:03	8.9	Upwind
07/23/04	Station 1 (TWA)	6:03	7.5	Upwind
07/23/04	Station 2 (conc)	6:07	10.6	Downwind
07/23/04	Station 2 (TWA)	6:07	15.2	Downwind
07/23/04	Station 2 (conc)	6:30	14.3	Downwind
07/23/04	Station 2 (TWA)	6:30	13.8	Downwind
07/23/04	Station 1 (conc)	6:42	5.8	Upwind
07/23/04	Station 1 (TWA)	6:42	6.5	Upwind
07/23/04	Station 2 (conc)	7:00	11.9	Downwind
07/23/04	Station 2 (TWA)	7:00	16.5	Downwind
07/23/04	Station 1 (conc)	7:07	2.9	Upwind
07/23/04	Station 1 (TWA)	7:07	5.5	Upwind
07/23/04	Station 2 (conc)	7:30	18.1	Downwind
07/23/04	Station 2 (TWA)	7:30	16.9	Downwind
07/23/04	Station 1 (conc)	7:33	2.3	Upwind
07/23/04	Station 1 (TWA)	7:33	4.9	Upwind
07/23/04	Station 2 (conc)	7:55	20.4	Downwind
07/23/04	Station 2 (TWA)	7:55	18.0	Downwind
07/23/04	Station 1 (conc)	8:01	12.7	Upwind
07/23/04	Station 1 (TWA)	8:01	4.7	Upwind
07/23/04	Station 2 (conc)	8:25	22.6	Downwind
07/23/04	Station 2 (TWA)	8:25	19.1	Downwind
07/23/04	Station 1 (conc)	8:30	4.6	Upwind
07/23/04	Station 1 (TWA)	8:30	4.7	Upwind
07/23/04	Station 2 (conc)	8:55	22.6	Downwind
07/23/04	Station 2 (TWA)	8:55	19.1	Downwind
07/23/04	Station 1 (conc)	9:10	10.1	Upwind
07/23/04	Station 1 (TWA)	9:10	5.0	Upwind
07/23/04	Station 2 (conc)	9:28	30.0	Downwind
07/23/04	Station 2 (TWA)	9:28	21.5	Downwind
07/23/04	Station 1 (conc)	9:37	7.2	Upwind
07/23/04	Station 1 (TWA)	9:37	5.3	Upwind
07/23/04	Station 2 (conc)	9:58	26.7	Downwind
07/23/04	Station 2 (TWA)	9:58	22.2	Downwind
07/23/04	Station 1 (conc)	10:06	8.3	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/23/04	Station 1 (TWA)	10:06	5.7	Upwind
07/23/04	Station 2 (conc)	10:27	20.9	Downwind
07/23/04	Station 2 (TWA)	10:27	22.3	Downwind
07/23/04	Station 1 (conc)	10:36	8.4	Upwind
07/23/04	Station 1 (TWA)	10:36	6.0	Upwind
07/23/04	Station 2 (conc)	10:56	19.5	Downwind
07/23/04	Station 2 (TWA)	10:56	22.4	Downwind
07/23/04	Station 1 (conc)	11:05	14.3	Upwind
07/23/04	Station 1 (TWA)	11:05	6.4	Upwind
07/23/04	Station 2 (conc)	11:27	19.3	Downwind
07/23/04	Station 2 (TWA)	11:27	22.7	Downwind
07/23/04	Station 1 (conc)	11:35	9.7	Upwind
07/23/04	Station 1 (TWA)	11:35	6.8	Upwind
07/23/04	Station 2 (conc)	11:55	26.7	Downwind
07/23/04	Station 2 (TWA)	11:55	23.1	Downwind
07/23/04	Station 1 (conc)	12:02	11.8	Upwind
07/23/04	Station 1 (TWA)	12:02	12.9	Upwind
07/23/04	Station 2 (conc)	12:25	30.0	Downwind
07/23/04	Station 2 (TWA)	12:25	23.7	Downwind
07/23/04	Station 1 (conc)	12:32	9.6	Upwind
07/23/04	Station 1 (TWA)	12:32	12.6	Upwind
07/23/04	Station 2 (conc)	13:02	11.5	Downwind
07/23/04	Station 2 (TWA)	13:02	23.4	Downwind
07/23/04	Station 1 (conc)	13:10	12.4	Upwind
07/23/04	Station 1 (TWA)	13:10	12.2	Upwind
07/23/04	Station 2 (conc)	13:25	11.8	Downwind
07/23/04	Station 2 (TWA)	13:25	22.9	Downwind
07/23/04	Station 1 (conc)	13:33	11.7	Upwind
07/23/04	Station 1 (TWA)	13:33	11.9	Upwind
07/26/04	Station 2 (conc)	6:00	13.1	Downwind
07/26/04	Station 2 (TWA)	6:00	16.5	Downwind
07/26/04	Station 1 (conc)	6:08	22.0	Upwind
07/26/04	Station 1 (TWA)	6:08	22.3	Upwind
07/26/04	Station 2 (conc)	6:43	14.3	Downwind
07/26/04	Station 2 (TWA)	6:43	15.3	Downwind
07/26/04	Station 1 (conc)	6:45	43.2	Upwind
07/26/04	Station 1 (TWA)	6:45	47.6	Upwind
07/26/04	Station 2 (conc)	7:16	12.6	Downwind
07/26/04	Station 2 (TWA)	7:16	15.2	Downwind
07/26/04	Station 1 (conc)	7:18	89.4	Upwind
07/26/04	Station 1 (TWA)	7:18	67.0	Upwind
07/26/04	Station 2 (conc)	7:47	14.3	Downwind
07/26/04	Station 2 (TWA)	7:47	15.3	Downwind
07/26/04	Station 1 (conc)	7:49	38.2	Upwind
07/26/04	Station 1 (TWA)	7:49	62.3	Upwind
07/26/04	Station 2 (conc)	8:08	22.7	Upwind
07/26/04	Station 2 (TWA)	8:08	57.2	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/26/04	Station 1 (conc)	8:17	11.9	Downwind
07/26/04	Station 1 (TWA)	8:17	14.5	Downwind
07/26/04	Station 2 (conc)	8:33	21.7	Upwind
07/26/04	Station 2 (TWA)	8:33	51.5	Upwind
07/26/04	Station 1 (conc)	8:42	7.2	Downwind
07/26/04	Station 1 (TWA)	8:42	13.9	Downwind
07/26/04	Station 2 (conc)	9:10	23.2	Upwind
07/26/04	Station 2 (TWA)	9:10	46.7	Upwind
07/26/04	Station 1 (conc)	9:15	11.5	Downwind
07/26/04	Station 1 (TWA)	9:15	13.7	Downwind
07/26/04	Station 2 (conc)	9:45	27.8	Upwind
07/26/04	Station 2 (TWA)	9:45	44.9	Upwind
07/26/04	Station 1 (conc)	9:57	13.4	Downwind
07/26/04	Station 1 (TWA)	9:57	9.2	Downwind
07/26/04	Station 2 (conc)	10:15	28.2	Upwind
07/26/04	Station 2 (TWA)	10:15	44.4	Upwind
07/26/04	Station 1 (conc)	10:24	13.1	Downwind
07/26/04	Station 1 (TWA)	10:24	11.7	Downwind
07/26/04	Station 2 (conc)	10:45	19.1	Upwind
07/26/04	Station 2 (TWA)	10:45	44.5	Upwind
07/26/04	Station 1 (conc)	10:55	15.7	Downwind
07/26/04	Station 1 (TWA)	10:55	13.7	Downwind
07/26/04	Station 2 (conc)	11:10	24.8	Upwind
07/26/04	Station 2 (TWA)	11:10	43.6	Upwind
07/26/04	Station 1 (conc)	11:20	9.4	Downwind
07/26/04	Station 1 (TWA)	11:20	13.3	Downwind
07/26/04	Station 2 (conc)	11:35	24.1	Upwind
07/26/04	Station 2 (TWA)	11:35	42.4	Upwind
07/26/04	Station 1 (conc)	11:45	9.3	Downwind
07/26/04	Station 1 (TWA)	11:45	12.6	Downwind
07/26/04	Station 2 (conc)	12:05	23.7	Upwind
07/26/04	Station 2 (TWA)	12:05	41.2	Upwind
07/26/04	Station 1 (conc)	12:16	13.1	Downwind
07/26/04	Station 1 (TWA)	12:16	12.5	Downwind
07/26/04	Station 2 (conc)	12:37	17.1	Upwind
07/26/04	Station 2 (TWA)	12:37	39.6	Upwind
07/26/04	Station 1 (conc)	12:48	9.0	Downwind
07/26/04	Station 1 (TWA)	12:48	12.3	Downwind
07/26/04	Station 2 (conc)	13:05	14.5	Upwind
07/26/04	Station 2 (TWA)	13:05	38.3	Upwind
07/26/04	Station 1 (conc)	13:13	9.7	Downwind
07/26/04	Station 1 (TWA)	13:13	12.2	Downwind
07/26/04	Station 2 (conc)	13:29	33.5	Upwind
07/26/04	Station 2 (TWA)	13:29	37.5	Upwind
07/26/04	Station 1 (conc)	13:38	11.0	Downwind
07/26/04	Station 1 (TWA)	13:38	12.0	Downwind
07/26/04	Station 2 (conc)	13:58	24.5	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/26/04	Station 2 (TWA)	13:58	36.9	Upwind
07/26/04	Station 1 (conc)	14:05	20.0	Downwind
