FORMER STEWART STAMPING SITE
630 CENTRAL PARK AVENUE
YONKERS, NEW YORK 10704

Site Management Plan

NYSDEC VCP Site Number: V00691-3
NYSDEC VCA Index Number: W3-1005-04-06

Submitted to:
New York State Department of Environmental Conservation
Region 3, New Paltz, New York

Prepared for:
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Revisions to Final Approved Site Management Plan:

Revision #	Submitted Date	Summary of Revision	DEC Approval Date

October 21, 2011

CERTIFICATION

I, David S. Glass, certify that I am currently a New York State registered professional engineer and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plans and any DER-approved modifications.

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David S. Glass, P.E.

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1.0 INTRODUCTION AND DESCRIPTION OF REMEDIAL PROGRAM

1.1 INTRODUCTION

This document is required as an element of the remedial program for the Former Stewart Stamping Site (hereinafter referred to as the "Site") under the New York State (NYS) Voluntary Cleanup Program (VCP) administered by New York State Department of Environmental Conservation (NYSDEC). The Site was investigated, and engineering and institutional controls have been implemented in accordance with Voluntary Cleanup Agreement (VCA) Index No. W3-1005-04-06, VCP Site No. V00691-3, which was executed on July 16, 2004 and last amended on September 3, 2010.

1.1.1 General

Stewart EFI New York, LLC (Stewart EFI) entered into a VCA with the NYSDEC to remediate an approximately 4-acre property located in Yonkers, Westchester County, New York. This VCA required the Volunteer, Stewart EFI, to investigate and implement activities designed to address contaminated media at the Site. A figure showing the Site location and boundaries of this approximately 4-acre Site is provided in Figures 1 and 2. The boundaries of the Site are more fully described in the metes and bounds Site description that is part of the deed restriction (refer to Appendix B).

After completion of the work described in the NYSDEC-approved Vapor Intrusion Mitigation Work Plan dated June 18, 2010 and Remedial Investigation and Remedial Alternative Analysis Report dated August 2011, some contamination was left in the subsurface at this Site, which is hereafter referred to as "remaining contamination." This Site Management Plan (SMP) was prepared to manage remaining contamination at the Site until the deed restriction is extinguished in accordance with Environmental Conservation Law (ECL) Article 71, Title 36. All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State (refer to Appendix C for prior reports).

This SMP was prepared by TRC Engineers, Inc. (TRC), on behalf of Stewart EFI, in accordance with the requirements in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010, and the guidelines provided by NYSDEC. This SMP addresses the means for implementing the Institutional Controls (ICs) and Engineering Controls (ECs) that are required by the deed restriction for the Site.

1.1.2 Purpose

The Site contains contamination left after completion of the remedial activities. Engineering Controls have been incorporated into the Site remedy to control exposure to remaining contamination during the use of the Site to ensure protection of public health and the environment. A deed restriction placed upon the property, and recorded with the Westchester County Clerk, will require compliance with this SMP and all ECs and ICs placed on the Site. The ICs place restrictions on Site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs. This SMP specifies the methods necessary to ensure compliance with all ECs and ICs required by the deed restriction for contamination that remains at the Site. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the deed restriction and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

This SMP provides a detailed description of all procedures required to manage remaining contamination at the Site after completion of the Remedial Action, including: (1) implementation and management of all Engineering and Institutional Controls; (2) media monitoring; (3) operation and maintenance of the sub-slab depressurization system (SSDS); (4) performance of periodic inspections, certification of results, and submittal of Periodic Review Reports; and (5) defining criteria for termination of SSDS operations.

To address these needs, this SMP includes three plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; (2) a Monitoring Plan for implementation of Site Monitoring; and (3) an Operation and Maintenance Plan for the installed SSDS.

This plan also includes a description of Periodic Review Reports for the periodic submittal of data, information, recommendations, and certifications to the NYSDEC.

It is important to note that:

- This SMP details the Site-specific implementation procedures that are required by the deed restriction. Failure to properly implement the SMP is a violation of the deed restriction, which is grounds for revocation of the "Release and Covenant not to Sue/No Further Action Letter";
- Failure to comply with this SMP is also a violation of ECL, 6 New York Codes, Rules and Regulations (NYCRR) Part 375 and the VCA Index No. W3-1005-04-06, VCP Site No. V00691-3, for the Site, and thereby subject to applicable penalties.

1.1.3 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. In accordance with the deed restriction for the Site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.2 SITE BACKGROUND

1.2.1 Site Location and Description

The Site is located in the City of Yonkers in Westchester County, New York and is identified as Section 6, Block 6342, Lot 5; Block 6343, Lots 1, 25, 27, 47, 49, and 51; and Block 6344, Lots 1 and 2 on the City of Yonkers Tax Map. The Site is an approximately 4-acre area bounded by Whittier Avenue and low-rise residential and commercial structures to the north, Kettell Avenue, Huber Place, and low-rise residential and commercial structures to the south, residential structures followed by Trenchard Street to the east, and Central Park Avenue to the west (see Figure 2). The boundaries of the Site are more fully described in Appendix B.

The legal descriptions for the VCP Site, associated addresses and land uses are summarized below.

Table 1
Site Legal Descriptions, Addresses, and Land Uses

Section	Block	Lot	Address	City of Yonkers Zoning Designation	6 NYCRR 375-1.8(g)(2) Restricted Use
6	6342	5	10 Kettell Avenue	BA - General Business and Apartment Houses, High Density	Residential Use
	6343	1	630 Central Park Avenue	I - Industry, Residence Excluded	Industrial Use
		25 and 27	34 Whittier Avenue	I - Industry, Residence Excluded	Industrial Use
		47 and 49	27 Kettell Avenue	I - Industry, Residence Excluded	Industrial Use
		51	21 Kettell Avenue	M - Apartment Houses, Medium Density	Residential Use
	6344	1 and 2	640 and 642 Central Park Avenue	BR - Restricted Business, Residences Excluded	Commercial Use

The Site is improved with:

- An approximately 200,000-square foot two-story Industrial Building and associated approximately 14,000-square foot industrial parking lot;
- One approximately 7,000-square foot commercial parking lot;

- One approximately 15,000-square foot commercial parking lot (zoned for commercial/residential use); and,
- An approximately 7,500-square foot property with an approximately 1,800-square foot two-story residential structure and approximately 750-square foot one-story garage.

A Site Location Map is presented in Figure 1. The VCP Site boundaries and uses are shown in Figure 2. Surrounding properties have been developed primarily for residential and commercial uses. The Site is almost completely covered by impervious structures and pavement and is located in an urbanized area.

1.2.2 Site History

The Site was first developed with the initial portion of the existing Industrial Building reportedly constructed circa 1930 as a warehouse for Wanamaker Department Stores. The initial portion of the Industrial Building was added onto in 1953, 1958, 1974, and 1984. The Site was utilized for metals parts manufacturing by Stewart Stamping, from 1942 until 2008, when manufacturing operations ceased.

The Industrial Building previously housed high-speed stamping metal parts manufacturing processes for automotive and electronics components industries. Finishing processes including plating, polishing, and heat treatment, were also conducted in the Industrial Building. In addition, there are seven closed-in-place underground storage tanks (USTs) beneath the footprint of the Industrial Building that were historically used to store cutting oils for the metals parts manufacturing processes, and fuel oil for heating the building. There are also two active aboveground storage tanks (ASTs) in a containment room on the west side of the Industrial Building that are currently used to store fuel for building heating. The locations of the USTs and ASTs are shown on Figure 7.

The manufacturing operations were a source of regulated air emissions, regulated wastewater discharges, and hazardous waste generation. The materials used in the manufacturing operations included solvents [methylene chloride, 1,1,1-trichloroethane (TCA), trichloroethene (TCE), and tetrachloroethene (PCE)], arsenic, copper, lead, nickel, silver, tin, zinc, coiled steel, steel alloy, plating chemistry, lubricants, and hydraulic oil.

Manufacturing operations ceased in 2008 and the Site is currently unoccupied. The manufacturing equipment has been removed from the Industrial Building and the two-story residential structure and three parking lots are currently unoccupied/not in use.

1.2.3 Geologic Conditions

The geology of Westchester County consists primarily of unconsolidated glacial till deposits overlying crystalline bedrock. Based on the findings of previous investigations and available literature, the subsurface geology in the area of the Site likely includes Manhattan Schist, Fordham Gneiss, and Inwood Marble. Manhattan Schist and Fordham Gneiss are generally found throughout Westchester County in irregular bands and the Inwood Marble occurs as north to south trending bands defining river channels such as the Bronx, Croton, and Saw Mill Rivers. Weathered bedrock has been encountered in soil borings advanced at the Site at depths from 6 to 18 feet below ground surface (bgs). A bedrock surface elevation contour map is presented as Figure 3. Bedrock surface elevation contours indicate that bedrock surface elevation generally decreases to the north. Geologic cross sections are presented as Figure 4 and 5. According to prior reports, the hydraulic conductivity of the bedrock aquifer is very low, and bedrock fractures are poorly transmissive and poorly interconnected.

Prior investigations on the Site found that the unconsolidated glacial till deposits at the Site consist of a mixture of clay, silt, sand, gravel, and boulders. Soil encountered during soil boring advancement in the Industrial Building was found to consist of sand with silt, and gravel. Soil encountered during soil boring advancement on the residential and commercial lots was found to consist primarily of brown, black and gray sand, silt and clay with gravel, concrete, red brick, ash, wood fragments and weathered bedrock.

The Site is located approximately 0.75 miles west of the Bronx River. According to information obtained from prior reports and the Preliminary Supplemental Investigation and Final Supplemental Investigation performed by TRC between April and June 2011, groundwater occurs in shallow bedrock at depths ranging from 12 to 28 feet bgs (or below top of floor slab). Based on topography in the area, nearby surface water bodies, and information obtained from prior reports, the predominant direction of local groundwater flow is expected to be eastward towards the Bronx River. Estimated groundwater levels and/or flow directions may vary due to seasonal fluctuations in precipitation, local usage demands, geology, and underground structures. During the Preliminary Supplemental Investigation groundwater flow direction was found to be towards the east with north and south components, generally consistent with bedrock surface topography (refer to Figures 3 and 8).

1.3 SUMMARY OF PREVIOUS INVESTIGATION FINDINGS

Presented below are brief summaries of the results of the prior investigations performed at the Site. A summary of sampling results are provided in Figures 6 through 8. Soil sampling

locations and summaries of exceedances of 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and 6 NYCRR Part 375 Use-Specific SCOs are shown on Figures 12 and 13, respectively. See attached Tables 11 through 15 for a summary of the soil sampling data, Tables 16 through 20 for groundwater sampling data, Table 21 for air sampling data and Table 22 for Tank Number 2 oil sampling data. The prior reports are provided in Appendix C.

1.3.1 Draft Phase I Environmental Site Assessment and Limited Compliance Review

In 2002, Environmental Resources Management (ERM) conducted a Phase I Environmental Site Assessment and Limited Compliance Review (Phase I ESA) of the Industrial Building and the associated parking lot for the Insilco Corporation, the owner of the Site at that time. The purpose of the Phase I ESA was to evaluate the potential for environmental impacts to the Site as a result of past, or then current, activities on the Site and surrounding properties and perform a limited environmental compliance review.

The ERM "Draft Phase I Environmental Site Assessment and Limited Compliance Review," dated September 2002, reports the following recognized environmental conditions and contaminants of concern in connection with the Industrial Building:

- Plating Chemical Spills (arsenic, nickel, copper, lead, zinc, and silver);
- Chlorinated Solvent Use (methylene chloride, TCE, PCE, and 1,1,1-TCA); and
- Underground Storage Tanks (fuel oil and cutting oil).

There are no other recognized environmental conditions identified in the report.

1.3.2 Phase II Site Investigation

In 2003, ERM conducted a Phase II Site Investigation for the Insilco Corporation. The Phase II Site Investigation included the following field activities in the Industrial Building and the associated parking lot:

- Advancement and sampling of four soil borings (twelve other attempts failed due to a "sub-floor");
- Analysis of five soil samples for volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), priority pollutant metals and cyanide;
- Installation of two bedrock monitoring wells; and,
- Collection and analysis of groundwater samples from three bedrock wells (two new monitoring wells and one existing process water well) for VOCs, PAHs, priority pollutant metals and cyanide.

Soil sampling laboratory analytical data showed no exceedances of 6 NYCRR Part 375 Protection of Public Health Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

Groundwater sampling laboratory analytical data showed no exceedances of New York State Class GA Groundwater Standards and Guidance Values (Class GA Values) for VOCs and semivolatile organic compounds (SVOCs). Arsenic was detected at a concentration of 64.4 micrograms per liter (µg/L), above the Class GA Value of 25 µg/L, in MW-02 and chromium was detected at a concentration of 108 µg/L, above the Class GA Value of 50 µg/L, in MW-03. In addition, zinc was detected at a concentration of 38,800 µg/L in MW-02. The Class GA Value for zinc is 2,000 µg/L. The Phase II Site Investigation analytical laboratory data was not validated.

1.3.3 Voluntary Investigation Report

In 2008, ERM prepared a "Voluntary Investigation Report" for Stewart EFI. The purpose of the report was to summarize the results of soil, groundwater and soil vapor sampling performed at the Site and on surrounding properties.

The Voluntary Investigation Report, dated September 2008, presents descriptions and the results of the following field activities:

- Advancement and sampling of nine soil borings;
- Analysis of ten soil samples for target compound list (TCL) VOCs;
- Analysis of four soil samples and one sludge sample for TCL VOCs, target analyte metals (TAL) metals, and cyanide;
- Installation of two bedrock monitoring wells;
- Collection and analysis of groundwater samples from five bedrock wells (two new monitoring wells, two existing monitoring wells and one existing process water well) for VOCs, PAHs, TAL metals and cyanide;
- Collection and analysis for VOCs of nine sub-slab soil vapor samples under the Industrial Building;
- Collection and analysis for VOCs of nine soil vapor samples around the perimeter of the Industrial Building;
- Collection and analysis for VOCs of seven indoor air and seven soil vapor samples in surrounding homes as part of a New York State Department of Health (NYSDOH) required off-site soil vapor intrusion study; and,

- Collection and analysis for VOCs of three outdoor air samples near surrounding homes as part of a NYSDOH required off-site soil vapor intrusion study.

Soil sampling laboratory analytical data showed no exceedances of Industrial Use SCOs. The VOCs methylene chloride, 2-butanone and acetone were detected in soil at concentrations slightly above the Protection of Groundwater SCOs. The metals cadmium, nickel, and silver were also detected in soil at concentrations slightly above the Protection of Groundwater SCOs. The metals cadmium, copper, lead, nickel, and silver were detected in soil at concentrations slightly above the Unrestricted Use SCOs.