07/26/04	Station 1 (TWA)	14:05	12.3	Downwind
07/26/04	Station 2 (conc)	14:11	28.7	Upwind
07/26/04	Station 2 (TWA)	14:11	36.5	Upwind
07/26/04	Station 1 (conc)	14:20	23.6	Downwind
07/26/04	Station 1 (TWA)	14:20	12.6	Downwind
07/27/04	Station 1 (conc)	6:09	3.9	Downwind
07/27/04	Station 1 (TWA)	6:09	4.6	Downwind
07/27/04	Station 2 (conc)	6:11	8.2	Upwind
07/27/04	Station 2 (TWA)	6:11	9.4	Upwind
07/27/04	Station 1 (conc)	6:38	40.4	Upwind
07/27/04	Station 1 (TWA)	6:38	28.9	Upwind
07/27/04	Station 2 (conc)	6:55	14.0	Downwind
07/27/04	Station 2 (TWA)	6:55	10.2	Downwind
07/27/04	Station 1 (conc)	7:02	54.5	Upwind
07/27/04	Station 1 (TWA)	7:02	39.0	Upwind
07/27/04	Station 2 (conc)	7:18	16.4	Downwind
07/27/04	Station 2 (TWA)	7:18	12.0	Downwind
07/27/04	Station 1 (conc)	7:32	54.1	Upwind
07/27/04	Station 1 (TWA)	7:32	44.3	Upwind
07/27/04	Station 1 (conc)	7:47	15.8	Downwind
07/27/04	Station 1 (TWA)	7:47	13.3	Downwind
07/27/04	Station 2 (conc)	8:03	54.3	Upwind
07/27/04	Station 2 (TWA)	8:03	46.7	Upwind
07/27/04	Station 1 (conc)	8:07	16.7	Downwind
07/27/04	Station 1 (TWA)	8:07	13.8	Downwind
07/27/04	Station 2 (conc)	8:33	54.6	Upwind
07/27/04	Station 2 (TWA)	8:33	48.6	Upwind
07/27/04	Station 1 (conc)	8:41	19.1	Downwind
07/27/04	Station 1 (TWA)	8:41	14.5	Downwind
07/27/04	Station 2 (conc)	9:01	57.4	Upwind
07/27/04	Station 2 (TWA)	9:01	49.6	Upwind
07/27/04	Station 1 (conc)	9:11	20.3	Downwind
07/27/04	Station 1 (TWA)	9:11	15.4	Downwind
07/27/04	Station 2 (conc)	9:29	60.6	Upwind
07/27/04	Station 2 (TWA)	9:29	50.8	Upwind
07/27/04	Station 1 (conc)	9:34	21.5	Downwind
07/27/04	Station 1 (TWA)	9:34	16.2	Downwind
07/27/04	Station 2 (conc)	10:01	65.3	Upwind
07/27/04	Station 2 (TWA)	10:01	51.9	Upwind
07/27/04	Station 1 (conc)	10:06	35.7	Downwind
07/27/04	Station 1 (TWA)	10:06	18.0	Downwind
07/27/04	Station 2 (conc)	10:25	63.3	Upwind
07/27/04	Station 2 (TWA)	10:25	53.8	Upwind
07/27/04	Station 1 (conc)	10:30	30.3	Downwind
07/27/04	Station 1 (TWA)	10:30	19.3	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/27/04	Station 2 (conc)	11:03	72.0	Upwind
07/27/04	Station 2 (TWA)	11:03	56.4	Upwind
07/27/04	Station 1 (conc)	11:11	31.6	Downwind
07/27/04	Station 1 (TWA)	11:11	21.2	Downwind
07/27/04	Station 2 (conc)	11:30	60.6	Upwind
07/27/04	Station 2 (TWA)	11:30	57.1	Upwind
07/27/04	Station 1 (conc)	11:38	25.7	Downwind
07/27/04	Station 1 (TWA)	11:38	26.3	Downwind
07/28/04	Station 1 (conc)	6:06	77.0	Upwind
07/28/04	Station 1 (TWA)	6:06	74.1	Upwind
07/28/04	Station 2 (conc)	6:10	119.8	Downwind
07/28/04	Station 2 (TWA)	6:10	127.7	Downwind
07/28/04	Station 1 (conc)	6:38	96.6	Upwind
07/28/04	Station 1 (TWA)	6:38	88.5	Upwind
07/28/04	Station 2 (conc)	6:41	163.5	Downwind
07/28/04	Station 2 (TWA)	6:41	147.6	Downwind
07/28/04	Station 1 (conc)	7:03	86.6	Upwind
07/28/04	Station 1 (TWA)	7:03	89.9	Upwind
07/28/04	Station 2 (conc)	7:06	144.6	Downwind
07/28/04	Station 2 (TWA)	7:06	151.0	Downwind
07/28/04	Station 1 (conc)	7:30	93.6	Upwind
07/28/04	Station 1 (TWA)	7:30	88.3	Upwind
07/28/04	Station 2 (conc)	7:32	146.6	Downwind
07/28/04	Station 2 (TWA)	7:32	146.6	Downwind
07/28/04	Station 1 (conc)	8:00	83.4	Upwind
07/28/04	Station 1 (TWA)	8:00	90.1	Upwind
07/28/04	Station 2 (conc)	8:03	86.2	Downwind
07/28/04	Station 2 (TWA)	8:03	143.3	Downwind
07/28/04	Station 1 (conc)	8:30	33.8	Upwind
07/28/04	Station 1 (TWA)	8:30	81.2	Upwind
07/28/04	Station 2 (conc)	8:33	20.3	Downwind
07/28/04	Station 2 (TWA)	8:33	120.5	Downwind
07/28/04	Station 1 (conc)	9:05	34.9	Upwind
07/28/04	Station 1 (TWA)	9:05	70.7	Upwind
07/28/04	Station 2 (conc)	9:07	20.1	Downwind
07/28/04	Station 2 (TWA)	9:07	98.6	Downwind
07/28/04	Station 1 (conc)	9:30	23.6	Upwind
07/28/04	Station 1 (TWA)	9:30	65.6	Upwind
07/28/04	Station 2 (conc)	9:32	4.3	Downwind
07/28/04	Station 2 (TWA)	9:32	87.4	Downwind
07/28/04	Station 1 (conc)	9:55	12.7	Upwind
07/28/04	Station 1 (TWA)	9:55	59.9	Upwind
07/28/04	Station 2 (conc)	9:57	0.0	Downwind
07/28/04	Station 2 (TWA)	9:57	75.2	Downwind
07/28/04	Station 1 (conc)	10:28	15.4	Upwind
07/28/04	Station 1 (TWA)	10:28	54.8	Upwind
07/28/04	Station 2 (conc)	10:30	0.0	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/28/04	Station 2 (TWA)	10:30	64.5	Downwind
07/28/04	Station 1 (conc)	11:05	18.2	Upwind
07/28/04	Station 1 (TWA)	11:05	12.1	Upwind
07/28/04	Station 2 (conc)	11:08	0.0	Downwind
07/28/04	Station 2 (TWA)	11:08	53.2	Downwind
07/28/04	Station 1 (conc)	11:44	19.8	Upwind
07/28/04	Station 1 (TWA)	11:44	16.6	Upwind
07/28/04	Station 2 (conc)	11:48	0.0	Downwind
07/28/04	Station 2 (TWA)	11:48	45.5	Downwind
07/28/04	Station 1 (conc)	12:17	14.1	Upwind
07/28/04	Station 1 (TWA)	12:17	16.5	Upwind
07/28/04	Station 2 (conc)	12:20	0.0	Downwind
07/28/04	Station 2 (TWA)	12:20	40.4	Downwind
07/28/04	Station 1 (conc)	12:39	11.6	Upwind
07/28/04	Station 1 (TWA)	12:39	15.4	Upwind
07/28/04	Station 2 (conc)	12:42	0.0	Downwind
07/28/04	Station 2 (TWA)	12:42	37.1	Downwind
07/28/04	Station 1 (conc)	13:26	12.2	Upwind
07/28/04	Station 1 (TWA)	13:26	14.6	Upwind
07/28/04	Station 2 (conc)	13:29	0.0	Downwind
07/28/04	Station 2 (TWA)	13:29	31.3	Downwind
07/28/04	Station 1 (conc)	13:55	17.2	Upwind
07/28/04	Station 1 (TWA)	13:55	15.0	Upwind
07/28/04	Station 2 (conc)	13:57	0.0	Downwind
07/28/04	Station 2 (TWA)	13:57	29.0	Downwind
07/29/04	Station 1 (conc)	6:00	36.3	Downwind
07/29/04	Station 1 (TWA)	6:00	33.0	Downwind
07/29/04	Station 2 (conc)	6:12	56.8	Upwind
07/29/04	Station 2 (TWA)	6:12	44.8	Upwind
07/29/04	Station 2 (conc)	6:37	124.3	Upwind
07/29/04	Station 2 (TWA)	6:37	100.4	Upwind
07/29/04	Station 1 (conc)	6:47	60.8	Downwind
07/29/04	Station 1 (TWA)	6:47	50.3	Downwind
07/29/04	Station 2 (conc)	7:06	123.2	Upwind
07/29/04	Station 2 (TWA)	7:06	112.1	Upwind
07/29/04	Station 1 (conc)	7:10	73.1	Downwind
07/29/04	Station 1 (TWA)	7:10	56.0	Downwind
07/29/04	Station 2 (conc)	7:36	93.8	Upwind
07/29/04	Station 2 (TWA)	7:36	111.6	Upwind
07/29/04	Station 1 (conc)	7:41	71.3	Downwind
07/29/04	Station 1 (TWA)	7:41	61.4	Downwind
07/29/04	Station 2 (conc)	8:00	80.1	Upwind
07/29/04	Station 2 (TWA)	8:00	106.7	Upwind
07/29/04	Station 1 (conc)	8:09	57.4	Downwind
07/29/04	Station 1 (TWA)	8:09	63.0	Downwind
07/29/04	Station 2 (conc)	8:33	68.0	Upwind
07/29/04	Station 2 (TWA)	8:33	99.9	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/29/04	Station 1 (conc)	8:40	40.7	Downwind
07/29/04	Station 1 (TWA)	8:40	60.1	Downwind
07/29/04	Station 2 (conc)	9:08	54.8	Upwind
07/29/04	Station 2 (TWA)	9:08	91.4	Upwind
07/29/04	Station 1 (conc)	9:15	38.5	Downwind
07/29/04	Station 1 (TWA)	9:15	55.8	Downwind
07/29/04	Station 2 (conc)	9:38	51.3	Upwind
07/29/04	Station 2 (TWA)	9:38	51.7	Upwind
07/29/04	Station 1 (conc)	9:43	38.7	Downwind
07/29/04	Station 1 (TWA)	9:43	54.0	Downwind
07/29/04	Station 2 (conc)	10:04	46.5	Upwind
07/29/04	Station 2 (TWA)	10:04	50.5	Upwind
07/29/04	Station 1 (conc)	10:09	36.7	Downwind
07/29/04	Station 1 (TWA)	10:09	52.5	Downwind
07/29/04	Station 2 (conc)	10:34	47.4	Upwind
07/29/04	Station 2 (TWA)	10:34	49.0	Upwind
07/29/04	Station 1 (conc)	10:40	41.0	Downwind
07/29/04	Station 1 (TWA)	10:40	51.1	Downwind
07/29/04	Station 2 (conc)	11:00	46.8	Upwind
07/29/04	Station 2 (TWA)	11:00	48.7	Upwind
07/29/04	Station 1 (conc)	11:05	40.9	Downwind
07/29/04	Station 1 (TWA)	11:05	50.1	Downwind
07/29/04	Station 2 (conc)	11:30	50.4	Upwind
07/29/04	Station 2 (TWA)	11:30	48.4	Upwind
07/29/04	Station 1 (conc)	11:33	50.0	Downwind
07/29/04	Station 1 (TWA)	11:33	49.8	Downwind
07/29/04	Station 2 (conc)	11:58	51.8	Upwind
07/29/04	Station 2 (TWA)	11:58	48.2	Upwind
07/29/04	Station 1 (conc)	12:00	44.6	Downwind
07/29/04	Station 1 (TWA)	12:00	49.3	Downwind
07/29/04	Station 2 (conc)	12:31	51.0	Upwind
07/29/04	Station 2 (TWA)	12:31	48.1	Upwind
07/29/04	Station 1 (conc)	12:34	40.9	Downwind
07/29/04	Station 1 (TWA)	12:34	48.9	Downwind
07/29/04	Station 2 (conc)	12:58	44.7	Upwind
07/29/04	Station 2 (TWA)	12:58	48.2	Upwind
07/29/04	Station 1 (conc)	13:00	40.7	Downwind
07/29/04	Station 1 (TWA)	13:00	48.5	Downwind
07/29/04	Station 2 (conc)	13:30	45.1	Upwind
07/29/04	Station 2 (TWA)	13:30	48.2	Upwind
07/29/04	Station 1 (conc)	13:38	40.6	Downwind
07/29/04	Station 1 (TWA)	13:38	47.8	Downwind
07/29/04	Station 2 (conc)	14:01	43.7	Upwind
07/29/04	Station 2 (TWA)	14:01	48.0	Upwind
07/29/04	Station 1 (conc)	14:14	53.4	Downwind
07/29/04	Station 1 (TWA)	14:14	47.2	Downwind
07/30/04	Station 1 (conc)	5:59	85.4	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/30/04	Station 1 (TWA)	5:59	88.7	Downwind
07/30/04	Station 2 (conc)	6:06	87.9	Upwind
07/30/04	Station 2 (TWA)	6:06	73.5	Upwind
07/30/04	Station 1 (conc)	6:27	114.3	Downwind
07/30/04	Station 1 (TWA)	6:27	98.9	Downwind
07/30/04	Station 2 (conc)	6:31	252.8	Upwind
07/30/04	Station 2 (TWA)	6:31	221.8	Upwind
07/30/04	Station 1 (conc)	7:00	106.7	Downwind
07/30/04	Station 1 (TWA)	7:00	92.6	Downwind
07/30/04	Station 2 (conc)	7:02	181.2	Upwind
07/30/04	Station 2 (TWA)	7:02	182.6	Upwind
07/30/04	Station 1 (conc)	7:25	108.4	Downwind
07/30/04	Station 1 (TWA)	7:25	96.4	Downwind
07/30/04	Station 2 (conc)	7:28	176.3	Upwind
07/30/04	Station 2 (TWA)	7:28	184.3	Upwind
07/30/04	Station 1 (conc)	7:53	101.5	Downwind
07/30/04	Station 1 (TWA)	7:53	99.1	Downwind
07/30/04	Station 2 (conc)	7:56	170.8	Upwind
07/30/04	Station 2 (TWA)	7:56	181.4	Upwind
07/30/04	Station 1 (conc)	8:22	101.5	Downwind
07/30/04	Station 1 (TWA)	8:22	100.7	Downwind
07/30/04	Station 2 (conc)	8:25	152.3	Upwind
07/30/04	Station 2 (TWA)	8:25	179.3	Upwind
07/30/04	Station 1 (conc)	8:54	81.5	Downwind
07/30/04	Station 1 (TWA)	8:54	82.3	Downwind
07/30/04	Station 2 (conc)	8:57	134.8	Upwind
07/30/04	Station 2 (TWA)	8:57	170.2	Upwind
07/30/04	Station 1 (conc)	9:23	91.4	Downwind
07/30/04	Station 1 (TWA)	9:23	88.9	Downwind
07/30/04	Station 1 (conc)	9:27	131.8	Upwind
07/30/04	Station 1 (TWA)	9:27	163.7	Upwind
07/30/04	Station 2 (conc)	9:50	86.2	Downwind
07/30/04	Station 2 (TWA)	9:50	87.4	Downwind
07/30/04	Station 1 (conc)	9:54	119.0	Upwind
07/30/04	Station 1 (TWA)	9:54	157.8	Upwind
07/30/04	Station 2 (conc)	10:22	92.4	Downwind
07/30/04	Station 2 (TWA)	10:22	87.3	Downwind
07/30/04	Station 1 (conc)	10:25	113.8	Upwind
07/30/04	Station 1 (TWA)	10:25	152.7	Upwind
07/30/04	Station 2 (conc)	10:51	81.7	Downwind
07/30/04	Station 2 (TWA)	10:51	87.0	Downwind
07/30/04	Station 1 (conc)	10:59	111.2	Upwind
07/30/04	Station 1 (TWA)	10:59	147.7	Upwind
07/30/04	Station 2 (conc)	11:20	83.1	Downwind
07/30/04	Station 2 (TWA)	11:20	87.2	Downwind
07/30/04	Station 1 (conc)	11:22	114.7	Upwind
07/30/04	Station 1 (TWA)	11:22	145.3	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
07/30/04	Station 2 (conc)	11:50	87.9	Downwind
07/30/04	Station 2 (TWA)	11:50	87.8	Downwind
07/30/04	Station 1 (conc)	11:53	87.8	Upwind
07/30/04	Station 1 (TWA)	11:53	118.1	Upwind
07/30/04	Station 2 (conc)	12:31	102.7	Downwind
07/30/04	Station 2 (TWA)	12:31	88.9	Downwind
07/30/04	Station 1 (conc)	12:33	138.4	Upwind
07/30/04	Station 1 (TWA)	12:33	142.8	Upwind
07/30/04	Station 2 (conc)	12:50	105.3	Downwind
07/30/04	Station 2 (TWA)	12:50	89.1	Downwind
07/30/04	Station 1 (conc)	12:55	136.4	Upwind
07/30/04	Station 1 (TWA)	12:55	142.0	Upwind
08/02/04	Station 1 (conc)	5:54	43.3	Downwind
08/02/04	Station 1 (TWA)	5:54	43.1	Downwind
08/02/04	Station 2 (conc)	5:57	74.7	Upwind
08/02/04	Station 2 (TWA)	5:57	87.4	Upwind
08/02/04	Station 1 (conc)	6:28	87.3	Downwind
08/02/04	Station 1 (TWA)	6:28	68.4	Downwind
08/02/04	Station 2 (conc)	6:30	188.2	Upwind
08/02/04	Station 2 (TWA)	6:30	136.7	Upwind
08/02/04	Station 1 (conc)	6:59	115.0	Downwind
08/02/04	Station 1 (TWA)	6:59	87.1	Downwind
08/02/04	Station 2 (conc)	7:02	209.9	Upwind
08/02/04	Station 2 (TWA)	7:02	165.5	Upwind
08/02/04	Station 1 (conc)	7:30	112.6	Downwind
08/02/04	Station 1 (TWA)	7:30	66.2	Downwind