Groundwater sampling laboratory analytical data showed no exceedances of Class GA Values for SVOCs or cyanide. Naturally occurring metals (iron, magnesium, manganese and sodium) were detected at concentrations above Class GA Values. Thallium was also detected at concentrations slightly above the Class GA Value in two monitoring wells, although this appears to be related to a background condition. Arsenic, cadmium and nickel were detected at concentrations slightly above Class GA Values. Zinc was detected in MW-02 at a concentration of 35,700 µg/L above the Class GA Value of 2,000 µg/L. The VOCs chloroform, at a concentration of 240 µg/L, and TCE, at a concentration of 54 µg/L, were detected at concentrations slightly above the Class GA Values of 7 µg/l and 5 µg/L, respectively near the downgradient (northeast) corner of the Site. As mentioned above, a summary of the soil and groundwater sampling data from the Voluntary Investigation Report is provided on Figure 6.

Based on the NYSDOH Soil Vapor Intrusion Guidance, soil vapor sampling laboratory analytical data revealed elevated levels of PCE, TCE and 1,1,1-TCA in sub-slab and soil vapor samples collected inside and around the Industrial Building. Vapor intrusion sampling conducted off-site indicated the following:

- 21 Kettell Avenue: Mitigation required (subsequent sampling indicated no further action required);
- 45 Kettell Avenue: Continued monitoring required (subsequent sampling indicated no further action required); and,
- 33 Whittier Avenue: Continued monitoring required (subsequent sampling indicated "take reasonable and practical action to identify source(s) and reduce exposures" [1]).

[1] "Take reasonable and practical action to identify source(s) and reduce exposures" - The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006)

1.3.4 Additional Soil Vapor Sampling and Indoor Air Sampling

In 2009, ERM performed additional soil vapor sampling and indoor air sampling at the Site and surrounding properties. The purpose of the additional sampling was to determine if, based on NYSDOH's October 2006 Soil Vapor Intrusion Guidance (NYSDOH Guidance), mitigation was required at the sample locations. The report was presented to NYSDEC as "Progress Report No. 3," dated February 3, 2010.

Soil vapor and indoor air samples were collected at the following locations:

- 21 Kettell Avenue: One indoor air, one sub-slab soil vapor, and one outdoor air sample were collected and analyzed for VOCs; and,
- Industrial Building: Ten indoor air samples were collected and analyzed for VOCs.

The results of the analyses of the samples collected at 21 Kettell Avenue were compared to the NYSDOH Guidance matrices, which indicated that no further action is required.

The results of the analyses of the samples collected in the Industrial Building were also compared to the NYSDOH Guidance matrices. TCE was detected in ambient air at concentrations between 3.3 and 35 micrograms per cubic meter ($\mu g/m^3$), which, when compared to NYSDOH Guidance matrices, indicated that mitigation was required for the Industrial Building.

In 2010 ERM performed additional sub-slab vapor, outdoor air and indoor air sampling at 33 Whittier Avenue and 45 Kettell Avenue. The purpose of the additional sampling was to determine if, based on NYSDOH Guidance, continued monitoring was required at the sample locations. The results of the sampling were presented to NYSDEC as "Project Progress Report – Activities through March 2010" dated May 19, 2010.

Sub-slab vapor, outdoor air and indoor air samples were collected as follows:

- 45 Kettell Avenue: One indoor air, one sub-slab soil vapor, and one outdoor air sample were collected and analyzed for VOCs; and,
- 33 Whittier Avenue: One indoor air, one sub-slab soil vapor, and one outdoor air sample were collected and analyzed for VOCs.

The results of the analyses of the samples collected at 45 Kettell Avenue and 33 Whittier Avenue were compared to the NYSDOH Guidance matrices, which indicated that the 45 Kettell Avenue property requires no further action and the 33 Whittier property requires "reasonable and practical action to identify source(s) and reduce exposure". The 33 Whittier indoor air quality results were generally higher than the sub-slab vapor sampling results, suggesting interference

from products (e.g., cleaning supplies, paints, etc.) stored and used within the residence (also refer to the footnote which modifies the last bullet in Section 1.3.4 above).

1.3.5 Final Vapor Intrusion Mitigation System Completion Report

A pilot study work plan for installation of a SSDS in the Industrial Building was prepared by TRC and submitted to NYSDEC in February 2010. In March 2010 sub-slab pressure field pilot testing was performed by TRC and in June 2010 a work plan for installation of a full-scale SSDS in the Industrial Building was submitted to NYSDEC. A full-scale SSDS was installed in the Industrial Building under the supervision of TRC in 2010. Testing of the SSDS was completed by TRC in August 2010. In November 2010, on behalf of Stewart EFI, TRC submitted to the NYSDEC a Final Vapor Intrusion Mitigation System Completion Report for the Industrial Building. The purpose of the report was to document the installation and results of the testing of the SSDS in the Industrial Building. As documented in the Final Vapor Intrusion Mitigation System Completion Report, pressure field testing performed after installation of the SSDS showed that the Industrial Building sub-slab vapor had been successfully depressurized. Additionally, as part of the testing, eight (8) indoor air samples were collected inside the Industrial Building and analyzed for VOCs. The results of the analyses of the indoor air samples showed that TCE concentrations had been reduced by an order of magnitude when compared to the results of indoor air sampling performed prior to installation of the SSDS. The NYSDEC approved the Final Vapor Intrusion Mitigation System Completion Report in a letter dated December 10, 2010.

1.3.6 Preliminary Supplemental Investigation Report

The Preliminary Supplemental Investigation performed by TRC in April and May 2011, included the following field activities:

- Geophysical surveys to identify the portions of the former process wastewater drainage system beneath the Industrial Building floor slabs, confirm the locations and identify the dimensions of USTs inside the Industrial Building, and verify that the proposed soil boring locations were clear of subsurface utilities and structures;
- Visual surveys and mapping of the former process wastewater drainage system;
- Advancement to bedrock surface and continuous soil sampling of six soil borings on the residential and commercial lots which are part of the Site;
- Analysis of thirteen soil samples for TCL VOCs +10 tentatively identified compounds (TICs), TCL SVOCs +20 TICs, TAL metals plus cyanide, TCL polychlorinated biphenyls (PCBs), and TCL pesticides;

- Collection of one groundwater sample from each of the five existing bedrock monitoring wells and analysis of each sample for TCL VOCs +10 TICs, TCL SVOCs +20 TICs, filtered and unfiltered TAL metals and cyanide (unfiltered), TCL PCBs, and TCL pesticides; and,
- Survey by a licensed land surveyor of the soil sampling locations and monitoring wells.

The results of the Preliminary Supplemental Investigation are presented in a report dated May 13, 2011, which was approved by the NYSDEC on June 9, 2011, and is in Appendix C of this SMP. In addition, a summary of the results is presented below.

The results of the Preliminary Supplemental Investigation indicate the following:

- The scattered geophysical anomalies detected on the residential and commercial lots are likely representative of unconsolidated soils, former building remnants and utilities. There were no indications of the presence of an UST on either the commercial/residential or the commercial lot.
- Consistent with historic records, seven closed-in-place USTs were identified beneath the footprint of the Industrial Building. The locations and approximate dimensions of the closed-in-place USTs have been mapped. The locations of the USTs are shown on Figure 7.
- The former process wastewater drainage system located in the Industrial Building was mapped via geophysical and visual surveys. It was determined that the floor and trench drains and sub-slab piping drain to the sanitary sewer and sumps. The surveys confirmed that the sumps do not have outlets or drains, with the exception of one sump in the former Maintenance Equipment area which is connected to the sanitary sewer. Oil was found in one floor drain, one house trap, and one sump in the former North Press Room and a sludge-like material was found in a pit in the former Plating Room. Stewart EFI subsequently arranged for United Industrial Services to remove the oil and sludge in the floor drain, house trap, sump and the pit in the former North Press Room and Plating Room. Refer to Section 1.3.8 below regarding the removal and off-Site disposal of oil and sludge.
- Soil on the commercial/residential and commercial lots was found to consist primarily of brown, black and gray sand, silt and clay with gravel, concrete, red brick, ash, wood fragments and weathered bedrock. Bedrock was encountered in the soil borings at depths from 12 to 17 feet bgs. Field observations indicated evidence of potentially impacted soil in one sample collected from one of the six soil borings. The sample collected 2 to 4 feet bgs from TRC-SB3 exhibited photoionization detector (PID) readings up to 5.7 parts per million (ppm) (and was submitted for laboratory analysis). There was no staining or odors noted in the borings and no separate phase liquids (e.g., fuel oil, gasoline) identified in the soil.
- With respect to the soil samples collected on the residential and commercial lots and submitted for analysis, there were no VOCs, SVOCs, PCBs, pesticides or cyanide detected at a concentration exceeding the Residential Use, Commercial Use, and

Protection of Groundwater SCOs. One metal (mercury) was detected at a concentration above the Residential Use SCO of 0.18 mg/kg and the Protection of Groundwater SCO of 0.73 mg/kg in one soil sample TRC-SB3(2-4"), at a concentration of 1.7 mg/kg. The concentration of mercury detected in the sample above the Residential Use SCO can be attributed to the characteristics of urban fill material found at the Site. Acetone, cadmium, chromium, copper, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, dieldrin, lead, mercury, PCBs, and zinc, were detected at concentrations above the Unrestricted Use SCOs (refer to Table 3). Groundwater was encountered in existing Site monitoring wells at depths ranging from approximately 12 to 28 feet bgs (or below top of floor slab). Groundwater surface elevation measurements indicate that groundwater generally follows the local topography and flows outward radially towards the north, east and south from near the center of the Site.

- During gauging with an oil/water interface probe and sampling of the on-Site monitoring wells there was no sheen, odor, or discoloration detected in groundwater. Also, there were no significantly elevated PID headspace readings (greater than 0.1 ppm above background) recorded during collection of groundwater samples.
- There were no VOCs, SVOCs, PCBs, or pesticides detected at a concentration exceeding the Class GA Values in the groundwater samples collected from the five monitoring wells. Cyanide was not detected in groundwater above the Class GA Value of 2,000 ug/L. Excluding iron, magnesium, manganese, and sodium, zinc was the only metal detected in groundwater above a Class GA Value. Zinc was detected in filtered and unfiltered samples collected from MW-02 at concentrations of 2,210 µg/L and 2,920 µg/L, respectively. The Class GA Value of zinc is 2,000 µg/L.

Based on the results of the Preliminary Supplemental Investigation, the following was concluded:

- There are seven closed-in-place USTs beneath the footprint of the Industrial Building. There is no evidence of a buried UST on the commercial and commercial/residential lots.
- Process wastewater was formerly discharged to the sanitary sewer system and sumps. Wastewater which collected in sumps was conveyed via pumps and overhead piping to the on-Site wastewater pretreatment system.
- Based on the results of the laboratory analysis, there is no evidence of any releases to soil on the commercial and commercial/residential lots. Mercury was detected in one of the 13 soil samples slightly above the applicable criteria. The sample, TRC-SB3(2-4"), was collected from 2 to 4 inches bgs in the front yard of the residence at 21 Kettell Avenue. The concentration of mercury detected is most likely attributable to the characteristics of the urban fill material found at the Site.
- Based on groundwater surface elevation measurements, the groundwater generally follows the local topography and flows outward radially towards the north, east and south from near the center of the Site.

- There was no evidence of impacts to groundwater found, with the exception of the concentration of zinc detected slightly above the Class GA Value in one monitoring well (MW-02).

Based on the results of the Preliminary Supplemental Investigation, the associated report submitted to NYSDEC on May 13, 2011 recommended the following:

- The results of the Preliminary Supplemental Investigation should be incorporated and included in the Final Supplemental Investigation Work Plan for the Site. The scope of the Final Supplemental Investigation Work Plan should consist of soil sampling around the closed-in-place USTs, in former process areas adjacent to several representative floor drains and in or near several representative sumps and trench drains.
- Following completion of the Final Supplemental Investigation, a comprehensive Remedial Investigation and Remedial Alternative Analysis Report and Site Management Plan (SMP) should be prepared to obtain a release and covenant not to sue under the Voluntary Cleanup Program.

Following submittal of the Preliminary Supplemental Investigation Report to NYSDEC in May 2011, Stewart EFI arranged for removal and off-site disposal of the oil found in one floor drain, one house trap, and one sump in the former North Press Room and a sludge-like material that was found in a pit in the former Plating Room. United Industrial Services removed the waste material, power washed the structures, and containerized all waste and wash liquids. On May 19, 2011, TRC confirmed that the floor drain, house trap, sump, and pit had been properly cleaned and that the waste was properly containerized.

After removal of the sludge and cleaning of the pit was complete, the pit was found to be approximately four feet long and four feet wide and three feet in depth, and have solid concrete walls and a solid concrete bottom. Additionally, a three inch diameter vertical drain pipe extending from the bottom of the pit terminating with a shut off valve was found. TRC and the geophysical survey subcontractor subsequently returned to the Site on May 26, 2010 to trace the drainpipe. The results of the geophysical survey indicated that the pipe runs west from the pit and connects with a sump in the Tumbling Room as shown on Figure 7; that sump was found to contain water. The sump in the former Tumbling Room was found to contain water, which is rainwater that accumulated from a leak in the roof/roof drain. In addition, after issuance of the Preliminary Supplemental Investigation Report, an additional sump in the Scrap Metal Bay was identified and found to contain oil (refer to Figure 7). Stewart EFI has since removed the oil from the sump and on June 19, 2011, TRC observed and confirmed that the sump in the Scrap Metal Bay had been properly cleaned and that the waste was properly containerized.

Stewart EFI arranged for American Environmental Assessment Corp. (American) to clean and decommission the former wastewater treatment plant (WWTP) in September 2011 (refer to Section 5.5). After the cleaning and decommissioning of the former WWTP was completed, the waste generated from previous cleaning activities performed by United Industrial Services and the waste generated from the cleaning and decommissioning of the former WWTP were removed from the Site by American. Non-hazardous petroleum waste including oil and recovered wastewater were removed by a vacuum truck and transported to Environmental Waste Treatment, LLC (EWT) in Farmingdale, New York for treatment and final disposal. Hazardous wastes were transported by Chemical Pollution Control to Stablex in Quebec, Canada for characterization, treatment, stabilization, and disposal. Waste disposal manifests will be added to Appendix I when available.

As previously discussed, TRC has confirmed that all of the USTs have been filled with concrete. Refer to Table 2 for a description of the USTs based on the most recent Site visit. Refer to Figure 7 for the locations of the USTs. The Petroleum Bulk Storage (PBS) registration for the facility was also recently updated with Westchester County for the remaining active tanks (see Appendix H).

1.3.7 Remedial Investigation and Remedial Alternative Analysis Report

The Final Supplemental Investigation performed by TRC in June 2011, included the following field activities:

- Investigation of the contents of the USTs;
- Advancement to bedrock surface and continuous soil sampling of twenty-six soil borings in the Industrial Building;
- Analysis of twenty-five soil samples and two duplicate soil samples for TCL VOCs +10 TICs, TCL SVOCs +20 TICs, TAL metals plus cyanide, TCL PCBs and TCL pesticides; and,
- Survey of sample locations.