08/02/04	Station 2 (conc)	7:35	128.8	Upwind
08/02/04	Station 2 (TWA)	7:35	167.0	Upwind
08/02/04	Station 1 (conc)	8:00	71.3	Downwind
08/02/04	Station 1 (TWA)	8:00	93.0	Downwind
08/02/04	Station 2 (conc)	8:03	85.7	Upwind
08/02/04	Station 2 (TWA)	8:03	153.7	Upwind
08/02/04	Station 1 (conc)	8:33	43.6	Downwind
08/02/04	Station 1 (TWA)	8:33	70.8	Downwind
08/02/04	Station 2 (conc)	8:35	62.1	Upwind
08/02/04	Station 2 (TWA)	8:35	138.0	Upwind
08/02/04	Station 1 (conc)	9:02	33.9	Downwind
08/02/04	Station 1 (TWA)	9:02	59.9	Downwind
08/02/04	Station 2 (conc)	9:05	43.3	Upwind
08/02/04	Station 2 (TWA)	9:05	124.3	Upwind
08/02/04	Station 1 (conc)	9:26	30.7	Downwind
08/02/04	Station 1 (TWA)	9:26	53.7	Downwind
08/02/04	Station 2 (conc)	9:30	27.0	Upwind
08/02/04	Station 2 (TWA)	9:30	114.5	Upwind
08/02/04	Station 1 (conc)	10:02	25.5	Downwind
08/02/04	Station 1 (TWA)	10:02	47.4	Downwind
08/02/04	Station 2 (conc)	10:06	17.7	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
08/02/04	Station 2 (TWA)	10:06	101.3	Upwind
08/02/04	Station 1 (conc)	10:34	26.7	Downwind
08/02/04	Station 1 (TWA)	10:34	44.0	Downwind
08/02/04	Station 2 (conc)	10;36	10.1	Upwind
08/02/04	Station 2 (TWA)	10:36	92.4	Upwind
08/02/04	Station 1 (conc)	10:58	21.1	Downwind
08/02/04	Station 1 (TWA)	10:58	41.8	Downwind
08/02/04	Station 2 (conc)	11:00	7.3	Upwind
08/02/04	Station 2 (TWA)	11:00	86.0	Upwind
08/02/04	Station 1 (conc)	11:27	21.1	Downwind
08/02/04	Station 1 (TWA)	11:27	39.4	Downwind
08/02/04	Station 2 (conc)	11:30	4.7	Upwind
08/02/04	Station 2 (TWA)	11:30	79.0	Upwind
08/02/04	Station 1 (conc)	11:56	20.0	Downwind
08/02/04	Station 1 (TWA)	11:56	37.5	Downwind
08/02/04	Station 2 (conc)	11:59	9.0	Upwind
08/02/04	Station 2 (TWA)	11:59	73.1	Upwind
08/02/04	Station 1 (conc)	12:39	18.1	Downwind
08/02/04	Station 1 (TWA)	12:39	35.1	Downwind
08/02/04	Station 2 (conc)	12:41	1.0	Upwind
08/02/04	Station 2 (TWA)	12:41	65.9	Upwind
08/02/04	Station 1 (conc)	13:22	21.3	Downwind
08/02/04	Station 1 (TWA)	13:22	33.2	Downwind
08/02/04	Station 2 (conc)	13:24	4.8	Upwind
08/02/04	Station 2 (TWA)	13:24	60.1	Upwind
08/03/04	Station 1 (conc)	9:35	45.3	Upwind
08/03/04	Station 1 (TWA)	9:35	39.8	Upwind
08/03/04	Station 2 (conc)	9:36	68.4	Downwind
08/03/04	Station 2 (TWA)	9:36	78.5	Downwind
08/03/04	Station 1 (conc)	9:57	40.7	Upwind
08/03/04	Station 1 (TWA)	9:57	45.5	Upwind
08/03/04	Station 2 (conc)	9:52	74.3	Downwind
08/03/04	Station 2 (TWA)	9:52	75.0	Downwind
08/03/04	Station 1 (conc)	10:29	34.1	Upwind
08/03/04	Station 1 (TWA)	10:29	42.2	Upwind
08/03/04	Station 2 (conc)	10:31	54.6	Downwind
08/03/04	Station 2 (TWA)	10:31	64.4	Downwind
08/03/04	Station 1 (conc)	10:48	35.6	Upwind
08/03/04	Station 1 (TWA)	10:48	40.7	Upwind
08/03/04	Station 2 (conc)	10:50	45.8	Downwind
08/03/04	Station 2 (TWA)	10:50	60.6	Downwind
08/03/04	Station 2 (conc)	11:21	46.7	Downwind
08/03/04	Station 2 (TWA)	11:21	58.0	Downwind
08/03/04	Station 1 (conc)	11:23	39.3	Upwind
08/03/04	Station 1 (TWA)	11:23	39.5	Upwind
08/03/04	Station 2 (conc)	11:47	51.0	Downwind
08/03/04	Station 2 (TWA)	11:47	55.1	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
08/03/04	Station 1 (conc)	11:50	39.3	Upwind
08/03/04	Station 1 (TWA)	11:50	38.0	Upwind
08/03/04	Station 2 (conc)	13:08	47.4	Downwind
08/03/04	Station 2 (TWA)	13:08	53.5	Downwind
08/03/04	Station 1 (conc)	13:10	32.8	Upwind
08/03/04	Station 1 (TWA)	13:10	38.8	Upwind
08/03/04	Station 2 (conc)	13:40	46.7	Downwind
08/03/04	Station 2 (TWA)	13:40	52.9	Downwind
08/03/04	Station 1 (conc)	13:44	34.1	Upwind
08/03/04	Station 1 (TWA)	13:44	38.1	Upwind
08/03/04	Station 2 (conc)	14:20	38.2	Downwind
08/03/04	Station 2 (TWA)	14:20	52.3	Downwind
08/03/04	Station 1 (conc)	14:22	27.4	Upwind
08/03/04	Station 1 (TWA)	14:22	37.4	Upwind
08/03/04	Station 2 (conc)	14:51	52.4	Downwind
08/03/04	Station 2 (TWA)	14:51	52.5	Downwind
08/03/04	Station 1 (conc)	14:55	36.0	Upwind
08/03/04	Station 1 (TWA)	14:55	37.3	Upwind
08/03/04	Station 1 (conc)	15:28	41.7	Upwind
08/03/04	Station 1 (TWA)	15:28	37.4	Upwind
08/03/04	Station 2 (conc)	15:30	51.4	Downwind
08/03/04	Station 2 (TWA)	15:30	52.7	Downwind
08/04/04	Station 1 (conc)	8:01	206.1	Downwind
08/04/04	Station 1 (TWA)	8:01	172.4	Downwind
08/04/04	Station 2 (conc)	8:09	114.0	Upwind
08/04/04	Station 2 (TWA)	8:09	92.1	Upwind
08/04/04	Station 1 (conc)	8:40	190.0	Downwind
08/04/04	Station 1 (TWA)	8:40	178.1	Downwind
08/04/04	Station 2 (conc)	8:48	145.2	Upwind
08/04/04	Station 2 (TWA)	8:48	118.4	Upwind
08/04/04	Station 1 (conc)	9:18	165.9	Downwind
08/04/04	Station 1 (TWA)	9:18	183.6	Downwind
08/04/04	Station 2 (conc)	9:25	78.1	Upwind
08/04/04	Station 2 (TWA)	9:25	101.7	Upwind
08/04/04	Station 1 (conc)	10:01	153.7	Downwind
08/04/04	Station 1 (TWA)	10:01	172.7	Downwind
08/04/04	Station 2 (conc)	10:06	74.9	Upwind
08/04/04	Station 2 (TWA)	10:06	86.3	Upwind
08/04/04	Station 1 (conc)	10:31	144.0	Downwind
08/04/04	Station 1 (TWA)	10:31	167.7	Downwind
08/04/04	Station 2 (conc)	10:36	63.6	Upwind
08/04/04	Station 2 (TWA)	10:36	82.2	Upwind
08/04/04	Station 1 (conc)	11:01	117.8	Downwind
08/04/04	Station 1 (TWA)	11:01	163.6	Downwind
08/04/04	Station 2 (conc)	11:06	56.9	Upwind
08/04/04	Station 2 (TWA)	11:06	77.5	Upwind
08/05/04	Station 1 (conc)	7:25	13.4	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
08/05/04	Station 1 (TWA)	7:25	21.5	Downwind
08/05/04	Station 2 (conc)	7:28	15.7	Upwind
08/05/04	Station 2 (TWA)	7:28	16.9	Upwind
08/05/04	Station 1 (conc)	8:08	28.8	Downwind
08/05/04	Station 1 (TWA)	8:08	19.6	Downwind
08/05/04	Station 2 (conc)	8:16	11.5	Upwind
08/05/04	Station 2 (TWA)	8:16	14.7	Upwind
08/05/04	Station 1 (conc)	8:44	2.0	Downwind
08/05/04	Station 1 (TWA)	8:44	15.1	Downwind
08/05/04	Station 2 (conc)	8:50	8.0	Upwind
08/05/04	Station 2 (TWA)	8:50	13.0	Upwind
08/05/04	Station 1 (conc)	9:29	2.7	Downwind
08/05/04	Station 1 (TWA)	9:29	10.2	Downwind
08/05/04	Station 2 (conc)	9:33	6.3	Upwind
08/05/04	Station 2 (TWA)	9:33	11.2	Upwind
08/05/04	Station 1 (conc)	10:01	2.1	Downwind
08/05/04	Station 1 (TWA)	10:01	6.2	Downwind
08/05/04	Station 2 (conc)	10:03	4.9	Upwind
08/05/04	Station 2 (TWA)	10:03	10.9	Upwind
08/05/04	Station 1 (conc)	10:35	0.0	Downwind
08/05/04	Station 1 (TWA)	10:35	5.8	Downwind
08/05/04	Station 2 (conc)	10:37	5.5	Upwind
08/05/04	Station 2 (TWA)	10:37	10.3	Upwind
08/05/04	Station 1 (conc)	10:57	0.0	Downwind
08/05/04	Station 1 (TWA)	10:57	3.6	Downwind
08/05/04	Station 2 (conc)	11:01	7.2	Upwind
08/05/04	Station 2 (TWA)	11:01	10.0	Upwind
08/05/04	Station 1 (conc)	11:32	2.5	Downwind
08/05/04	Station 1 (TWA)	11:32	4.2	Downwind
08/05/04	Station 2 (conc)	11:35	7.5	Upwind
08/05/04	Station 2 (TWA)	11:35	8.9	Upwind
08/05/04	Station 1 (conc)	12:01	0.9	Downwind
08/05/04	Station 1 (TWA)	12:01	1.0	Downwind
08/05/04	Station 2 (conc)	12:02	9.3	Upwind
08/05/04	Station 2 (TWA)	12:02	8.7	Upwind
08/05/04	Station 1 (conc)	12:34	0.6	Downwind
08/05/04	Station 1 (TWA)	12:34	0.8	Downwind
08/05/04	Station 2 (conc)	12:39	4.6	Upwind
08/05/04	Station 2 (TWA)	12:39	9.0	Upwind
08/05/04	Station 1 (conc)	12:58	0.0	Downwind
08/05/04	Station 1 (TWA)	12:58	0.5	Downwind
08/05/04	Station 2 (conc)	12:58	4.6	Upwind
08/05/04	Station 2 (TWA)	12:58	8.5	Upwind
08/05/04	Station 1 (conc)	13:30	0.0	Downwind
08/05/04	Station 1 (TWA)	13:30	0.0	Downwind
08/05/04	Station 2 (conc)	13:33	4.8	Upwind
08/05/04	Station 2 (TWA)	13:33	8.4	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
08/05/04	Station 1 (conc)	13:57	0.0	Downwind
08/05/04	Station 1 (TWA)	13:57	0.0	Downwind
08/05/04	Station 2 (conc)	14:02	4.5	Upwind
08/05/04	Station 2 (TWA)	14:02	8.2	Upwind
08/05/04	Station 1 (conc)	14:30	0.0	Downwind
08/05/04	Station 1 (TWA)	14:30	0.0	Downwind
08/05/04	Station 2 (conc)	14:37	5.3	Upwind
08/05/04	Station 2 (TWA)	14:37	8.0	Upwind
08/05/04	Station 1 (conc)	15:01	0.0	Downwind
08/05/04	Station 1 (TWA)	15:01	0.0	Downwind
08/05/04	Station 2 (conc)	15:03	4.4	Upwind
08/05/04	Station 2 (TWA)	15:03	7.8	Upwind
08/06/04	Station 1 (conc)	8:10	43.8	Downwind
08/06/04	Station 1 (TWA)	8:10	31.7	Downwind
08/06/04	Station 2 (conc)	8:12	11.2	Upwind
08/06/04	Station 2 (TWA)	8:12	10.1	Upwind
08/06/04	Station 1 (conc)	8:43	38.6	Downwind
08/06/04	Station 1 (TWA)	8:43	37.8	Downwind
08/06/04	Station 2 (conc)	8:51	10.1	Upwind
08/06/04	Station 2 (TWA)	8:51	11.7	Upwind
08/06/04	Station 1 (conc)	9:14	28.9	Downwind
08/06/04	Station 1 (TWA)	9:14	36.7	Downwind
08/06/04	Station 2 (conc)	9:16	10.4	Upwind
08/06/04	Station 2 (TWA)	9:16	11.6	Upwind
08/06/04	Station 1 (conc)	9:48	18.8	Downwind
08/06/04	Station 1 (TWA)	9:48	34.1	Downwind
08/06/04	Station 2 (conc)	9:50	6.7	Upwind
08/06/04	Station 2 (TWA)	9:50	9.5	Upwind
08/06/04	Station 1 (conc)	10:28	14.7	Downwind
08/06/04	Station 1 (TWA)	10:28	31.8	Downwind
08/06/04	Station 2 (conc)	10:31	3.7	Upwind
08/06/04	Station 2 (TWA)	10:31	9.0	Upwind
08/06/04	Station 1 (conc)	10:55	6.8	Downwind
08/06/04	Station 1 (TWA)	10:55	31.0	Downwind
08/06/04	Station 2 (conc)	10:56	4.3	Upwind
08/06/04	Station 2 (TWA)	10:56	8.6	Upwind
08/06/04	Station 1 (conc)	11:25	6.9	Downwind
08/06/04	Station 1 (TWA)	11:25	28.9	Downwind
08/06/04	Station 2 (conc)	11:26	4.8	Upwind
08/06/04	Station 2 (TWA)	11:26	7.6	Upwind
08/06/04	Station 1 (conc)	11:51	5.3	Downwind
08/06/04	Station 1 (TWA)	11:51	27.8	Downwind
08/06/04	Station 2 (conc)	11:55	9.1	Upwind
08/06/04	Station 2 (TWA)	11:55	7.8	Upwind
08/06/04	Station 1 (conc)	12:30	8.4	Downwind
08/06/04	Station 1 (TWA)	12:30	24.3	Downwind
08/06/04	Station 2 (conc)	12:37	5.6	Upwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
08/06/04	Station 2 (TWA)	12:37	7.1	Upwind
08/06/04	Station 1 (conc)	13:08	7.5	Downwind
08/06/04	Station 1 (TWA)	13:08	22.7	Downwind
08/06/04	Station 2 (conc)	13:11	4.5	Upwind
08/06/04	Station 2 (TWA)	13:11	7.0	Upwind
08/06/04	Station 1 (conc)	13:30	9.7	Downwind
08/06/04	Station 1 (TWA)	13:30	22.9	Downwind
08/06/04	Station 2 (conc)	13:32	5.1	Upwind
08/06/04	Station 2 (TWA)	13:32	6.8	Upwind
08/06/04	Station 1 (conc)	13:55	9.0	Downwind
08/06/04	Station 1 (TWA)	13:55	22.0	Downwind
08/06/04	Station 2 (conc)	13:56	4.3	Upwind
08/06/04	Station 2 (TWA)	13:56	6.9	Upwind
08/06/04	Station 1 (conc)	14:30	7.4	Downwind
08/06/04	Station 1 (TWA)	14:30	21.5	Downwind
08/06/04	Station 2 (conc)	14:33	4.6	Upwind
08/06/04	Station 2 (TWA)	14:33	6.7	Upwind
08/06/04	Station 1 (conc)	15:06	9.1	Downwind
08/06/04	Station 1 (TWA)	15:06	21.4	Downwind
08/06/04	Station 2 (conc)	15:08	4.6	Upwind
08/06/04	Station 2 (TWA)	15:08	6.5	Upwind
08/06/04	Station 1 (conc)	15:25	14.9	Downwind
08/06/04	Station 1 (TWA)	15:25	21.3	Downwind
08/06/04	Station 2 (conc)	15:28	4.7	Upwind
08/06/04	Station 2 (TWA)	15:28	6.5	Upwind
08/06/04	Station 1 (conc)	15:58	9.1	Downwind
08/06/04	Station 1 (TWA)	15:58	21.0	Downwind
08/06/04	Station 2 (conc)	16:00	5.9	Upwind
08/06/04	Station 2 (TWA)	16:00	6.4	Upwind
08/09/04	Station 1 (conc)	7:57	39.6	Downwind
08/09/04	Station 1 (TWA)	7:57	35.9	Downwind
08/09/04	Station 2 (conc)	7:59	24.1	Upwind
08/09/04	Station 2 (TWA)	7:59	17.5	Upwind
08/09/04	Station 1 (conc)	8:24	35.0	Downwind
08/09/04	Station 1 (TWA)	8:24	35.9	Downwind
08/09/04	Station 2 (conc)	8:27	20.8	Upwind
08/09/04	Station 2 (TWA)	8:27	20.9	Upwind
08/09/04	Station 1 (conc)	8:53	28.0	Downwind
08/09/04	Station 1 (TWA)	8:53	33.3	Downwind
08/09/04	Station 2 (conc)	8:57	15.9	Upwind
08/09/04	Station 2 (TWA)	8:57	20.3	Upwind
08/09/04	Station 1 (conc)	9:25	30.0	Downwind
08/09/04	Station 1 (TWA)	9:25	31.6	Downwind
08/09/04	Station 2 (conc)	9:29	17.0	Upwind
08/09/04	Station 2 (TWA)	9:29	19.8	Upwind
08/09/04	Station 1 (conc)	9:50	30.4	Downwind
08/09/04	Station 1 (TWA)	9:50	30.5	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
08/09/04	Station 2 (conc)	9:52	17.3	Upwind
08/09/04	Station 2 (TWA)	9:52	17.5	Upwind
08/09/04	Station 1 (conc)	10:26	29.3	Downwind