The results of the Final Supplemental Investigation are presented in a report dated August 2011, which is in Appendix C of this SMP. In addition, a summary of the results is presented below.

The results of the Preliminary Supplemental Investigation indicated the following:

- The contents of the seven USTs located inside the Industrial Building were confirmed. The USTs were found to be completely filled with concrete with the exception of UST No. 1 and UST No. 2. UST No. 1 was found to be filled with concrete to the bottom of manway. UST No. 2 was found to be partially filled with concrete and contained approximately four inches of oil sludge on top of the concrete surface. The oil sludge has

been removed from UST No. 2 and USTs Nos. 1 and 2 have been completely filled with concrete. A summary of the information regarding the USTs is presented in Table 2.

Table 2

Petroleum Bulk Storage Tank Information (PBS No. 3-012564)

Tank No.	Year Installed	Tank Type	Historic Contents*	Current Contents	Tank Capacity (gallons)	Tank Status
1	1965	UST	Fuel Oil	Concrete	5,000	Closed
2	1978	UST	Water Soluble Cutting Oil	Concrete**	5,000	Closed
3	1978	UST	Water Soluble Cutting Oil	Concrete	3,000	Closed
4	1994	AST	Fuel Oil	Fuel Oil	5,000	In Service
5	1994	AST	Fuel Oil	Fuel Oil	5,000	In Service
6	1978	UST	Water Soluble Cutting Oil	Concrete	3,000	Closed
7	1978	UST	Water	Concrete	8,000	Closed
8	1978	UST	Water	Concrete	8,000	Closed
9	NR	UST	Fuel Oil	Concrete	3,000	Closed

Note: * Information provided by Stewart EFI.
** Oil sludge was removed.
NR – Not Reported

- Soil beneath the Industrial Building was found to consist primarily of brown and gray sand, silt and clay with gravel, concrete, red brick, ash, wood fragments and weathered bedrock. Bedrock was encountered in the soil borings at depths of 6 to 18 feet below the top of the floor slab. Groundwater was not encountered in the soil borings. Field observations indicated evidence of potentially impacted soil in one sample collected from one of the twenty-six soil borings. A PID reading of 12.6 ppm was recorded in the sample collected 15 to 16 feet below the top of the floor slab from TRC-SB25. The sample was submitted for laboratory analysis. There was no other evidence of potential contamination observed in the sample.
- There were no VOCs, PCBs, or pesticides detected at a concentration exceeding the applicable Industrial Use SCOs. Also, cyanide was not detected above the Industrial Use SCO.
- Four SVOCs were detected at concentrations above the Industrial Use SCOs in the soil sample collected 4 to 6 feet below the top of the floor slab from boring TRC-SB29. Benzo(a)anthracene was detected at a concentration of 18,000 micrograms per kilogram (µg/kg), which exceeds the Industrial Use SCO of 11,000 µg/kg. Benzo(a)pyrene was detected at a concentration of 17,000 µg/kg, which exceeds the Industrial Use SCO of 1,100 µg/kg. Benzo(b)fluoranthene was detected at a concentration of 19,000 µg/kg, which exceeds the Industrial Use SCO of 11,000 µg/kg. Dibenzo(a,h)anthracene was detected at a concentration of 3,000 µg/kg, which exceeds the Industrial Use SCO of

1,100 µg/kg. The concentrations of SVOCs above Industrial Use SCOs were detected in the sample collected 4 to 6 feet below the top of the floor slab from boring TRC-SB29, a sample collected adjacent to UST No. 9; however, no evidence of a release was observed in the soil samples collected adjacent to UST No. 9. Benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno[1,2,3-cd]pyrene were detected at concentrations exceeding the Unrestricted Use SCOs (refer to Table 3). Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno[1,2,3-cd]pyrene were detected at concentrations exceeding the Protection of Groundwater SCOs.

- One metal, arsenic, was detected at concentrations above the Industrial Use SCO in three of the twenty-five samples submitted for laboratory analysis. Arsenic was detected in the soil sample collected 16 to 18 feet below the top of the floor slab from boring TRC-SB22 at a concentration of 22.9 milligrams per kilogram (mg/kg), in the soil sample collected 12 to 14 feet below the top of the floor slab from boring TRC-SB23 at a concentration of 18.9 mg/kg, and in the soil sample collected 14 to 16 feet below the top of the floor slab from boring TRC-SB25 at a concentration of 19.8 mg/kg. The Industrial Use SCO for arsenic is 16 mg/kg. The concentrations of arsenic detected above the Industrial Use SCO were detected in samples collected beneath the former Plating Room and Tumbling Room and may be attributable to the former plating operations. Arsenic, chromium, copper, lead, mercury, nickel, sliver, and zinc were detected at concentrations exceeding the Unrestricted Use SCOs (refer to Table 3). Arsenic and silver were detected at concentrations exceeding the Protection of Groundwater SCOs.

1.3.8 Decommissioning of the Former Wastewater Treatment Plant

Wastewater from former operations was treated on-Site in the former WWTP. The treated effluent was discharged to the sewer under a Westchester County Department of Environmental Facilities discharge permit. Stewart EFI arranged for American Environmental Assessment Corp. (American) to clean and decommission the former WWTP in September 2011. Unused wastewater treatment chemicals such as sulfuric acid, sodium hydroxide solution, and hypochlorite solution were removed and transported under proper bills of lading to an off-site groundwater treatment plant for use at that facility. Stewart EFI WWTP decommissioning activities included sludge removal, activated carbon removal, crystallized sodium hydroxide removal, power washing of the floor slabs, triple rinsing all piping and tanks, containerizing piping and tanks, and equipment, and shipping all waste off-site for disposal or recycling.

On September 20, 2011, American removed from the Site for proper disposal all WWTP-related waste and the oil and sludge and cleaning wastewater drummed by United Industrial Services in May 2011. Non-hazardous petroleum waste including oil and wastewater generated during cleaning were removed via a vacuum truck and transported to Environmental Waste Treatment, LLC (EWT) in Farmingdale, New York for treatment and final disposal. Hazardous wastes were

transported by Chemical Pollution Control to Stablex in Quebec, Canada for characterization, treatment, stabilization, and disposal. On October 5, 2011, TRC inspected the former WWTP to confirm proper cleaning and decommissioning. Refer to Appendix I for a copy of the bills of lading. Waste disposal manifests will be added to Appendix I when available

Additionally the Remedial Investigation and Remedial Alternatives Analysis Report concluded the following:

Since there are isolated instances of soil which marginally exceeds the applicable SCOs and soil vapor exists beneath the Site, Institutional and Engineering Controls are required to protect human health and the environment. Long-term management of Institutional and Engineering Controls will be performed under the SMP for the Site. The Institutional Controls will consist of a deed restriction and the SMP and the Engineering Controls will consist of the active SSDS installed in the Industrial Building and the Site cover consisting of approximately ninety-five percent impervious surfaces (e.g., buildings, and asphalt and concrete pavement).

Based on an evaluation of the Proposed Alternative analyzed in the August 2011 Remedial Investigation and Remedial Alternative Analysis Report, the implementation of a no further action remedy with institutional and engineering controls (ICs/ECs) was recommended. The IC/ECs include continued operation of the sub-slab depressurization system (SSDS), maintenance of the existing Site cover and recording of a deed restriction, all of which have already been implemented.

1.4 SUMMARY OF REMEDIAL ACTIONS

Remedial activities were implemented at the Site in accordance with the NYSDEC-approved Vapor Intrusion Mitigation Work Plan dated June 18, 2010 and Remedial Investigation and Remedial Alternative Analysis Report dated August 2011.

The following is a summary of the Remedial Actions performed at the Site:

1. Maintenance of the Site cover. A Site cover currently exists and will be maintained to allow for the parcel-specific use noted below as a component of any Site redevelopment. The cover consists of either structures such as the buildings, pavement, and sidewalks comprising the Site development or existing soil cover meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for the parcel-specific use allowed by the deed restriction. The only minor exception to the soil cover analytical requirements is that mercury was detected at 1.7 mg/kg in sample TRC-SB3(2-4") collected from 2 to 4 inches bgs in the front yard of the residence at 21 Kettell Avenue. The Residential Use SCO for mercury is 0.81 mg/kg. The concentration of mercury detected is most likely attributable to the

characteristics of the urban fill material at the Site and is not likely related to any on-Site operations. s;

2. Installation of an active SSDS in the Industrial Building to mitigate vapor intrusion;
3. Execution and recording of a deed restriction to restrict land use and prevent future exposure to any contamination remaining at the Site; and,
4. Development and implementation of this SMP for long term management of remaining contamination as required by the deed restriction, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

Remedial activities were completed at the Site in October 2011.

1.4.1 Sub-slab Depressurization System

A SSDS was installed in the Industrial Building in accordance with the Vapor Intrusion Mitigation Work Plan dated June 18, 2010, which was approved by the NYSDEC/NYSDOH in an email message dated June 24, 2010. The Final Vapor Intrusion Mitigation System Completion Report, dated November 2, 2010, presents a description of the full-scale, permanent SSDS installed in the Industrial Building. As documented in the Final Vapor Intrusion Mitigation System Completion Report, pressure field testing performed after installation of the SSDS showed that the Industrial Building sub-slab vapor had been successfully depressurized. The NYSDEC approved the Final Vapor Intrusion Mitigation System Completion Report in a letter dated December 10, 2010 (refer to Appendix C).

1.4.2 Remaining Contamination

This section provides a summary of the contamination remaining at the Site so that anyone performing future excavations at the Site can anticipate the environmental conditions that may be encountered. The following table provides a summary of known soil remaining on-Site above the unrestricted use levels. The locations of the samples are provided in Figure 12.

Table 3

Summary of Remaining Soil Contamination Above Unrestricted Levels

Sample Name	Constituent	6 NYCRR Part 375 Unrestricted Use SCO	Result
TRC-SB1 (6-8")	Copper (mg/kg)	50	**50.7**
	Lead (mg/kg)	63	**136**
	Zinc (mg/kg)	109	**131**
	4,4'-DDD (µg/kg)	3.3	**4.4**
	4,4'-DDT (µg/kg)	3.3	**3.8**
TRC-SB2 (6-8")/A	Lead (mg/kg)	63	**169**

Sample Name	Constituent	6 NYCRR Part 375 Unrestricted Use SCO	Result
	Zinc (mg/kg)	109	**161**
	Total PCBs (µg/kg)	100	**830**
	4,4'-DDD (µg/kg)	3.3	**15**
	4,4'-DDE (µg/kg)	3.3	**5.5**
	4,4'-DDT (µg/kg)	3.3	**8.9**
TRC-SB3 (2-4")	Lead (mg/kg)	63	**152**
	Mercury (total) (mg/kg)	0.18	**1.7**
	Zinc (mg/kg)	109	**123**
	Total PCBs (µg/kg)	100	**270**
	4,4'-DDD (µg/kg)	3.3	**6.8**
	4,4'-DDT (µg/kg)	3.3	**13**
	Dieldrin (µg/kg)	5	**6.6**
TRC-SB3 (4-6')	Total PCBs (µg/kg)	100	**800**
TRC-SB5 (6-8")	Total PCBs (µg/kg)	100	**740**
	4,4'-DDT (µg/kg)	3.3	**59**
	Dieldrin (µg/kg)	5	**7.8**
TRC-SB5 (10-12')	Acetone (µg/kg)	50	**60**
	Cadmium (mg/kg)	2.5	**3**
	Lead (mg/kg)	63	**131**
	Zinc (mg/kg)	109	**1,590**
	4,4'-DDD (µg/kg)	3.3	**19**
	4,4'-DDE (µg/kg)	3.3	**7.5**
	4,4'-DDT (µg/kg)	3.3	**31**
	Dieldrin (µg/kg)	5	**39**
TRC-SB6 (6-8")	Chromium (total) (mg/kg)	30	**33.6**
	4,4'-DDT (µg/kg)	3.3	**9.2**
TRC-SB8 (13.5-15.5')	Chromium (total) (mg/kg)	30	**251**
	Nickel (mg/kg)	30	**119**
	Zinc (mg/kg)	109	**258**
TRC-SB14 (6-8')	4,4'-DDT (µg/kg)	3.3	**6.8**
TRC-SB19 (8.5-10.5')	Lead (mg/kg)	63	**169**
	Mercury (total) (mg/kg)	0.18	**0.22**
	Zinc (mg/kg)	109	**166**
	4,4'-DDT (µg/kg)	3.3	**6.3**
TRC-SB21 (9-11')	Arsenic (mg/kg)	13	**13.8**
	Chromium (total) (mg/kg)	30	**34.6**
	Zinc (mg/kg)	109	**152**
TRC-SB22 (16-18')	Arsenic (mg/kg)	13	**22.9**
	Zinc (mg/kg)	109	**232**
TRC-SB23 (12-14')/A	Arsenic (mg/kg)	13	**18.9**
	Zinc (mg/kg)	109	**147**
TRC-SB24 (15-17')	Silver (mg/kg)	2	**11.5**
	Zinc (mg/kg)	109	**419**
TRC-SB25 (14-16')	Arsenic (mg/kg)	13	**19.8**

Sample Name	Constituent	6 NYCRR Part 375 Unrestricted Use SCO	Result
	Chromium (total) (mg/kg)	30	**52.5**
	Copper (mg/kg)	50	**56.1**
	Nickel (mg/kg)	30	**33.2**
	Zinc (mg/kg)	109	**137**
TRC-SB29 (4-6')	Benzo(a)anthracene (µg/kg)	1,000	**18,000**
	Benzo(a)pyrene (µg/kg)	1,000	**17,000**
	Benzo(b)fluoranthene (µg/kg)	1,000	**19,000**
	Benzo(k)fluoranthene (µg/kg)	800	**9,900**
	Chrysene (µg/kg)	1,000	**16,000**
	Dibenzo(a,h)anthracene (µg/kg)	330	**3,000**
	Indeno[1,2,3-cd]pyrene (µg/kg)	500	**9,900**
TRC-SB31 (11-13')/A	Chromium (total) (mg/kg)	30	**30.5**
	Zinc (mg/kg)	109	**211**
	4,4'-DDT (µg/kg)	3.3	**4.2**
TRC-SB32 (8-10')	Acetone (µg/kg)	50	**85**
	Silver (mg/kg)	2	**4.2**
SS-02 (SOIL) 1.5'	Cadmium (mg/kg)	2.5	**11.6**
	Chromium (total) (mg/kg)	30	**32.4**
	Copper (mg/kg)	50	**175**
	Lead (mg/kg)	63	**145**
	Nickel (mg/kg)	30	**44.2**
	Zinc (mg/kg)	109	**511**
SS-02 (SOIL) 7.5'	Copper (mg/kg)	50	**70.9**
	Lead (mg/kg)	63	**70.9**
	Zinc (mg/kg)	109	**336**
SS-02 (SOIL) 13.5'	Cadmium (mg/kg)	2.5	**12.2**
	Chromium (total) (mg/kg)	30	**33.8**
	Copper (mg/kg)	50	**140**
	Nickel (mg/kg)	30	**41.4**
	Zinc (mg/kg)	109	**401**
SS-02 (SOIL) 15.5'	Cadmium (mg/kg)	2.5	**10.2**
	Copper (mg/kg)	50	**134**
	Nickel (mg/kg)	30	**40.7**
	Zinc (mg/kg)	109	**289**
SB-03 (2')	Acetone (µg/kg)	50	**60**
	Lead (mg/kg)	63	**155**
	Zinc (mg/kg)	109	**110**
SB-04 (5')	Lead (mg/kg)	63	**99.6**
	Zinc (mg/kg)	109	**117**
SB-05 (9')	Acetone (µg/kg)	50	**95**
SB-06 (2')	Nickel (mg/kg)	30	**435**
	Silver (mg/kg)	2	**15.2**
SB-07 (0')	2-Butanone (MEK) (µg/kg)	120	**200**
	Methylene Chloride (µg/kg)	50	**110**

The following tables provide a summary of known contaminated soil remaining on-Site above the use-specific levels. The locations of the samples are provided in Figure 13.