08/09/04	Station 1 (TWA)	10:26	28.7	Downwind
08/09/04	Station 2 (conc)	10:28	19.5	Upwind
08/09/04	Station 2 (TWA)	10:28	17.9	Upwind
08/09/04	Station 1 (conc)	10:54	31.0	Downwind
08/09/04	Station 1 (TWA)	10:54	28.9	Downwind
08/09/04	Station 2 (conc)	10:57	21.4	Upwind
08/09/04	Station 2 (TWA)	10:57	18.7	Upwind
08/09/04	Station 1 (conc)	11:28	27.8	Downwind
08/09/04	Station 1 (TWA)	11:28	24.3	Downwind
08/09/04	Station 2 (conc)	11:30	21.8	Upwind
08/09/04	Station 2 (TWA)	11:30	21.1	Upwind
08/09/04	Station 1 (conc)	11:52	26.0	Downwind
08/09/04	Station 1 (TWA)	11:52	27.9	Downwind
08/09/04	Station 2 (conc)	11:56	17.2	Upwind
08/09/04	Station 2 (TWA)	11:56	19.0	Upwind
08/09/04	Station 1 (conc)	12:33	19.1	Downwind
08/09/04	Station 1 (TWA)	12:33	27.2	Downwind
08/09/04	Station 2 (conc)	12:35	18.9	Upwind
08/09/04	Station 2 (TWA)	12:35	18.6	Upwind
08/09/04	Station 1 (conc)	13:05	18.6	Downwind
08/09/04	Station 1 (TWA)	13:05	26.5	Downwind
08/09/04	Station 2 (conc)	13:08	17.0	Upwind
08/09/04	Station 2 (TWA)	13:08	18.5	Upwind
08/09/04	Station 1 (conc)	13:32	20.9	Downwind
08/09/04	Station 1 (TWA)	13:32	25.8	Downwind
08/09/04	Station 2 (conc)	13:33	16.3	Upwind
08/09/04	Station 2 (TWA)	13:33	18.4	Upwind
08/09/04	Station 1 (conc)	14:05	21.3	Downwind
08/09/04	Station 1 (TWA)	14:05	25.3	Downwind
08/09/04	Station 2 (conc)	14:08	21.5	Upwind
08/09/04	Station 2 (TWA)	14:08	19.1	Upwind
08/09/04	Station 1 (conc)	14:39	20.1	Downwind
08/09/04	Station 1 (TWA)	14:39	24.3	Downwind
08/09/04	Station 2 (conc)	14:41	14.2	Upwind
08/09/04	Station 2 (TWA)	14:41	24.7	Upwind
08/09/04	Station 1 (conc)	15:10	22.1	Downwind
08/09/04	Station 1 (TWA)	15:10	22.9	Downwind
08/09/04	Station 2 (conc)	15:12	19.1	Upwind
08/09/04	Station 2 (TWA)	15:12	23.9	Upwind
08/09/04	Station 1 (conc)	15:40	25.3	Downwind
08/09/04	Station 1 (TWA)	15:40	23.4	Downwind
08/09/04	Station 2 (conc)	15:45	17.7	Upwind
08/09/04	Station 2 (TWA)	15:45	22.5	Upwind
08/10/04	Station 1 (conc)	8:13	175.3	Downwind

Table A-1 (continued).
Summary of Particulate Air Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ug/m3)	Station Location
08/10/04	Station 1 (TWA)	8:13	158.4	Downwind
08/10/04	Station 2 (conc)	8:15	93.2	Upwind
08/10/04	Station 2 (TWA)	8:15	90.4	Upwind
08/10/04	Station 1 (conc)	8:42	123.1	Downwind
08/10/04	Station 1 (TWA)	8:42	150.9	Downwind
08/10/04	Station 2 (conc)	8:45	49.3	Upwind
08/10/04	Station 2 (TWA)	8:45	85.4	Upwind
08/10/04	Station 1 (conc)	9:15	147.4	Downwind
08/10/04	Station 1 (TWA)	9:15	150.1	Downwind
08/10/04	Station 2 (conc)	9:18	58.9	Upwind
08/10/04	Station 2 (TWA)	9:18	71.9	Upwind
08/10/04	Station 1 (conc)	9:40	113.5	Downwind
08/10/04	Station 1 (TWA)	9:40	141.2	Downwind
08/10/04	Station 2 (conc)	9:42	64.7	Upwind
08/10/04	Station 2 (TWA)	9:42	78.5	Upwind
08/10/04	Station 1 (conc)	10:18	110.8	Downwind
08/10/04	Station 1 (TWA)	10:18	138.2	Downwind
08/10/04	Station 2 (conc)	10:20	68.4	Upwind
08/10/04	Station 2 (TWA)	10:20	77.1	Upwind
08/10/04	Station 1 (conc)	10:43	135.7	Downwind
08/10/04	Station 1 (TWA)	10:43	133.9	Downwind
08/10/04	Station 2 (conc)	10:44	72.3	Upwind
08/10/04	Station 2 (TWA)	10:44	75.7	Upwind
08/10/04	Station 1 (conc)	11:15	131.5	Downwind
08/10/04	Station 1 (TWA)	11:15	132.6	Downwind
08/10/04	Station 2 (conc)	11:18	78.1	Upwind
08/10/04	Station 2 (TWA)	11:18	75.1	Upwind
08/10/04	Station 1 (conc)	11:45	126.7	Downwind
08/10/04	Station 1 (TWA)	11:45	131.8	Downwind
08/10/04	Station 2 (conc)	11:50	70.7	Upwind
08/10/04	Station 2 (TWA)	11:50	74.3	Upwind
08/10/04	Station 1 (conc)	12:20	138.3	Downwind
08/10/04	Station 1 (TWA)	12:20	130.2	Downwind
08/10/04	Station 2 (conc)	12:23	72.6	Upwind
08/10/04	Station 2 (TWA)	12:23	74.2	Upwind
08/10/04	Station 1 (conc)	12:50	124.7	Downwind
08/10/04	Station 1 (TWA)	12:50	129.2	Downwind
08/10/04	Station 2 (conc)	12:55	50.6	Upwind
08/10/04	Station 2 (TWA)	12:55	72.6	Upwind

Table A-2.
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
07/21/04	Station 1	11:45	0.0	JH
07/21/04	Station 2	11:45	0.0	JH
07/21/04	Station 1	12:02	0.0	JH
07/21/04	Station 2	11:55	0.0	JH
07/21/04	Station 1	12:20	0.0	JH
07/21/04	Station 2	12:25	0.0	JH
07/21/04	Station 1	12:35	0.0	JH
07/21/04	Station 1	12:50	0.0	JH
07/21/04	Station 2	12:55	0.0	JH
07/21/04	Station 2	13:00	0.0	JH
07/21/04	Station 1	13:10	0.0	JH
07/21/04	Station 1	13:24	0.0	JH
07/21/04	Station 2	13:28	0.0	JH
07/21/04	Station 2	13:35	0.0	JH
07/21/04	Station 1	13:38	0.0	JH
07/21/04	Station 1	13:50	0.0	JH
07/21/04	Station 2	13:55	0.0	JH
07/21/04	Station 1	14:55	0.0	JH
07/22/04	Station 2	6:30	0.0	JH
07/22/04	Station 1	6:25	0.0	JH
07/22/04	Station 1	7:00	0.0	JH
07/22/04	Station 2	7:05	0.0	JH
07/22/04	Station 1	7:14	0.0	JH
07/22/04	Station 1	7:31	0.0	JH
07/22/04	Station 2	7:35	0.0	JH
07/22/04	Station 2	7:45	0.0	JH
07/22/04	Station 1	7:48	0.0	JH
07/22/04	Station 1	7:48	0.0	JH
07/22/04	Station 2	8:01	0.0	JH
07/22/04	Station 2	8:01	0.0	JH
07/22/04	Station 1	8:05	0.0	JH
07/22/04	Station 1	8:05	0.0	JH
07/22/04	Station 2	8:28	0.0	JH
07/22/04	Station 1	8:38	0.0	JH
07/22/04	Station 2	8:55	0.0	JH
07/22/04	Station 1	9:06	0.0	JH
07/22/04	Station 2	9:29	0.0	JH
07/22/04	Station 1	9:40	0.0	JH
07/22/04	Station 2	9:57	0.0	JH
07/22/04	Station 1	10:07	0.0	JH
07/22/04	Station 2	10:33	0.0	JH
07/22/04	Station 1	10:41	0.0	JH
07/22/04	Station 2	10:58	0.0	JH
07/22/04	Station 1	11:06	0.0	JH
07/22/04	Station 2	11:25	0.0	JH
07/22/04	Station 2	11:58	0.0	JH
07/22/04	Station 1	12:06	0.0	JH

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
07/22/04	Station 2	12:25	0.0	JH
07/22/04	Station 1	12:32	0.0	JH
07/22/04	Station 2	12:56	0.0	JH
07/22/04	Station 1	13:03	0.0	JH
07/22/04	Station 2	13:25	0.0	JH
07/22/04	Station 1	13:28	0.0	JH
07/22/04	Station 2	13:35	0.0	JH
07/22/04	Station 1	13:45	0.0	JH
07/23/04	Station 1	6:05	0.0	JH
07/23/04	Station 2	6:06	0.0	JH
07/23/04	Station 2	6:30	0.0	JH
07/23/04	Station 1	6:42	0.0	JH
07/23/04	Station 2	7:00	0.0	JH