Table 4
Summary of Remaining Soil Contamination Above Use-Specific Levels

Sample Name	Constituent (Unit)	Type of Restricted Use	6 NYCRR Part 375 SCO	Result
TRC-SB3 (2-4")	Mercury (Total) (mg/kg)	Residential	0.81	**1.7**
TRC-SB22 (16-18')	Arsenic (mg/kg)	Industrial	16	**22.9**
TRC-SB23 (12-14')	Arsenic (mg/kg)	Industrial	16	**18.9**
TRC-SB25 (14-16')	Arsenic (mg/kg)	Industrial	16	**19.8**
TRC-SB29 (4-6')	Benzo(a)anthracene (µg/kg)	Industrial	11,000	**18,000**
	Benzo(a)pyrene (µg/kg)	Industrial	1,100	**17,000**
	Benzo(b)fluoranthene (µg/kg)	Industrial	11,000	**19,000**
	Dibenzo(a,h)anthracene (µg/kg)	Industrial	1,100	**3,000**

Table 3 and Figure 12 summarize the results of all soil samples remaining at the Site after completion of remedial activities that exceed the Unrestricted SCOs.

Table 4 and Figure 13 summarize the results of all soil samples remaining at the Site after completion of remedial activities that exceed the Use-specific SCOs.

2.0 ENGINEERING AND INSTITUTIONAL CONTROL PLAN

2.1 INTRODUCTION

2.1.1 General

Since remaining contaminated soil and soil vapor exist beneath the Site, Engineering Controls and Institutional Controls (EC/ICs) are required to protect human health and the environment. This Engineering and Institutional Control Plan describes the procedures for the implementation and management of all EC/ICs at the Site. The EC/IC Plan is one component of the SMP and is subject to revision by NYSDEC.

2.1.2 Purpose

This plan provides:

- A description of all EC/ICs on the Site;
- The basic implementation and intended role of each EC/IC;
- A description of the key components of the ICs set forth in the deed restriction;
- A description of the features to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of EC/ICs, such as the implementation of the Excavation Work Plan (refer to Appendix A) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the Site; and,
- Any other provisions necessary to identify or establish methods for implementing the EC/ICs required by the Site remedy, as determined by the NYSDEC.

2.2 ENGINEERING CONTROLS

2.2.1 Engineering Control Systems

2.2.1.1 Site Cover

Exposure to remaining contamination in soil/fill at the Site is prevented by an existing Site cover system. This cover system is comprised of asphalt pavement, concrete-covered sidewalks, and concrete building floor slabs. The Excavation Work Plan that appears in Appendix A outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in Section 3 of this SMP. Refer to Figure 16 for a signed and sealed as-built drawing for the existing Site covers.

2.2.1.2 Sub-slab Depressurization System

Based on the results of the Pilot Study and in accordance with the NYSDOH Guidance, a plan for full-scale sub-slab depressurization of the Industrial Building was developed and implemented. The objective of the permanent, full-scale SSDS is to create a vacuum below (i.e., depressurize) the lowest level floor slabs throughout the Industrial Building, thereby minimizing the potential for vapor intrusion. Installation of the SSDS was completed on August 9, 2010.

The SSDS consists of a total of 29 suction points and 41 monitoring points. Figures 9 through 11 are signed and sealed as-built drawings for the SSDS. Figure 9 shows the approximate locations of the suction points and monitoring points, Figure 10 shows the approximate locations of the suction fans on the roof, and Figure 11 shows suction point and monitoring point construction details. Piping from each suction point was run from the sub-slab area to the first floor ceiling and manifolded to a common header. Vertical risers connecting the manifolded piping were routed along the exterior of the building to the suction fans installed on the building roof. Each suction fan exhaust point is a minimum of ten feet from any building opening or air intake. Manufacturer information regarding the suction fans is provided on Figure 10 and included in Appendix F.

In order to provide a means to confirm the SSDS is operating properly, a flow switch and pressure (vacuum) gauge were installed near the inlet of each suction fan. Each flow switch will activate a remote visual and audible alarm inside the Industrial Building if flow is low. The alarm system is connected to the Industrial Building security alarm panel. On alarm activation, Stewart EFI is notified automatically via telephone.

Procedures for operating and maintaining the SSDS are documented in the Operation and Maintenance Plan (Section 4 of this SMP). Procedures for monitoring the system are included in the Monitoring Plan (Section 3 of this SMP). The Monitoring Plan also addresses severe condition inspections in the event that a severe condition, which may affect controls at the Site, occurs.

2.2.2 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10.

2.2.2.1 Site Cover System

The Site cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity. Any future proposed changes to the Site cover system (e.g., redevelopment of the Site) will be approved by the NYSDEC prior to implementation.

2.2.2.2 Sub-slab Depressurization System (SSDS)

The active SSDS will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSDS is no longer required, a proposal to discontinue the SSDS will be submitted by the property owner to the NYSDEC and NYSDOH.

2.3 INSTITUTIONAL CONTROLS

A series of Institutional Controls is required to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to residential, commercial, and industrial uses only as appropriate based on the parcel use category outlined in Table 1 of this SMP and in the text below, which are consistent with local zoning. Adherence to these Institutional Controls on the Site is required by the deed restriction and will be implemented under this Site Management Plan. These Institutional Controls are:

- Compliance with the deed restriction and this SMP by the Site Owner and the Site Owner's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in this SMP;
- All Engineering Controls on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP;
- Monitoring must be performed as defined in this SMP; and,
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in this SMP.

Institutional Controls identified in the deed restriction may not be discontinued without an amendment to or extinguishment of the deed restriction.

The Site has a series of Institutional Controls in the form of Site restrictions. Adherence to these Institutional Controls is required by the deed restriction. A copy of the entire deed restriction is included in Appendix B. Site restrictions that apply to the Controlled Property are:

- The use of the portion of the Site identified as Block 6343, Lots 1, 25, 27, 47, and 49 may not be used for a less restricted use than "Industrial Use" which is defined as the land use category which shall only be considered for the primary purpose of manufacturing, production, fabrication or assembly processes and ancillary services and does not include any recreational component; and the owner of the Site shall not seek to remove the zoning variance for industrial use granted on July 6, 1982 for Lots 27 and 47;
- The use of the portion of the Site identified as Block 6344, Lots 1 and 2 may not be used for a less restricted use than "Commercial Use" which is defined as a land use category which shall only be considered for the primary purpose of buying, selling or trading of merchandise or services and includes passive recreational uses which are public uses with limited potential for soil contact;
- The use of the portion of the Site identified as Block 6342, Lot 5 and Block 6343, Lot 51 may not be used for a less restricted use than “Residential Use” which is the land use category which allows a site to be used for any use other than raising live stock or producing animal products for human consumption. Restrictions on the use of groundwater are allowed, but no other institutional or engineering controls are allowed relative to the residential use soil cleanup objectives. This is the land use category which will be considered for single family housing;
- The owner of the Site shall continue in full force and effect any institutional and engineering controls required under the Agreement, including the SSDS, and shall maintain such controls unless the owner first obtains permission to discontinue such controls from the Relevant Agency;
- All future activities on the Site that (i) results in the disturbance or excavation, which threatens the integrity of the existing cap which consists of the asphalt covered parking areas, the concrete covered sidewalks, demonstrated clean fill cover in non-paved areas and concrete building slabs, or (ii) results in disturbance of material containing residual contamination are prohibited unless such activities are conducted in accordance with the soil management provisions of the SMP;
- All future activities on the Site that results in unacceptable human exposure to residual contamination are prohibited;
- All groundwater, soil vapor and other environmental or public health monitoring related to the Site must be performed as required in the SMP;
- All environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary or as directed by the NYSDEC to ensure continued functioning as specified in the SMP;
- Any new structures constructed on the Site must be evaluated for potential soil vapor intrusion and mitigated as necessary in accordance with the building mitigation provisions of the SMP;
- The owner of the Site shall prohibit the use of the groundwater underlying the Site without treatment rendering it safe for drinking water or industrial purposes, as

appropriate, unless the user first obtains permission to do so from the NYSDEC or Relevant Agency;

- All data and information pertinent to site management for the Property must be reported at the frequency and in a manner specified in the SMP; and,
- The owner of the Site shall annually, submit to the NYSDEC or Relevant Agency a written statement by an expert the NYSDEC finds acceptable certifying under penalty of perjury that the institutional and engineering controls employed at the Site are unchanged from the previous certification or that any changes to the controls employed at the Site were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such controls to protect the public health and environment or constitute a violation or failure to comply with any SMP for such controls and giving access to such Site to NYSDEC to evaluate continued maintenance of such controls.

2.3.1 Excavation Work Plan

The Site has been investigated for restricted use (residential, commercial, and industrial). Any future intrusive work that will penetrate the Site cover or cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system will be performed in compliance with the Excavation Work Plan (EWP) that is attached as Appendix A to this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) (outline) and Community Air Monitoring Plan (CAMP) prepared for the Site. A sample HASP (outline) is attached as Appendix D to this SMP that is in current compliance with DER-10, and 29 CFR 1910, 29 CFR 1926, and all other applicable Federal, State and local regulations. Based on future changes to State and Federal health and safety requirements, and specific methods employed by future contractors, the HASP and CAMP will be updated and re-submitted with the notification provided in Section A-1 of the EWP. Any intrusive construction work will be performed in compliance with the EWP, HASP and CAMP, and will be included in the periodic inspection and certification reports submitted with the Periodic Review Report (See Section 5).

The Site owner and associated parties preparing the remedial documents submitted to the State, and parties performing this work, are completely responsible for the safe performance of all intrusive work, the structural integrity of excavations, proper disposal of excavation de-water, control of runoff from open excavations into remaining contamination, and for structures that may be affected by excavations (such as building foundations and bridge footings). The Site owner will ensure that Site development activities will not interfere with, or otherwise impair or compromise, the engineering controls described in this SMP.

2.3.2 Soil Vapor Intrusion Evaluation

Prior to the construction of any new enclosed structures located over areas that contain remaining contamination, a soil vapor intrusion (SVI) evaluation will be performed to determine whether any mitigation measures are necessary to eliminate potential exposure to vapors in the proposed structure. Alternatively, a SVI mitigation system may be installed as an element of the new building foundation without first conducting an investigation. This mitigation system will include a vapor barrier and passive sub-slab depressurization system that is capable of being converted to an active system.

Prior to conducting a SVI investigation or installing a mitigation system, a work plan will be developed and submitted to the NYSDEC and NYSDOH for approval. This work plan will be developed in accordance with the most recent NYSDOH "Guidance for Evaluating Vapor Intrusion in the State of New York". Measures to be employed to mitigate potential vapor intrusion will be evaluated, selected, designed, installed, and maintained based on the SVI evaluation, the NYSDOH guidance, and construction details of the proposed structure.

Preliminary (unvalidated) SVI sampling data will be forwarded to the NYSDEC and NYSDOH for initial review and interpretation. Upon validation, the final data will be transmitted to the agencies, along with a recommendation for follow-up action, such as mitigation. If any indoor air test results exceed NYSDOH guidelines, relevant NYSDOH fact sheets will be provided to all tenants and occupants of the property within 15 days of receipt of validated data.

SVI sampling results, evaluations, and follow-up actions will also be summarized in the next Periodic Review Report.

2.4 INSPECTIONS AND NOTIFICATIONS

2.4.1 Inspections

Inspections of all remedial components installed at the Site will be conducted at the frequency specified in the SMP Monitoring Plan schedule. A comprehensive Site-wide inspection will be conducted annually, regardless of the frequency of the Periodic Review Report (See inspection form in Appendix G). The inspections will determine and document the following:

- Whether Engineering Controls continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the deed restriction;
- Achievement of remedial performance criteria;

- Sampling and analysis of appropriate media during monitoring events;
- If Site records are complete and up to date; and,
- Changes, or needed changes, to the remedial or monitoring system.

Inspections will be conducted in accordance with the procedures set forth in the Monitoring Plan of this SMP (Section 3). The reporting requirements are outlined in the Periodic Review Reporting section of this plan (Section 5).

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the EC/ICs implemented at the Site by a qualified environmental professional as determined by NYSDEC.

2.4.2 Notifications

Notifications will be submitted by the property owner to the NYSDEC as needed for the following reasons:

- 60-day advance notice of any proposed changes in Site use that are required under the terms of the Voluntary Cleanup Agreement (VCA), 6 NYCRR Part 375, and/or Environmental Conservation Law.
- 7-day advance notice of any proposed ground-intrusive activities pursuant to the Excavation Work Plan.
- Notice within 48-hours of any damage or defect to the foundations structures that reduces or has the potential to reduce the effectiveness of other Engineering Controls and likewise any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of Engineering Controls in place at the Site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action shall be submitted to the NYSDEC within 45 days and shall describe and document actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser has been provided with a copy of the Voluntary Cleanup Agreement (VCA) and all approved work plans and reports, including this SMP.

- Within 15 days after the transfer of all or part of the Site, the new owner's name, contact representative, and contact information will be confirmed in writing.

2.5 CONTINGENCY PLAN

Emergencies may include injury to personnel, fire or explosion, environmental release, or serious weather conditions.

2.5.1 Emergency Telephone Numbers

In the event of any environmentally related situation or unplanned occurrence requiring assistance, the Owner or Owner's representative(s) should contact the appropriate party from the contact list below. For emergencies, appropriate emergency response personnel should be contacted. These emergency contact lists must be maintained in an easily accessible location at the Site.

Table 5
Emergency Contact Numbers

Name	Number
Medical, Fire, and Police:	911
One Call Center:	(800) 272-4480 (3 day notice required for utility markout)
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802
NYSDEC Spills Hotline	(800) 457-7362

Table 6
Other Contact Numbers

Name	Number*
Ralph Celone Stewart EFI (Property Owner)	(860) 449-3425
David Glass, TRC Qualified Environmental Professional	(212) 221-7822
Jennifer Miranda, TRC Project Manager	(212) 221-7822
Janet Brown, NYSDEC NYSDEC VCP Site Manager	(845) 256-3826
* Note: Contact numbers subject to change and should be updated as necessary	

2.5.2 Map and Directions to Nearest Health Facility

The attached Figure 15 also shows the route from the Site to the Hospital.

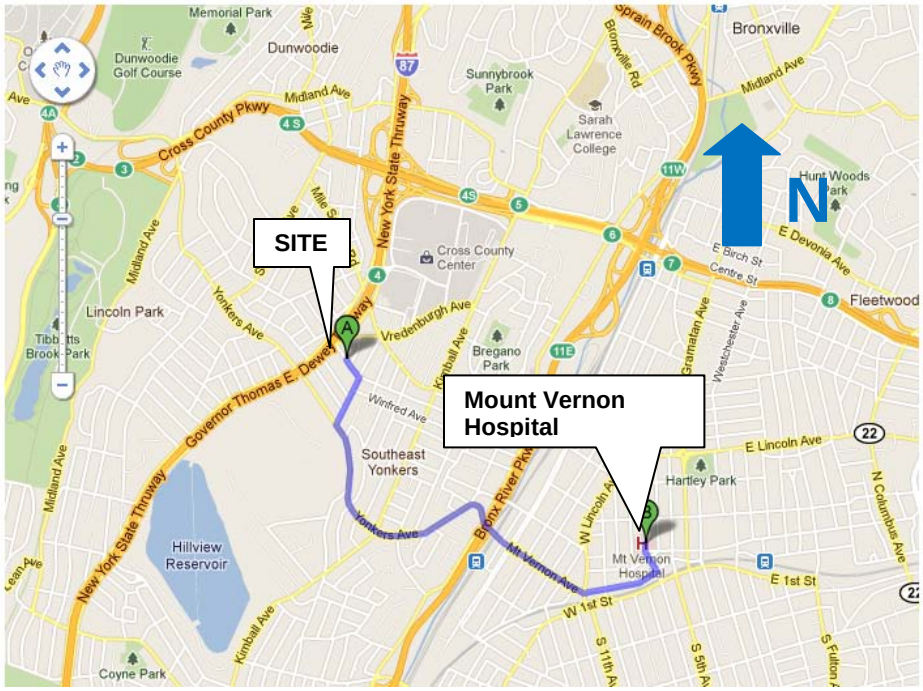
Site Location: 630 Central Park Avenue, Yonkers, New York 10704

Nearest Hospital Name: Mount Vernon Hospital Medical Center

Hospital Location: 12 North Seventh Avenue, Mount Vernon, New York 10550

Hospital Telephone: (703) 664-7111

Map Showing Route from the Site to the Hospital:



Whittier Ave

1.	Head **southeast** on **Whittier Ave** toward **Nelson St**	go 397 ft total 397 ft
2.	Take the 1st right onto **Trenchard St** About 1 min	go 0.2 mi total 0.3 mi
3.	Turn left onto **Yonkers Ave** About 3 mins	go 1.0 mi total 1.2 mi
4.	Continue onto **Mt Vernon Ave**	go 0.3 mi total 1.5 mi
5.	Turn left onto **Stevens Ave** About 1 min	go 0.3 mi total 1.8 mi
6.	Turn left onto **W Roosevelt Square**	go 259 ft total 1.9 mi
7.	Continue onto **N 7th Ave** Destination will be on the left	go 285 ft total 1.9 mi

Mount Vernon Hospital
12 North Seventh Avenue, Mount Vernon, New York 10550

2.5.3 Response Procedures

As appropriate, the fire department and other emergency response group will be notified immediately by telephone of the emergency. The emergency telephone number list is found at the beginning of this Contingency Plan (Table 5). The list will also be posted prominently at the Site and made readily available to all personnel at all times.

3.0 SITE MONITORING PLAN

3.1 INTRODUCTION

3.1.1 General

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site, the Site cover system, and all affected Site media identified below. Monitoring of other Engineering Controls is described in Chapter 4, Operation, Monitoring and Maintenance Plan. This Monitoring Plan may only be revised with the approval of NYSDEC.

3.1.2 Purpose and Schedule

This Monitoring Plan provides information on:

- Assessing achievement of the remedial performance criteria;
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;
- Preparing the necessary reports for the various monitoring activities to adequately address these issues;
- Reporting requirements; and,
- Periodic inspection and periodic certification.

Annual monitoring of the performance of the remedy will be conducted for the first 3 years. The frequency thereafter will be determined by NYSDEC. Monitoring programs are summarized in Table 7 and outlined in detail in Sections 3.2 and 3.3 below.

Table 7
Monitoring/Inspection Schedule

Monitoring Program	Frequency*
SSDS Inspection	24/7 via alarm system, Monthly, Severe Condition, and Annually
Site Covers	Monthly, Severe Condition, and Annually
Site-Wide Inspection	Annually
* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH.	

3.1.3 Well Replacement/Repairs and Decommissioning

After the completion of the remedial investigation, five bedrock monitoring wells remain on-Site. These wells will be decommissioned with prior approval from the NYSDEC and the decommissioning activities will be reported to NYSDEC in the Periodic Review Report. Well abandonment will be performed in accordance with NYSDEC's "CP-43: Groundwater Monitoring Well Decommissioning Policy" dated November 3, 2009.

3.2 SITE COVER SYSTEM MONITORING

The Site cover system (i.e., existing cap) consisting of ninety-five percent impervious surfaces (buildings and asphalt and concrete pavement) prevents human exposure to remaining contaminated soil/fill at the Site. A qualified environmental professional will conduct a yearly inspection of the covers. This inspection will include, at a minimum, visual inspection of the covers to determine if they are intact and free from damage. The results will be reported in the Periodic Review Report described in Section 5.3. Any damage to the covers will be repaired in kind.

3.3 SITE-WIDE INSPECTION

Site-wide inspections will be performed on a regular schedule at a minimum of once a year. Site-wide inspections will also be performed after all severe weather conditions that may affect Engineering Controls or monitoring devices. During these inspections, an inspection form will be completed (Appendix G) and submitted to NYSDEC as part of the Periodic Report. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;
- The Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;
- Compliance with permits and schedules included in the Operation and Maintenance Plan; and,
- Confirm that Site records are up to date.

3.4 MONITORING REPORTING REQUIREMENTS

Forms and any other information generated during regular monitoring events and inspections will be kept on file on-Site. All forms, and other relevant reporting formats used during the monitoring/inspection events, will be (1) subject to approval by NYSDEC and (2) submitted at the time of the Periodic Review Report, as specified in the Reporting Plan of this SMP.

All monitoring results will be reported to NYSDEC on a periodic basis in the Periodic Review Report. The report will include, at a minimum:

- Date of event;
- Personnel conducting sampling;
- Description of the activities performed;
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and,
- A determination as to whether groundwater conditions have changed since the last reporting event.

Data will be reported in hard copy or digital format as determined by NYSDEC. A summary of the monitoring program deliverables are summarized in Table 8 below.

Table 8
Schedule of Monitoring/Inspection Reports

Task	Reporting Frequency*
Periodic Review Report	Annually (first 3 years)
* The frequency of events will be conducted as specified until otherwise approved by NYSDEC	

4.0 OPERATION AND MAINTENANCE PLAN

4.1 INTRODUCTION

This Operation and Maintenance Plan describes the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the Site. This Operation and Maintenance Plan:

- Includes the steps necessary to allow individuals unfamiliar with the Site to operate and maintain the SSDS;
- Includes an operation and maintenance contingency plan; and,
- Will be updated periodically to reflect changes in Site conditions or the manner in which the SSDS is operated and maintained.

Information on non-mechanical Engineering Controls (i.e., Site cover system) is provided in Section 3.2. A copy of this Operation and Maintenance Plan, along with the complete SMP, will be kept at the Site. This Operation and Maintenance Plan is not to be used as a stand-alone document, but as a component document of this SMP.

4.2 SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION AND MAINTENANCE

The Industrial Building SSDS has been designed and installed to prevent VOCs in soil gas from entering the Industrial Building. Figures 9 through 11 show the plans and details for the SSDS. The principal components of the SSDS consist of:

- Suction points beneath the floor slab;
- Pipes running from each suction point vertically to the first floor ceiling, then horizontally below the first floor ceiling to a common header;
- Vertical risers from each common header from the first floor ceiling along the building exterior and discharging above the building roof;
- Exterior suction fans;
- Monitoring points at selected locations throughout the building floor slabs; and,
- A warning device (alarm) for each suction fan which is activated when, flow drops below the set point.

The requirements for the SSDS consist of: initial start up testing; routine maintenance and monitoring activities; and, non-routine maintenance activities. Each is described in the following subsections.

4.2.1 Initial SSDS Start Up

This subsection outlines the procedures for confirming the effectiveness and proper installation of the SSDS and complies with the post mitigation/confirmation testing requirements of NYSDOH's Guidance. The goal for operation of the SSDS was to achieve, at a minimum, a sub-slab differential pressure (with respect to building interior ambient pressure) of –0.002 inches of water. To achieve this goal, the following actions were performed during initial startup of the SSDS:

1. Shortly after start up of the SSDS, the sub-slab pressure at each monitoring point was measured utilizing a Magnehelic gauge. The minimal sub-slab differential pressure was measured at each sub-slab monitoring point.
2. After confirming sub-slab pressure of at least –0.002 inches of water, smoke tests were performed to identify any leaks through cracks in the concrete floor, floor joints, etc. Leaks through the floor slab were not identified.
3. The operation of each warning device for suction fan malfunction was confirmed.

The system testing described above will be conducted again if, in the course of the SSDS lifetime, significant changes are made to the system, and the system must be restarted.

4.2.2 System Operation: Routine Operation Procedures and Equipment Maintenance for SSDS

Routine maintenance and inspection will be conducted to confirm that the SSDS is operating properly and will continue until NYSDEC and NYSDOH have determined there is no need for such a system. The operation of the SSDS will not be discontinued without written approval from the NYSDEC. On a monthly basis, qualified building personnel will confirm that the suction fans and warning devices are working properly. Refer to Appendix G for a routine maintenance SSDS inspection checklist and Appendix F for operating manuals for the SSDS suction fans. (See Section 4.2.3 if routine monitoring indicates that the warning device(s) is not working properly.)

On an annual basis, the following will performed:

- Conduct a visual inspection of the complete system;
- Inspect the suction fans for signs of abnormal operations, and repair or replace if required;
- Inspect the discharge location of the vent pipes to confirm that no air intake or operable window is located nearby;

- Determine, through discussions with building management, if any heating, ventilation, and air conditioning (HVAC) system modifications have occurred that might affect the performance of the SSDS; and,
- Inspect the floor slab and foundation walls for evidence of cracks and/or holes, and repair of cracks and/or holes, if required.

4.2.3 Non-Routine Maintenance Activities for the SSDS

Non-routine maintenance would typically occur when a warning device indicates the system is not working properly, or the system becomes damaged. The scope of non-routine maintenance will vary depending upon the situation. In general, the following actions will be taken as part of non-routine maintenance:

- Examine the building for structural or HVAC system changes, or other changes that may affect the performance of the depressurization system (e.g., new combustion appliances or deterioration of the concrete slab);
- Examine the operation of the warning devices and the suction fans, and measure the sub-slab pressure at monitoring points; and,
- Repair or adjust the SSDS as appropriate. If necessary, the SSDS should be restarted (see Section 4.2.1 for system startup).

4.2.4 SSDS Deactivation

Deactivation of the SSDS will not occur without NYSDEC and NYSDOH approval. The property owner may request deactivation of the SSDS based upon appropriate sampling data.

4.3 MAINTENANCE REPORTING REQUIREMENTS

Maintenance reports and any other information generated during regular operations at the Site will be kept on-file on-Site. All reports, forms, and other relevant information generated will be available upon request by the NYSDEC and submitted as part of the Periodic Review Report, as specified in Section 5.0 of this SMP.

4.3.1 Routine Maintenance Reports

Form 1 located in Appendix G will be completed during each routine maintenance and inspection event. Checklists/forms and documentation will include, but not be limited to the following information:

- Date;
- Name, company, and position of person(s) conducting maintenance activities;
- Maintenance activities conducted;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc. (attached to the checklist/form).

4.3.2 Non-Routine Maintenance Reports

During each non-routine maintenance event, documentation will be compiled, which will include, but not be limited to, the following information:

- Date;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Description of event;
- Date of repair;
- Other repairs or adjustments made to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and,
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

5.0 INSPECTIONS, REPORTING AND CERTIFICATIONS

5.1 SITE INSPECTIONS

5.1.1 Inspection Frequency

All inspections will be conducted at the frequency specified in the schedules provided in Section 3 Monitoring Plan and Section 4 Operation and Maintenance Plan of this SMP. At a minimum, a Site-wide inspection will be conducted annually. Inspections of remedial components will also be conducted when a breakdown of any SSDS component has occurred or whenever a severe condition has taken place, such as a natural disaster that may affect the ECs.

5.1.2 Inspection Forms and Maintenance Reports

All inspection events will be recorded on the appropriate forms for their respective system which are contained in Appendix G. Additionally, a general Site-wide inspection form will be completed during the Site-wide inspection (see Appendix G). These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including all media sampling data and system maintenance reports, generated for the Site during the reporting period will be provided in electronic format in the Periodic Review Report.

5.1.3 Evaluation of Records and Reporting

The results of the inspection and Site monitoring data will be evaluated as part of the EC/IC certification to confirm that the:

- EC/ICs are in place, are performing properly, and remain effective;
- The Monitoring Plan is being implemented;
- Operation and maintenance activities are being conducted properly; and, based on the above items,
- The Site remedy continues to be protective of public health and the environment and is performing as designed.

5.2 CERTIFICATION OF ENGINEERING AND INSTITUTIONAL CONTROLS

After the last inspection of the reporting period, a Professional Engineer licensed to practice in New York State will prepare the following certification:

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering controls employed at this Site are unchanged from the date the control was put in place, or last approved by the NYSDEC;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the deed restriction;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.
- I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner or Owner's Designated Site Representative] for the Site.

The signed certification will be included in the Periodic Review Report described below.

For each institutional control identified for the Site, I certify that all of the following statements are true:

- The institutional control employed at this Site is unchanged from the date the control was put in place, or last approved by the NYSDEC;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the deed restriction;

- The information presented in this report is accurate and complete;
- I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner or Owner's Designated Site Representative] for the Site; and
- No new information has come to my attention, including groundwater monitoring data from wells located at the Site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-Site contamination are no longer valid.

Every five years the following certification will be added:

- The assumptions made in the qualitative exposure assessment remain valid.

An example of the certification form is included in Appendix E. The signed certification will be included in the Periodic Review Report described below.