07/23/04	Station 1	7:07	0.0	JH
07/23/04	Station 2	7:30	0.0	JH
07/23/04	Station 1	7:33	0.0	JH
07/23/04	Station 2	7:56	0.0	JH
07/23/04	Station 1	8:02	0.0	JH
07/23/04	Station 2	8:25	0.0	JH
07/23/04	Station 1	8:31	0.0	JH
07/23/04	Station 2	8:55	0.0	JH
07/23/04	Station 1	9:11	0.0	JH
07/23/04	Station 2	9:29	0.0	JH
07/23/04	Station 1	9:38	0.0	JH
07/23/04	Station 2	9:58	0.0	JH
07/23/04	Station 1	10:07	0.0	JH
07/23/04	Station 2	10:28	0.0	JH
07/23/04	Station 1	10:37	0.0	JH
07/23/04	Station 2	10:57	0.0	JH
07/23/04	Station 1	11:00	0.0	JH
07/23/04	Station 2	11:28	0.0	JH
07/23/04	Station 1	11:36	0.0	JH
07/23/04	Station 2	11:55	0.0	JH
07/23/04	Station 1	12:03	0.0	JH
07/23/04	Station 2	12:25	0.0	JH
07/23/04	Station 1	12:33	0.0	JH
07/23/04	Station 2	13:02	0.0	JH
07/23/04	Station 1	13:10	0.0	JH
07/23/04	Station 2	13:25	0.0	JH
07/23/04	Station 1	13:33	0.0	JH
07/26/04	Station 1	7:47	0.0	JH
07/26/04	Station 2	7:49	0.0	JH
07/26/04	Station 2	8:08	0.0	JH
07/26/04	Station 1	8:18	0.0	JH
07/26/04	Station 2	8:34	0.0	JH
07/26/04	Station 1	8:42	0.0	JH
07/26/04	Station 2	9:10	0.0	JH

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
07/26/04	Station 1	9:15	0.0	JH
07/26/04	Station 2	9:45	0.0	JH
07/26/04	Station 1	9:58	0.0	JH
07/26/04	Station 2	10:17	0.0	JH
07/26/04	Station 1	10:25	0.0	JH
07/26/04	Station 2	10:45	0.0	JH
07/26/04	Station 1	10:56	0.0	JH
07/26/04	Station 2	11:10	0.0	JH
07/26/04	Station 1	11:20	0.0	JH
07/26/04	Station 2	11:35	0.0	JH
07/26/04	Station 1	11:46	0.0	JH
07/26/04	Station 2	12:06	0.0	JH
07/26/04	Station 1	12:17	0.0	JH
07/26/04	Station 2	12:38	0.0	JH
07/26/04	Station 1	12:48	0.0	JH
07/26/04	Station 2	13:06	0.0	JH
07/26/04	Station 1	13:14	0.0	JH
07/26/04	Station 2	13:30	0.0	JH
07/26/04	Station 1	13:39	0.0	JH
07/26/04	Station 2	13:59	0.0	JH
07/26/04	Station 1	14:06	0.0	JH
07/26/04	Station 2	14:14	0.0	JH
07/26/04	Station 1	14:21	0.0	JH
07/27/04	Station 1	6:10	0.0	JH
07/27/04	Station 2	6:12	0.0	JH
07/27/04	Station 2	6:39	0.0	JH
07/27/04	Station 1	6:55	0.0	JH
07/27/04	Station 2	7:03	0.0	JH
07/27/04	Station 1	7:19	0.0	JH
07/27/04	Station 2	7:33	0.0	JH
07/27/04	Station 1	7:48	0.0	JH
07/27/04	Station 2	8:04	0.0	JH
07/27/04	Station 1	8:07	0.0	JH
07/27/04	Station 2	8:34	0.0	JH
07/27/04	Station 1	8:42	0.0	JH
07/27/04	Station 2	9:03	0.0	JH
07/27/04	Station 1	9:12	0.0	JH
07/27/04	Station 2	9:30	0.0	JH
07/27/04	Station 1	9:35	0.0	JH
07/27/04	Station 2	10:02	0.0	JH
07/27/04	Station 1	10:07	0.0	JH
07/27/04	Station 2	10:28	0.0	JH
07/27/04	Station 1	10:30	0.0	JH
07/27/04	Station 2	11:03	0.0	JH
07/27/04	Station 1	11:11	0.0	JH
07/27/04	Station 2	11:30	0.0	JH
07/27/04	Station 1	11:35	0.0	JH

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
07/28/04	Station 1	6:07	0.0	JH
07/28/04	Station 2	6:11	0.0	JH
07/28/04	Station 1	6:38	0.0	JH
07/28/04	Station 2	6:42	0.0	JH
07/28/04	Station 1	7:05	0.0	JH
07/28/04	Station 2	7:07	0.0	JH
07/28/04	Station 1	7:30	0.0	JH
07/28/04	Station 2	7:32	0.0	JH
07/28/04	Station 1	8:01	0.0	JH
07/28/04	Station 2	8:04	0.0	JH
07/28/04	Station 1	8:31	0.0	JH
07/28/04	Station 2	8:34	0.0	JH
07/28/04	Station 1	9:05	0.0	JH
07/28/04	Station 2	9:08	0.0	JH
07/28/04	Station 1	9:30	0.0	JH
07/28/04	Station 2	9:33	0.0	JH
07/28/04	Station 1	9:55	0.0	JH
07/28/04	Station 2	9:58	0.0	JH
07/28/04	Station 1	10:28	0.0	JH
07/28/04	Station 2	10:31	0.0	JH
07/28/04	Station 1	11:04	0.0	JH
07/28/04	Station 2	11:08	0.0	JH
07/28/04	Station 1	11:44	0.0	JH
07/28/04	Station 2	11:48	0.0	JH
07/28/04	Station 1	12:17	0.0	JH
07/28/04	Station 2	12:20	0.0	JH
07/28/04	Station 1	12:40	0.0	JH
07/28/04	Station 2	12:43	0.0	JH
07/28/04	Station 1	13:26	0.0	JH
07/28/04	Station 2	13:29	0.0	JH
07/28/04	Station 1	13:56	0.0	JH
07/28/04	Station 2	13:58	0.0	JH
07/29/04	Station 1	6:01	0.0	JH
07/29/04	Station 2	6:11	0.0	JH
07/29/04	Station 1	6:37	0.0	JH
07/29/04	Station 2	6:48	0.0	JH
07/29/04	Station 1	7:07	0.0	JH
07/29/04	Station 2	7:10	0.0	JH
07/29/04	Station 1	7:37	0.0	JH
07/29/04	Station 2	7:40	0.0	JH
07/29/04	Station 1	8:04	0.0	JH
07/29/04	Station 2	8:11	0.0	JH
07/29/04	Station 1	8:34	0.0	JH
07/29/04	Station 2	8:40	0.0	JH
07/29/04	Station 1	9:10	0.0	JH
07/29/04	Station 2	9:17	0.0	JH
07/29/04	Station 1	9:38	0.0	JH

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
07/29/04	Station 2	9:43	0.0	JH
07/29/04	Station 1	10:04	0.0	JH
07/29/04	Station 2	10:09	0.0	JH
07/29/04	Station 1	10:35	0.0	JH
07/29/04	Station 2	10:41	0.0	JH
07/29/04	Station 1	11:00	0.0	JH
07/29/04	Station 2	11:06	0.0	JH
07/29/04	Station 1	11:30	0.0	JH
07/29/04	Station 2	11:33	0.0	JH
07/29/04	Station 1	11:56	0.0	JH
07/29/04	Station 2	12:00	0.0	JH
07/29/04	Station 1	12:32	0.0	JH
07/29/04	Station 2	12:43	0.0	JH
07/29/04	Station 1	12:58	0.0	JH
07/29/04	Station 2	13:00	0.0	JH
07/29/04	Station 1	13:30	0.0	JH
07/29/04	Station 2	13:38	0.0	JH
07/29/04	Station 1	14:03	0.0	JH
07/29/04	Station 2	14:14	0.0	JH
07/30/04	Station 1	6:00	0.0	KO
07/30/04	Station 2	6:07	0.0	KO
07/30/04	Station 1	6:28	0.0	KO
07/30/04	Station 2	6:32	0.0	KO
07/30/04	Station 1	7:00	0.0	KO
07/30/04	Station 2	7:03	0.0	KO
07/30/04	Station 1	7:25	0.0	KO
07/30/04	Station 2	7:28	0.0	KO
07/30/04	Station 1	7:53	0.0	KO
07/30/04	Station 2	7:56	0.0	KO
07/30/04	Station 1	8:23	0.0	KO
07/30/04	Station 2	8:25	0.0	KO
07/30/04	Station 1	8:54	0.0	KO
07/30/04	Station 2	8:57	0.0	KO
07/30/04	Station 1	9:23	0.0	KO
07/30/04	Station 2	9:27	0.0	KO
07/30/04	Station 1	9:52	0.0	KO
07/30/04	Station 2	9:54	0.0	KO
07/30/04	Station 1	10:22	0.0	KO
07/30/04	Station 2	10:25	0.0	KO
07/30/04	Station 1	10:51	0.0	KO
07/30/04	Station 2	10:59	0.0	KO
07/30/04	Station 1	11:21	0.0	KO
07/30/04	Station 2	11:23	0.0	KO
07/30/04	Station 1	11:50	0.0	KO
07/30/04	Station 2	11:53	0.0	KO
07/30/04	Station 1	12:31	0.0	KO
07/30/04	Station 2	12:33	0.0	KO

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
07/30/04	Station 1	12:50	0.0	KO
07/30/04	Station 2	12:55	0.0	KO
08/02/04	Station 1	5:56	0.4	JH