5.3 PERIODIC REVIEW REPORT

A Periodic Review Report will be submitted to the NYSDEC every year, beginning eighteen months after the "No Further Action Letter" is issued by NYSDEC. In the event that the Site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the Site described in Appendix B. The report will be prepared in accordance with NYSDEC DER-10 and submitted within 45 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The Periodic Review Report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the Site;
- Results of the required annual Site inspections and severe condition inspections, if applicable;
- All applicable inspection forms and other records generated for the Site during the reporting period in electronic format;
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends;
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format;

- A Site evaluation, which includes the following:
    - The compliance of the remedy with the requirements of the VCA;
    - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;
    - Any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
    - Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan; and,
    - The overall performance and effectiveness of the remedy.

The Periodic Review Report will be submitted, in hard-copy format, to the NYSDEC Central Office and Regional Office in which the Site is located, and in electronic format to NYSDEC Central Office, Regional Office and the NYSDOH Bureau of Environmental Exposure Investigation.

5.4 CORRECTIVE MEASURES PLAN

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a corrective measures plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the corrective measures plan until it is approved by the NYSDEC.

TABLES

TABLE 9
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SITE MANAGEMENT PLAN
SOIL CLEANUP OBJECTIVES FOR THE SITE AND CRITERIA FOR ON-SITE RE-USE OF EXCAVATED MATERIAL

VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)	**Residential SCO**	**Commercial SCO**	**Industrial SCO**
1,1,1-Trichloroethane (TCA)	100,000	500,000	1,000,000
1,1-Dichloroethane	19,000	240,000	480,000
1,1-Dichloroethene	100,000	500,000	1,000,000
1,2,4-Trimethylbenzene	47,000	190,000	380,000
1,2-Dichlorobenzene	100,000	500,000	1,000,000
1,2-Dichloroethane	2,300	30,000	60,000
1,3,5-Trimethylbenzene	47,000	190,000	380,000
1,3-Dichlorobenzene	17,000	280,000	560,000
1,4-Dichlorobenzene	9,800	130,000	250,000
1,4-Dioxane	9,800	130,000	250,000
2-Butanone (MEK)	100,000	500,000	1,000,000
Acetone	100,000	500,000	1,000,000
Benzene	2,900	44,000	89,000
Carbon Tetrachloride	1,400	22,000	44,000
Chlorobenzene	100,000	500,000	1,000,000
Chloroform	10,000	350,000	700,000
cis-1,2-Dichloroethene	59,000	500,000	1,000,000
Ethylbenzene	30,000	390,000	780,000
m&p-Xylene	100,000[(1)]	500,000[(1)]	1,000,000[(1)]
Methylene Chloride	51,000	500,000	1,000,000
Methyl tert-butyl ether (MTBE)	62,000	500,000	1,000,000
n-Butylbenzene (Butylbenzene)	100,000	500,000	1,000,000
n-Propylbenzene	100,000	500,000	1,000,000
o-Xylene	100,000[(1)]	500,000[(1)]	1,000,000[(1)]
sec-Butylbenzene	100,000	500,000	1,000,000
tert-Butylbenzene	100,000	500,000	1,000,000
Tetrachloroethene (PCE)	5,500	150,000	300,000
Toluene	100,000	500,000	1,000,000
trans-1,2-Dichloroethene	100,000	500,000	1,000,000
Trichloroethene (TCE)	10,000	200,000	400,000
Vinyl Chloride	210	13,000	27,000
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (µg/kg)	**Residential SCO**	**Commercial SCO**	**Industrial SCO**
2-Methylphenol (o-cresol)	100,000	500,000	1,000,000
3 & 4 Methylphenol (m&p-cresol)	34,000	500,000	1,000,000
Acenaphthene	100,000	500,000	1,000,000
Acenaphthylene	100,000	500,000	1,000,000
Anthracene	100,000	500,000	1,000,000
Benzo[a]anthracene	1,000	5,600	11,000
Benzo[a]pyrene	1,000	1,000	1,100
Benzo[b]fluoranthene	1,000	5,600	11,000
Benzo[g,h,i]perylene	100,000	500,000	1,000,000
Benzo[k]fluoranthene	1,000	56,000	110,000
Chrysene	1,000	56,000	110,000
Dibenz(a,h)anthracene	330	560	1,100
Dibenzofuran	14,000	350,000	1,000,000
Fluoranthene	100,000	500,000	1,000,000
Fluorene	100,000	500,000	1,000,000
Hexachlorobenzene	330	6,000	12,000
Indeno[1,2,3-cd]pyrene	500	5,600	11,000
Naphthalene	100,000	500,000	1,000,000
Pentachlorophenol	2,400	6,700	55,000
Phenanthrene	100,000	500,000	1,000,000
Phenol	100,000	500,000	1,000,000
Pyrene	100,000	500,000	1,000,000

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FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SITE MANAGEMENT PLAN
SOIL CLEANUP OBJECTIVES FOR THE SITE AND CRITERIA FOR ON-SITE RE-USE OF EXCAVATED MATERIAL

METALS AND CYANIDE (mg/kg)	**Residential SCO**	**Commercial SCO**	**Industrial SCO**
Arsenic	16	16	16
Barium	350	400	10,000
Beryllium	14	590	2,700
Cadmium	2.5	9.3	60
Calcium	NC	NC	NC
Chromium (Trivalent)	36	1,500	6,800
Chromium (Hexavalent)	22	400	800
Copper	270	270	10,000
Cyanide (Total)	27	27	10,000
Lead	400	1,000	3,900
Manganese	2,000	10,000	10,000
Mercury (Total)	0.81	2.8	5.7
Nickel	140	310	10,000
Selenium	36	1,500	6,800
Silver	36	1,500	6,800
Zinc	2,200	10,000	10,000
POLYCHLORINATED BIPHENYLS (PCBs) (µg/kg)	**Residential SCO**	**Commercial SCO**	**Industrial SCO**
Total PCBs	1,000	1,000	25,000
PESTICIDES (µg/kg)	**Residential SCO**	**Commercial SCO**	**Industrial SCO**
4,4'-DDD	2,600	92,000	180,000
4,4'-DDE	1,800	62,000	120,000
4,4'-DDT	1,700	47,000	94,000
Aldrin	19	680	1,400
alpha-BHC	97	3,400	6,800
alpha-Chlordane	910	24,000	47,000
beta-BHC	72	3,000	14,000
delta-BHC	100,000	500,000	1,000,000
Dieldrin	39	1,400	2,800
Endosulfan I	4,800	200,000	920,000
Endosulfan II	4,800	200,000	920,000
Endosulfan sulfate	4,800	200,000	920,000
Endrin	2,200	89,000	410,000
gamma-BHC (Lindane)	280	9,200	23,000
Heptachlor	420	15,000	29,000
Silvex (2,4,5-TP)	58,000	500,000	1,000,000

Notes:
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
SCO - Soil Cleanup Objective
Residential SCO - If property is zoned Residential compare results to Protection of Public Health Residential Use SCOs.
Commercial SCO - If property is zoned Commercial compare results to Protection of Public Health Commercial Use SCOs.
Industrial SCO- If property is zoned Industrial compare results to Protection of Public Health Industrial Use SCOs.
(1) - The SCO for m&p-xylene and o-xylene applies to total xylenes.

TABLE 10
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SITE MANAGEMENT PLAN
CRITERIA FOR IMPORTED SOILS

VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)	**Residential Use**	**Commercial or Industrial Uses**
1,1,1-Trichloroethane (TCA)	680	680
1,1-Dichloroethane	270	270
1,1-Dichloroethene	330	330
1,2,4-Trimethylbenzene	3,600	3,600
1,2-Dichlorobenzene	1,100	1,100
1,2-Dichloroethane	20	20
1,3,5-Trimethylbenzene	8,400	8,400
1,3-Dichlorobenzene	2,400	2,400
1,4-Dichlorobenzene	1,800	1,800
1,4-Dioxane	100	100
2-Butanone (MEK)	120	120
Acetone	50	50
Benzene	60	60
Carbon tetrachloride	760	760
Chlorobenzene	1,100	1,100
Chloroform	370	370
cis-1,2-Dichloroethene	250	250
Ethylbenzene	1,000	1,000
m&p-Xylene	1,600(1)	1,600(1)
Methylene Chloride	50	50
Methyl tert-butyl ether (MTBE)	930	930
n-Butylbenzene (Butylbenzene)	12,000	12,000
n-Propylbenzene	3,900	3,900
o-Xylene	1,600(1)	1,600(1)
sec-Butylbenzene	11,000	11,000
tert-Butylbenzene	5,900	5,900
Tetrachloroethene (PCE)	1,300	1,300
Toluene	700	700
trans-1,2-Dichloroethene	190	190
Trichloroethene (TCE)	470	470
Vinyl chloride	20	20
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (µg/kg)	**Residential Use**	**Commercial or Industrial Uses**
2-Methylphenol (o-cresol)	330	330
3 & 4 Methylphenol (m&p-cresol)	330	330
Acenaphthene	98,000	98,000
Acenaphthylene	100,000	107,000
Anthracene	100,000	500,000
Benzo[a]anthracene	1,000	1,000
Benzo[a]pyrene	1,000	1,000
Benzo[b]fluoranthene	1,000	1,700
Benzo[g,h,i]perylene	100,000	500,000
Benzo[k]fluoranthene	1,000	1,700
Chrysene	1,000	1,000
Dibenz(a,h)anthracene	330	560
Dibenzofuran	14,000	210,000
Fluoranthene	100,000	500,000
Fluorene	100,000	386,000
Hexachlorobenzene	330	3,200
Indeno[1,2,3-cd]pyrene	500	5,600
Naphthalene	12,000	12,000
Pentachlorophenol	800	800
Phenanthrene	100,000	500,000
Phenol	330	330
Pyrene	100,000	500,000

TABLE 10
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SITE MANAGEMENT PLAN
CRITERIA FOR IMPORTED SOILS

METALS AND CYANIDE (mg/kg)	**Residential Use**	**Commercial or Industrial Uses**
Arsenic	16	16
Barium	350	400
Beryllium	14	47
Cadmium	2.5	7.5
Chromium (Trivalent)	36	1,500
Chromium (Hexavalent)	19	19
Copper	270	270
Cyanide (Total)	27	27
Lead	400	450
Manganese	2,000	2,000
Mercury (Total)	0.73	0.73
Nickel	130	130
Selenium	4	4
Silver	8.3	8.3
Zinc	2,200	2,480
POLYCHLORINATED BIPHENYLS (PCBs) (µg/kg)	**Residential Use**	**Commercial or Industrial Uses**
Total PCBs	1,000	1,000
PESTICIDES (µg/kg)	**Residential Use**	**Commercial or Industrial Uses**
4,4'-DDD	2,600	14,000
4,4'-DDE	1,800	17,000
4,4'-DDT	1,700	47,000
Aldrin	19	190
alpha-BHC	20	20
alpha-Chlordane	910	2,900
beta-BHC	72	90
delta-BHC	250	250
Dieldrin	39	100
Endosulfan I	4,800	102,000
Endosulfan II	4,800	102,000
Endosulfan sulfate	4,800	200,000
Endrin	60	60
gamma-BHC (Lindane)	100	100
Heptachlor	380	380
Silvex (2,4,5-TP)	3,800	3,800

Notes:
Derived from DER-10 Appendix 5
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
SCO - Soil Cleanup Objective
(1) - The SCO for m&p-xylene and o-xylene applies to total xylenes.

TABLE 11
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS

Sample ID						VD-3a (6-8)		VD-3b (13-15)		MW2-B1a (1-4)		MW2-B1b (6-8)		DGSUMP1 (0.5-1)		SS-01 (12)		SB-01 (0-6)		SB-01 (15-15.5)		SB-02 (0-6)		SB-02 (10-11)		SB-03 (1-2)		SB-04 (4-5)		SB-04 (8-9.5)		SB-05 (8-9)		DUP071807		SB-06 (1-2)		SB-07		TRC-SB1(6-8")	
Lab Sample ID						202141-1		202141-3		202842-1		202842-2		202842-3		E1084-05		F00991-01		F00991-02		F0991-03		F0991-04		F0991-05		F0991-07		F0991-06		F0991-08		F0991-10		F0991-11		F0991-09		460-25491-1	
Sampling Date						10-03-2002		10-03-2002		01-02-2003		01-02-2003		01-02-2003		07-22-2006		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		04-18-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Sludge		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		mg/kg		mg/kg		mg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Residential	
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	680	100,000	500,000	1,000,000	680	5	U	5	U	5	U	5	U	5	U	6,900	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	52	J	0.86	U
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,1-Dichloroethane	270	19,000	240,000	480,000	270	5	U	5	U	5	U	5	U	5	U	1,100	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,1-Dichloroethene	330	100,000	500,000	1,000,000	330	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	J	0.86	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	5	UJ	NA	
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		12	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,2,4-Trimethylbenzene	3,600	47,000	190,000	380,000	3,600	NA		NA		NA		NA		NA		140	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,2-Dibromo-3-Chloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,2-Dibromoethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,2-Dichlorobenzene	1,100	100,000	500,000	1,000,000	1,100	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,2-Dichloroethane	20	2,300	30,000	60,000	20	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,3,5-Trimethylbenzene	8,400	47,000	190,000	380,000	8,400	NA		NA		NA		NA		NA		60	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,3-Dichlorobenzene	2,400	17,000	280,000	560,000	2,400	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
1,4-Dichlorobenzene	1,800	9,800	130,000	250,000	1,800	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
1,4-Dioxane	100	9,800	130,000	250,000	100	NA		NA		NA		NA		NA		NA		6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	43		UR	
2-Butanone (MEK)	120	100,000	500,000	1,000,000	120	10	U	11	U	11	U	10	U	11	U	6	U	6	UJ	5	UJ	5	UJ	6	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	200	J	8.6	U		
2-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
2-Hexanone	NC	NC	NC	NC	NC	10	U	11	U	11	U	10	U	11	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	8.6	UJ		
4-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	10	U	11	U	11	U	10	U	11	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	8.6	U		
Acetone	50	100,000	500,000	1,000,000	50	10	U	11	U	11	U	10	U	7	J	6	UJ	18	J	5	U	22	J	50	J	60	J	50	J	37	J	95	J	68	J	18		25	J	8.6	U		
Benzene	60	2,900	44,000	89,000	60	5	U	5	U	5	U	5	U	5	U	7	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Bromobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
Bromochloromethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	UJ	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Bromodichloromethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Bromoform	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	UJ		
Bromomethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	UJ	5	U	5	UJ	6	UJ	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	0.86	U		
Carbon Disulfide	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	1	J	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Carbon Tetrachloride	760	1,400	22,000	44,000	760	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Chlorobenzene	1,100	100,000	500,000	1,000,000	1,100	5	U	5	U	0.6	J	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Chloroethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	17	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Chloroform	370	10,000	350,000	700,000	370	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	3	J	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Chloromethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
cis-1,2-Dichloroethene	250	59,000	500,000	1,000,000	250	5	U	5	U	5	U	5	U	5	U	1,700	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Cyclohexane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Dibromochloromethane	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Dibromomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
Dichlorodifluoromethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Ethylbenzene	1,000	30,000	390,000	780,000	1,000	NA	U	NA	U	NA	U	NA	U	NA	U	6,400	JA	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Hexachlorobutadiene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	UJ	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
Freon TF[2]	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Idomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
Isopropylbenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		29	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
m&p-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	NA		NA		NA		NA		NA		28,000	A	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	1.7	U		
Methyl Acetate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Methylcyclohexane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Methylene Chloride	50	51,000	500,000	1,000,000	50	2	B	2	B	2	JB	2	JB	26	B	150	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	U	110	J	0.86	U		
Methyl tert-butyl ether (MTBE)	930	62,000	500,000	1,000,000	930	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Napthalene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		12	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
n-Butylbenzene	12,000	100,000	500,000	1,000,000	12,000	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
n-Propylbenzene	3,900	100,000	500,000	1,000,000	3,900	NA		NA		NA		NA		NA		15	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
o-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	NA		NA		NA		NA		NA		5,600	JA	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
p-Isopropyltoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		8	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
sec-Butylbenzene	11,000	100,000	500,000	1,000,000	11,000	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Styrene	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
tert-Butylbenzene	5,900	100,000	500,000	1,000,000	5,900	NA		NA		NA		NA		NA		7	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Tetrachloroethene (PCE)	1,300	5,500	150,000	300,000	1,300	5	U	5	U	5	U	5	U	11		330,000	A	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	2	J	0.86	U		
Toluene	700	100,000	500,000	1,000,000	700	5	U	5	U	0.7	J	5	U	0.9	J	400	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
trans-1,2-Dichloroethene	190	100,000	500,000	1,000,000	190	5	U	5	U	5	U	5	U	5	U	380	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
trans-1,3-Dichloropropene	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Trichloroethene (TCE)	470	10,000	200,000	400,000	470	5	U	5	U	5	U	5	U	5	J	70,000	A	9		5	U	4	J	11		9		18		17		4	J	2	J	27		19	J	0.86	U		
Trichlorofluoromethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Vinyl Acetate	NC	NC	NC	NC	NC	5	U	5	U	5	U	5	U	5	U	6	U	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
Vinyl Chloride	20	210	13,000	27,000	20	5	U	5	U	5	U	5	U	5	U	6	J	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	0.86	U		
Xylene (Total)	NC[1]	NC[1]	NC[1]	NC[1]	NC[1]	5	U	5	U	5	U	5	U	5	U	33,000	A	6	U	5	U	5	U	6	U	5	U	5	U	5	U	5	U	5	U	5	UJ	NA			
Total VOCs	NC	NC	NC	NC	NC	2		2		3.3		2		49.9		483,943		27		0		26		64		70		68		54		99		70		45		413		0	