08/02/04	Station 2	5:58	0.0	KO
08/02/04	Station 1	6:28	0.0	JH
08/02/04	Station 2	6:30	0.0	KO
08/02/04	Station 1	7:00	0.0	JH
08/02/04	Station 2	7:02	0.0	JH
08/02/04	Station 1	7:31	0.0	JH
08/02/04	Station 2	7:34	0.0	JH
08/02/04	Station 1	8:00	0.0	JH
08/02/04	Station 2	8:02	0.0	JH
08/02/04	Station 1	8:33	0.0	JH
08/02/04	Station 2	8:34	0.0	JH
08/02/04	Station 1	9:02	0.0	KO
08/02/04	Station 2	9:05	0.0	KO
08/02/04	Station 1	9:26	0.0	KO
08/02/04	Station 2	9:29	0.0	KO
08/02/04	Station 1	10:01	0.0	KO
08/02/04	Station 2	10:05	0.0	KO
08/02/04	Station 1	10:33	0.0	JH
08/02/04	Station 2	10:35	0.0	JH
08/02/04	Station 1	10:57	0.0	KO
08/02/04	Station 2	11:00	0.0	KO
08/02/04	Station 1	11:30	0.0	KO
08/02/04	Station 2	11:31	0.0	KO
08/02/04	Station 1	11:57	0.0	KO
08/02/04	Station 2	11:59	0.0	KO
08/02/04	Station 1	12:39	0.0	KO
08/02/04	Station 2	12:42	0.0	KO
08/02/04	Station 1	13:22	0.0	KO
08/02/04	Station 2	13:24	0.0	KO
08/03/04	Station 1	9:48	0.0	JH
08/03/04	Station 2	9:50	0.0	JH
08/03/04	Station 1	10:29	0.0	KO
08/03/04	Station 2	10:30	0.0	KO
08/03/04	Station 1	10:47	0.0	KO
08/03/04	Station 2	10:48	0.0	KO
08/03/04	Station 2	11:23	0.0	KO
08/03/04	Station 1	11:24	0.0	KO
08/03/04	Station 2	11:49	0.0	KO
08/03/04	Station 1	11:50	0.0	KO
08/03/04	Station 2	13:10	0.0	KO
08/03/04	Station 1	13:10	0.0	KO
08/03/04	Station 2	13:40	0.0	KO
08/03/04	Station 1	13:44	0.0	KO
08/03/04	Station 2	14:20	0.0	KO

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
08/03/04	Station 1	14:20	0.0	KO
08/03/04	Station 2	14:51	0.0	KO
08/03/04	Station 1	14:55	0.0	KO
08/03/04	Station 2	15:30	0.0	KO
08/03/04	Station 1	15:32	0.0	KO
08/04/04	Station 1	8:06	0.0	KO
08/04/04	Station 2	8:09	0.0	KO
08/04/04	Station 1	8:40	0.0	KO
08/04/04	Station 2	8:42	0.0	KO
08/04/04	Station 1	9:18	0.0	KO
08/04/04	Station 2	9:25	0.0	KO
08/04/04	Station 1	10:01	0.0	KO
08/04/04	Station 2	10:06	0.0	KO
08/04/04	Station 1	10:31	0.0	KO
08/04/04	Station 2	10:36	0.0	KO
08/04/04	Station 1	11:01	0.0	KO
08/04/04	Station 2	11:06	0.0	KO
08/05/04	Station 1	7:25	0.0	KO
08/05/04	Station 2	7:28	0.0	KO
08/05/04	Station 1	8:08	0.0	KO
08/05/04	Station 2	8:16	0.0	KO
08/05/04	Station 1	8:44	0.0	KO
08/05/04	Station 2	8:50	0.0	KO
08/05/04	Station 1	9:29	0.0	KO
08/05/04	Station 2	9:33	0.0	KO
08/05/04	Station 1	10:01	0.0	KO
08/05/04	Station 2	10:03	0.0	KO
08/05/04	Station 1	10:33	0.0	KO
08/05/04	Station 2	10:35	0.0	KO
08/05/04	Station 1	10:57	0.0	KO
08/05/04	Station 2	11:01	0.0	KO
08/05/04	Station 1	11:31	0.0	KO
08/05/04	Station 2	11:35	0.0	KO
08/05/04	Station 1	12:01	0.0	KO
08/05/04	Station 2	12:02	0.0	KO
08/05/04	Station 1	12:33	0.0	KO
08/05/04	Station 2	12:39	0.0	KO
08/05/04	Station 1	12:59	0.0	KO
08/05/04	Station 2	12:59	0.0	KO
08/05/04	Station 1	13:30	0.0	KO
08/05/04	Station 2	13:33	0.0	KO
08/05/04	Station 1	13:57	0.0	KO
08/05/04	Station 2	14:02	0.0	KO
08/05/04	Station 1	14:30	0.0	KO
08/05/04	Station 2	14:37	0.0	KO
08/05/04	Station 1	15:01	0.0	KO
08/05/04	Station 2	15:03	0.0	KO

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
08/06/04	Station 1	8:10	0.0	KO
08/06/04	Station 2	8:12	0.0	KO
08/06/04	Station 1	8:43	0.0	KO
08/06/04	Station 2	8:51	0.0	KO
08/06/04	Station 1	9:14	0.0	KO
08/06/04	Station 2	9:16	0.0	KO
08/06/04	Station 1	9:48	0.0	KO
08/06/04	Station 2	9:50	0.0	KO
08/06/04	Station 1	10:31	0.0	KO
08/06/04	Station 2	10:32	0.0	KO
08/06/04	Station 1	10:55	0.0	KO
08/06/04	Station 2	10:57	0.0	KO
08/06/04	Station 1	11:25	0.0	KO
08/06/04	Station 2	11:26	0.0	KO
08/06/04	Station 1	11:52	0.0	KO
08/06/04	Station 2	11:55	0.0	KO
08/06/04	Station 1	12:30	0.0	KO
08/06/04	Station 2	12:38	0.0	KO
08/06/04	Station 1	13:08	0.0	KO
08/06/04	Station 2	13:10	0.0	KO
08/06/04	Station 1	13:30	0.0	KO
08/06/04	Station 2	13:32	0.0	KO
08/06/04	Station 1	13:55	0.0	KO
08/06/04	Station 2	13:56	0.0	KO
08/06/04	Station 1	14:30	0.0	KO
08/06/04	Station 2	14:33	0.0	KO
08/06/04	Station 1	15:06	0.0	KO
08/06/04	Station 2	15:08	0.0	KO
08/06/04	Station 1	15:25	0.0	KO
08/06/04	Station 2	15:28	0.0	KO
08/06/04	Station 1	16:01	0.0	KO
08/06/04	Station 2	16:03	0.0	KO
08/09/04	Station 1	7:57	0.0	KO
08/09/04	Station 2	7:59	0.0	KO
08/09/04	Station 1	8:24	0.0	KO
08/09/04	Station 2	8:28	0.0	KO
08/09/04	Station 1	8:53	0.0	KO
08/09/04	Station 2	8:57	0.0	KO
08/09/04	Station 1	9:25	0.0	KO
08/09/04	Station 2	9:29	0.0	KO
08/09/04	Station 1	9:50	0.0	KO
08/09/04	Station 2	9:52	0.0	KO
08/09/04	Station 1	10:26	0.0	KO
08/09/04	Station 2	10:28	0.0	KO
08/09/04	Station 1	10:54	0.0	KO
08/09/04	Station 2	10:57	0.0	KO
08/09/04	Station 1	11:28	0.0	KO

Table A-2 (continued).
Summary of Organic Vapor Monitoring Results for the Phase 1 IRM at Operable Unit 2 of the Spaulding Composites Site.

Date	Sample ID	Time	Result (ppm)	Initials
08/09/04	Station 2	11:30	0.0	KO
08/09/04	Station 1	11:52	0.0	KO
08/09/04	Station 2	11:56	0.0	KO
08/09/04	Station 1	12:33	0.0	KO
08/09/04	Station 2	12:35	0.0	KO
08/09/04	Station 1	13:05	0.0	KO
08/09/04	Station 2	13:08	0.0	KO
08/09/04	Station 1	13:32	0.0	KO
08/09/04	Station 2	13:33	0.0	KO
08/09/04	Station 1	14:05	0.0	KO
08/09/04	Station 2	14:08	0.0	KO
08/09/04	Station 1	14:39	0.0	KO
08/09/04	Station 2	14:41	0.0	KO
08/09/04	Station 1	15:10	0.0	KO
08/09/04	Station 2	15:12	0.0	KO
08/09/04	Station 1	15:40	0.0	KO
08/09/04	Station 2	15:45	0.0	KO
08/10/04	Station 1	8:14	0.0	KO
08/10/04	Station 2	8:18	0.0	KO
08/10/04	Station 1	8:42	0.0	KO
08/10/04	Station 2	8:45	0.0	KO
08/10/04	Station 1	9:15	0.0	KO
08/10/04	Station 2	9:18	0.0	KO
08/10/04	Station 1	9:40	0.0	KO
08/10/04	Station 2	9:42	0.0	KO
08/10/04	Station 1	10:18	0.0	KO
08/10/04	Station 2	10:20	0.0	KO
08/10/04	Station 1	10:43	0.0	KO
08/10/04	Station 2	10:45	0.0	KO
08/10/04	Station 1	11:15	0.0	KO
08/10/04	Station 2	11:18	0.0	KO
08/10/04	Station 1	11:45	0.0	KO
08/10/04	Station 2	11:50	0.0	KO
08/10/04	Station 1	12:20	0.0	KO
08/10/04	Station 2	12:23	0.0	KO
08/10/04	Station 1	12:50	0.0	KO
08/10/04	Station 2	12:56	0.0	KO