Notes:

µg/kg - micrograms per kilogram

[1] - The SCO for m&p-xylene and o-xylene applies to total xylenes.

[2] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and 1,1,2-trichlorotrifluoroethane.

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

* - Recovery or RPD exceeds control limits

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

A - Dilution Factor 80

sample.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 11
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS

Sample ID						TRC-SB1(15-17')		TRC-SB2(6-8")		TRC-SB2(6-8")A		TRC-SB2(14-16')		TRC-SB3(2-4")		TRC-SB3(2-4')		TRC-SB3(4-6')		TRC-SB4(10-12')		TRC-SB4(12-14")		TRC-SB5(6-8")		TRC-SB5(10-12')		TRC-SB6(6-8")		TRC-SB6(12-14')		TRC-SB7(11-13')		TRC-SB8(13.5-15.5')		TRC-SB9(5-7')		TRC-SB10(11-13')		TRC-SB11(6-8')	
Lab Sample ID						460-25491-2		460-25491-3		460-25491-4		460-25491-5		460-25491-6		460-25491-7		460-25491-8		460-25517-2		460-25517-1		460-25517-3		460-25517-4		460-25517-5		460-25517-6		460-27885-1		460-27885-2		460-27983-1		460-27885-3		460-27885-4	
Sampling Date						04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-19-2011		04-19-2011		04-19-2011		04-19-2011		04-19-2011		06-20-2011		06-20-2011		06-22-2011		06-20-2011		06-20-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Commercial		Commercial		Commercial		Commercial		Industrial		Industrial		Industrial		Industrial		Industrial	
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	680	100,000	500,000	1,000,000	680	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,1-Dichloroethane	270	19,000	240,000	480,000	270	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,1-Dichloroethene	330	100,000	500,000	1,000,000	330	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	0.49	J	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,2,4-Trimethylbenzene	3,600	47,000	190,000	380,000	3,600	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,2-Dibromo-3-Chloropropane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,2-Dibromoethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,2-Dichlorobenzene	1,100	100,000	500,000	1,000,000	1,100	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,2-Dichloroethane	20	2,300	30,000	60,000	20	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,3,5-Trimethylbenzene	8,400	47,000	190,000	380,000	8,400	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,3-Dichlorobenzene	2,400	17,000	280,000	560,000	2,400	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	1,800	9,800	130,000	250,000	1,800	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dioxane	100	9,800	130,000	250,000	100	44	UR	47	UR	54	UR	56	UR	53	UR	54	UR	54	UR	56	UR	49	UR	58	UR	47	UR	47	UR	54	UR	59	UR	57	UR	68	UR	48	UR
2-Butanone (MEK)	120	100,000	500,000	1,000,000	120	8.9	U	6.6	J	10		11	U	12	U	11	U	11	U	11	U	11	U	9.7	U	3.5	J	9.4	U	9.4	U	11	U	12	U	11	U	14	U	9.6	U
2-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
2-Hexanone	NC	NC	NC	NC	NC	8.9	UJ	9.4	UJ	10	UJ	11	UJ	12	UJ	11	UJ	11	UJ	11	U	11	U	9.7	U	11	U	9.4	U	9.4	U	11	U	12	U	11	U	14	U	9.6	U
4-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	8.9	U	9.4	U	10	U	11	U	12	U	11	U	11	U	11	U	11	U	9.7	U	2.4	J	9.4	U	9.4	U	11	U	12	U	11	U	14	U	9.6	U
Acetone	50	100,000	500,000	1,000,000	50	8.9	U	24	U	40	U	4.0	U	12	U	11	U	11	U	14	J	11	UJ	9.7	U	60	J	9.4	UJ	9.4	UJ	11	U	12	U	11	U	14	U	9.6	U
Benzene	60	2,900	44,000	89,000	60	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	0.84	J	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Bromobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Bromochloromethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Bromodichloromethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Bromoform	NC	NC	NC	NC	NC	0.89	UJ	0.94	UJ	1.0	UJ	1.1	UJ	1.2	UJ	1.1	UJ	1.1	UJ	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	UJ	1.4	U	0.96	U
Bromomethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Carbon Disulfide	NC	NC	NC	NC	NC	0.89	U	0.44	J	0.67	J	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.8		0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Carbon Tetrachloride	760	1,400	22,000	44,000	760	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Chlorobenzene	1,100	100,000	500,000	1,000,000	1,100	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Chloroethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Chloroform	370	10,000	350,000	700,000	370	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	3.5	
Chloromethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
cis-1,2-Dichloroethene	250	59,000	500,000	1,000,000	250	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Cyclohexane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Dibromochloromethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Dibromomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Dichlorodifluoromethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U *	1.1	U *	0.97	U *	1.1	U *	0.94	U *	0.94	U *	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Ethylbenzene	1,000	30,000	390,000	780,000	1,000	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.20	J B	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Freon TF[2]	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Idomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Isopropylbenzene	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
m&p-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	0.42	J	1.9	U	2.0	U	2.2	U	2.4	U	2.1	U	2.2	U	2.2	U	2.2	U	0.50	J B	2.2	U	1.9	U	1.9	U	2.2	U	2.4	U	2.3	U	2.7	U	1.9	U
Methyl Acetate	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Methylcyclohexane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Methylene Chloride	50	51,000	500,000	1,000,000	50	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Methyl tert-butyl ether (MTBE)	930	62,000	500,000	1,000,000	930	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Napthalene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
n-Butylbenzene	12,000	100,000	500,000	1,000,000	12,000	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
n-Propylbenzene	3,900	100,000	500,000	1,000,000	3,900	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
o-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	0.57	J	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
p-Isopropyltoluene	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
sec-Butylbenzene	11,000	100,000	500,000	1,000,000	11,000	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Styrene	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
tert-Butylbenzene	5,900	100,000	500,000	1,000,000	5,900	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Tetrachloroethene (PCE)	1,300	5,500	150,000	300,000	1,300	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	1.2		0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Toluene	700	100,000	500,000	1,000,000	700	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	0.88	J	1.1	U	0.97	U	0.53	J	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
trans-1,2-Dichloroethene	190	100,000	500,000	1,000,000	190	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
trans-1,3-Dichloropropene	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Trichloroethene (TCE)	470	10,000	200,000	400,000	470	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	8.2	
Trichlorofluoromethane	NC	NC	NC	NC	NC	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Vinyl Acetate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Vinyl Chloride	20	210	13,000	27,000	20	0.89	U	0.94	U	1.0	U	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	0.97	U	1.1	U	0.94	U	0.94	U	1.1	U	1.2	U	1.1	U	1.4	U	0.96	U
Xylene (Total)	NC[1]	NC[1]	NC[1]	NC[1]	NC[1]	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Total VOCs	NC	NC	NC	NC	NC	3.82		31.04		50.67		4		0		0		0		18.57		0.86		0.7		70.64		1.2		0		0		0		0		0		11.7	

Notes:
µg/kg - micrograms per kilogram

[1] - The SCO for m&p-xylene and o-xylene applies to total xylenes.

[2] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and 1,1,2-trichlorotrifluoroethane.

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

* - Recovery or RPD exceeds control limits

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

A - Dilution Factor 80
sample.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 11
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS

Sample ID						TRC-SB12(5-7')		TRC-SB13(6-8')		TRC-SB14(6-8')		TRC-SB16(10.5-12.5')		TRC-SB17(10-12')		TRC-SB18(9-11')		TRC-SB19(8.5-10.5')		TRC-SB20(7-9')		TRC-SB21(9-11')		TRC-SB22(16-18')		TRC-SB23(12-14')		TRC-SB23(12-14')A		TRC-SB24(15-17')		TRC-SB25(14-16')		TRC-SB26(10.5-12.5')		TRC-SB27(6-8')		TRC-SB28(9-11')	
Lab Sample ID						460-27885-5		460-27885-6		460-27885-7		460-27885-9		460-27926-1		460-27926-2		460-27926-3		460-27926-4		460-27983-2		460-27926-5		460-27926-6		460-27926-8		460-27926-7		460-27983-8		460-27983-3		460-27983-4		460-27983-5	
Sampling Date						06-20-2011		06-20-2011		06-20-2011		06-20-2011		06-21-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011		06-22-2011		06-22-2011		06-22-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	680	100,000	500,000	1,000,000	680	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,1-Dichloroethane	270	19,000	240,000	480,000	270	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,1-Dichloroethene	330	100,000	500,000	1,000,000	330	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,2,4-Trimethylbenzene	3,600	47,000	190,000	380,000	3,600	1	U	0.29	J	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	2		1.1	U	1.2	U	1.2	U
1,2-Dibromo-3-Chloropropane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,2-Dibromoethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,2-Dichlorobenzene	1,100	100,000	500,000	1,000,000	1,100	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,2-Dichloroethane	20	2,300	30,000	60,000	20	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,3,5-Trimethylbenzene	8,400	47,000	190,000	380,000	8,400	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	0.9	J	1.1	U	1.2	U	1.2	U
1,3-Dichlorobenzene	2,400	17,000	280,000	560,000	2,400	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	1,800	9,800	130,000	250,000	1,800	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dioxane	100	9,800	130,000	250,000	100	52	UR	53	UR	52	UR	53	UR	55	UR	53	UR	63	UR	53	UR	67	UR	58	UR	56	UR	68	UR	57	UR	58	UR	56	UR	68	UR	58	UR
2-Butanone (MEK)	120	100,000	500,000	1,000,000	120	10	U	11	U	10	U	11	U	11	U	11	U	13	U	11	U	13	U	12	U	11	U	14	U	11	U	12	U	11	U	12	U	12	U
2-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
2-Hexanone	NC	NC	NC	NC	NC	10	U	11	U	10	U	11	U	11	U	11	U	13	U	11	U	13	U	12	U	11	U	14	U	11	U	12	U	11	U	12	U	12	U
4-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	10	U	11	U	10	U	11	U	11	U	11	U	13	U	11	U	13	U	12	U	11	U	14	U	11	U	12	U	11	U	12	U	12	U
Acetone	50	100,000	500,000	1,000,000	50	10	U	11	U	10	U	11	U	11	U	11	U	13	U	11	U	13	U	12	U	11	U	14	U	11	U	12	U	11	U	12	U	12	U
Benzene	60	2,900	44,000	89,000	60	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Bromobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Bromochloromethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Bromodichloromethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	UJ	1.1	UJ	1.3	U	1.2	UJ	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Bromoform	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	UJ	1.1	UJ	1.3	UJ	1.1	UJ	1.3	U	1.2	UJ	1.1	UJ	1.4	UJ	1.1	UJ	1.2	UJ	1.1	UJ	1.2	UJ	1.2	UJ
Bromomethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	UJ	1.1	UJ	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Carbon Disulfide	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	0.56	J	1.1	U	1.2	U	1.2	U
Carbon Tetrachloride	760	1,400	22,000	44,000	760	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Chlorobenzene	1,100	100,000	500,000	1,000,000	1,100	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Chloroethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Chloroform	370	10,000	350,000	700,000	370	6		2.1		13		1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Chloromethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
cis-1,2-Dichloroethene	250	59,000	500,000	1,000,000	250	0.25	J	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Cyclohexane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Dibromochloromethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	UJ	1.4	UJ	1.1	UJ	1.2	U	1.1	U	1.2	U	1.2	U
Dibromomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Dichlorodifluoromethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Ethylbenzene	1,000	30,000	390,000	780,000	1,000	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Freon TF[2]	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Idomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Isopropylbenzene	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	0.33	J	1.1	U	1.2	U	1.2	U
m&p-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	2.1	U	2.1	U	2.1	U	2.1	U	2.2	U	2.1	U	2.5	U	2.1	U	2.7	U	2.3	U	2.2	U	2.7	U	2.3	U	2.3	U	2.3	U	2.4	U	2.3	U
Methyl Acetate	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Methylcyclohexane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Methylene Chloride	50	51,000	500,000	1,000,000	50	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Methyl tert-butyl ether (MTBE)	930	62,000	500,000	1,000,000	930	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Napthalene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
n-Butylbenzene	12,000	100,000	500,000	1,000,000	12,000	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
n-Propylbenzene	3,900	100,000	500,000	1,000,000	3,900	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
o-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	0.81	J	1.1	U	1.2	U	1.2	U
p-Isopropyltoluene	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
sec-Butylbenzene	11,000	100,000	500,000	1,000,000	11,000	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Styrene	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
tert-Butylbenzene	5,900	100,000	500,000	1,000,000	5,900	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Tetrachloroethene (PCE)	1,300	5,500	150,000	300,000	1,300	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	0.64	J	1.1	U	1.2	U	1.2	U
Toluene	700	100,000	500,000	1,000,000	700	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
trans-1,2-Dichloroethene	190	100,000	500,000	1,000,000	190	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
trans-1,3-Dichloropropene	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Trichloroethene (TCE)	470	10,000	200,000	400,000	470	15		2.9		1.7		1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Trichlorofluoromethane	NC	NC	NC	NC	NC	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Vinyl Acetate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Vinyl Chloride	20	210	13,000	27,000	20	1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.3	U	1.2	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.2	U	1.2	U
Xylene (Total)	NC[1]	NC[1]	NC[1]	NC[1]	NC[1]	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Total VOCs	NC	NC	NC	NC	NC	21.25	J	5.29	J	14.7		0		0		0		0		0		0		0		0		0		0		5.24	J	0		0		0	

Notes:
µg/kg - micrograms per kilogram

[1] - The SCO for m&p-xylene and o-xylene applies to total xylenes.

[2] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and 1,1,2-trichlorotrifluoroethane.

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

* - Recovery or RPD exceeds control limits

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

A - Dilution Factor 80
sample.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 11
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS

Sample ID						TRC-SB29(4-6')		TRC-SB30(6-8')		TRC-SB31(11-13')		TRC-SB31(11-13')A		TRC-SB32(8-10')	
Lab Sample ID						460-27983-6		460-27926-9		460-27926-10		460-27926-11		460-27983-7	
Sampling Date						06-22-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011	
Matrix						Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial	
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	680	100,000	500,000	1,000,000	680	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,1-Dichloroethane	270	19,000	240,000	480,000	270	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,1-Dichloroethene	330	100,000	500,000	1,000,000	330	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,2,4-Trimethylbenzene	3,600	47,000	190,000	380,000	3,600	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,2-Dibromo-3-Chloropropane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,2-Dibromoethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,2-Dichlorobenzene	1,100	100,000	500,000	1,000,000	1,100	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,2-Dichloroethane	20	2,300	30,000	60,000	20	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,3,5-Trimethylbenzene	8,400	47,000	190,000	380,000	8,400	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,3-Dichlorobenzene	2,400	17,000	280,000	560,000	2,400	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	1,800	9,800	130,000	250,000	1,800	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
1,4-Dioxane	100	9,800	130,000	250,000	100	58	UR	56	UR	59	UR	50	UR	58	UR
2-Butanone (MEK)	120	100,000	500,000	1,000,000	120	11	U	11	U	11	U	9.9	U	15	
2-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
2-Hexanone	NC	NC	NC	NC	NC	11	U	11	U	11	U	9.9	U	12	U
4-Chlorotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	11	U	11	U	11	U	9.9	U	12	U
Acetone	50	100,000	500,000	1,000,000	50	12		11	U	11	U	9.9	U	85	
Benzene	60	2,900	44,000	89,000	60	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Bromobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
Bromochloromethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Bromodichloromethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Bromoform	NC	NC	NC	NC	NC	1.1	UJ	1.1	UJ	1.1	UJ	0.99	UJ	1.2	UJ
Bromomethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Carbon Disulfide	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Carbon Tetrachloride	760	1,400	22,000	44,000	760	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Chlorobenzene	1,100	100,000	500,000	1,000,000	1,100	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Chloroethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Chloroform	370	10,000	350,000	700,000	370	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Chloromethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
cis-1,2-Dichloroethene	250	59,000	500,000	1,000,000	250	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Cyclohexane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Dibromochloromethane	NC	NC	NC	NC	NC	1.1	U	1.1	UJ	1.1	UJ	0.99	UJ	1.2	U
Dibromomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
Dichlorodifluoromethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Ethylbenzene	1,000	30,000	390,000	780,000	1,000	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
Freon TF[2]	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Idomethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
Isopropylbenzene	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
m&p-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	2.2	U	2.3	U	2.1	U	2	U	2.3	U
Methyl Acetate	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Methylcyclohexane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Methylene Chloride	50	51,000	500,000	1,000,000	50	1	J	1.1	U	1.1	U	0.99	U	1.2	U
Methyl tert-butyl ether (MTBE)	930	62,000	500,000	1,000,000	930	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Napthalene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
n-Butylbenzene	12,000	100,000	500,000	1,000,000	12,000	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
n-Propylbenzene	3,900	100,000	500,000	1,000,000	3,900	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
o-Xylene	260[1]	100,000[1]	500,000[1]	1,000,000[1]	1,600[1]	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
p-Isopropyltoluene	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
sec-Butylbenzene	11,000	100,000	500,000	1,000,000	11,000	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Styrene	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
tert-Butylbenzene	5,900	100,000	500,000	1,000,000	5,900	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Tetrachloroethene (PCE)	1,300	5,500	150,000	300,000	1,300	0.54	J	1.1	U	0.83	J	0.93	J	1.2	U
Toluene	700	100,000	500,000	1,000,000	700	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
trans-1,2-Dichloroethene	190	100,000	500,000	1,000,000	190	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
trans-1,3-Dichloropropene	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Trichloroethene (TCE)	470	10,000	200,000	400,000	470	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Trichlorofluoromethane	NC	NC	NC	NC	NC	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Vinyl Acetate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA	
Vinyl Chloride	20	210	13,000	27,000	20	1.1	U	1.1	U	1.1	U	0.99	U	1.2	U
Xylene (Total)	NC[1]	NC[1]	NC[1]	NC[1]	NC[1]	NA		NA		NA		NA		NA	
Total VOCs	NC	NC	NC	NC	NC	13.54	J	0		0.83	J	0.93	J	100	

Notes:
µg/kg - micrograms per kilogram

[1] - The SCO for m&p-xylene and o-xylene applies to total xylenes.

[2] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and 1,1,2-trichlorotrifluoroethane.

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
* - Recovery or RPD exceeds control limits
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
A - Dilution Factor 80
sample.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 12
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID					VD-3a (6-8)		VD-3b (13-15)		MW2-B1a (1-4)		MW2-B1b (6-8)		DGSUMP1 (0.5-1)		TRC-SB1(6-8")		TRC-SB1(15-17')		TRC-SB2(6-8")		TRC-SB2(6-8")A		TRC-SB2(14-16')		TRC-SB3(2-4")		TRC-SB3(2-4')		TRC-SB3(4-6')		TRC-SB4(12-14")		TRC-SB4(10-12')	
Lab Sample ID					202141-1		202141-3		202842-1		202842-2		202842-3		460-25491-1		460-25491-2		460-25491-3		460-25491-4		460-25491-5		460-25491-6		460-25491-7		460-25491-8		460-25517-1		460-25517-2	
Sampling Date					10-03-2002		10-03-2002		01-02-2003		01-02-2003		01-02-2003		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-19-2011		04-19-2011	
Matrix					Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor					1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Units					µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use					Industrial		Industrial		Industrial		Industrial		Industrial		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	UJ	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2,2'-oxybis[1-chloropropane]	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2,3,4,6-Tetrachlorophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	UJ	370	UJ	390	UJ	370	UJ	400	UJ	410	UJ	400	UJ	380	U	350	U
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		1,100	U	1,100	UR	1,100	UR	1,200	UR	1,100	UR	1,200	UR	1,200	UR	1,200	UR	1,100	U	1,100	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		75	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	77	U	71	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		75	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	77	U	71	U
2-Chloronaphthalene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2-Chlorophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	330	U	350	U	350	U	330	U	360	U	370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2-Methylphenol (o-cresol)	330	100,000	500,000	1,000,000	330	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
2-Nitroaniline	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		750	U	730	U	760	U	790	U	750	U	820	U	820	U	810	U	770	U	710	U
2-Nitrophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
3 & 4 Methylphenol (m&p-cresol)	330	34,000	500,000	1,000,000	330	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		750	U	730	U	760	U	790	U	750	U	820	U	820	U	810	U	770	U	710	U
3-Nitroaniline	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		750	U	730	U	760	U	790	U	750	U	820	U	820	U	810	U	770	U	710	U
4,6-Dinitro-2-methylphenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		1,100	U	1,100	U	1,100	U	1,200	U	1,100	U	1,200	U	1,200	U	1,200	U	1,100	U	1,100	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
4-Chloro-3-methylphenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
4-Chloroaniline	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
4-Methylphenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
4-Nitroaniline	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		750	U	730	U	760	U	790	U	750	U	820	U	810	U	770	U	710	U	710	U
4-Nitrophenol	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		1,100	U	1,100	U	1,100	U	1,200	U	1,100	U	1,200	U	1,200	U	1,200	U	1,100	U	1,100	U
Acenaphthene	20,000	100,000	500,000	1,000,000	98,000	330	U	350	U	37	J	330	U	360	U	370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Acenaphthylene	100,000	100,000	500,000	1,000,000	107,000	330	U	350	U	12	J	330	U	360	U	370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Acetophenone	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Anthracene	100,000	100,000	500,000	1,000,000	1,000,000	330	U	350	U	81	J	330	U	360	U	370	U	360	U	370	U	390	U	370	U	82	J	410	U	400	U	380	U	350	U
Atrazine	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Benzaldehyde	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	UJ	360	UJ	370	UJ	390	UJ	370	UJ	400	UJ	410	UJ	400	UJ	380	UJ	350	UJ
Benzo[a]anthracene	1,000	1,000	5,600	11,000	1,000	330	U	350	U	200	J	330	U	360	U	37	U	36	U	37	U	140	U	37	U	450		41	U	40	U	38	U	35	U
Benzo[a]pyrene	1,000	1,000	1,000	1,100	22,000	330	U	350	U	160	J	330	U	360	U	39	J	36	U	110		120	U	37	U	480		41	U	40	U	38	U	35	U
Benzo[b]fluoranthene	1,000	1,000	5,600	11,000	1,700	330	U	350	U	140	J	330	U	360	U	41		36	U	140		180	U	37	U	720		41	U	40	U	38	U	35	U
Benzo[g,h,i]perylene	100,000	100,000	500,000	1,000,000	1,000,000	330	U	350	U	83	J	330	U	360	U	44	J	360	U	75	J	85	U	370	U	430		410	U	400	U	380	U	350	U
Benzo[k]fluoranthene	800	1,000	56,000	110,000	1,700	330	U	350	U	160	J	330	U	360	U	37	U	36	U	37	U	61	U	37	U	40	U	41	U	40	U	38	U	35	U
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		37	U	36	U	37	U	39	U	37	U	40	U	41	U	40	U	38	U	35	U
Bis(2-ethylhexyl) phthalate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	320	J	150	U	370	U	190	J	410	U	400	U	380	U	350	U
Butyl benzyl phthalate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Caprolactam	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Carbazole	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Chrysene	1,000	1,000	56,000	110,000	1,000	330	U	350	U	210	J	330	U	360	U	370	U	360	U	200	J	150	U	370	U	580		410	U	400	U	380	U	350	U
Dibenz(a,h)anthracene	330	330	560	1,100	1,000,000	330	U	350	U	35	J	330	U	360	U	19	J	36	U	37	U	26	U	37	U	120		41	U	40	U	38	U	35	U
Dibenzofuran	7,000	14,000	350,000	1,000,000	210,000	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Diethyl phthalate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Dimethyl phthalate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Di-n-butyl phthalate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Di-n-octyl phthalate	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Diphenyl (1,1'-Biphenyl)	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Fluoranthene	100,000	100,000	500,000	1,000,000	1,000,000	330	U	350	U	490		330	U	360	U	370	U	360	U	370	U	280	U	370	U	890		410	U	400	U	380	U	350	U
Fluorene	30,000	100,000	500,000	1,000,000	386,000	330	U	350	U	47	J	330	U	360	U	370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Hexachlorobenzene	330	330	6,000	12,000	3,200	NA		NA		NA		NA		NA		37	U	36	U	37	U	39	U	37	U	40	U	41	U	40	U	38	U	35	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		75	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	77	U	71	U
Hexachlorocyclopentadiene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U *	380	U	350	U
Hexachloroethane	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		37	U	36	U	37	U	39	U	37	U	40	U	41	U	40	U	38	U	35	U
Indeno[1,2,3-cd]pyrene	500	500	5,600	11,000	8,200	330	U	350	U	88	J	330	U	360	U	36	J	36	U	56		95	U	37	U	400		41	U	40	U	38	U	35	U
Isophorone	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Naphthalene	12,000	100,000	500,000	1,000,000	12,000	330	U	350	U	44	J	300	U	360	U	370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Nitrobenzene	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		37	U	36	U	37	U	39	U	37	U	40	U	41	U	40	U	38	U	35	U
N-Nitrosodi-n-propylamine	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		37	UJ	36	U	37	U	39	U	37	U	40	U	41	U	40	U	38	U	35	U
N-Nitrosodiphenylamine	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Pentachlorophenol	800	2,400	6,700	55,000	800	NA		NA		NA		NA		NA		1,100	U	1,100	U	1,100	U	1,200	U	1,100	U	1,200	U	1,200	U	1,200	U	1,100	U	1,100	U
Phenanthrene	100,000	100,000	500,000	1,000,000	1,000,000	330	U	350	U	480		330	U	360	U	370	U	360	U	370	U	160	U	370	U	330	J	410	U	400	U	380	U	350	U
Phenol	330	100,000	500,000	1,000,000	330	NA		NA		NA		NA		NA		370	U	360	U	370	U	390	U	370	U	400	U	410	U	400	U	380	U	350	U
Pyrene	100,000	100,000	500,000	1,000,000	1,000,000	330	U	350	U	470		330	U	360	U	370	U	360	U	110	J	190	U	370	U	710		410	U	400	U	380	U	350	U
Total SVOCs	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		179		0		1,011		1,637	U	0		5,382		0		0		0		0	

Notes:

µg/kg - micrograms per kilogram

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

* - Recovery or RPD exceeds control limits

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 12
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID					TRC-SB5(6-8")		TRC-SB5(10-12')		TRC-SB6(6-8")		TRC-SB6(12-14')		TRC-SB7(11-13')		TRC-SB8(13.5-15.5')		TRC-SB9(5-7')		TRC-SB10(11-13')		TRC-SB11(6-8')		TRC-SB12(5-7')		TRC-SB13(6-8')		TRC-SB14(6-8')	
Lab Sample ID					460-25517-3		460-25517-4		460-25517-5		460-25517-6		460-27885-1		460-27885-2		460-27983-1		460-27885-3		460-27885-4		460-27885-5		460-27885-6		460-27885-7	
Sampling Date					04-19-2011		04-19-2011		04-19-2011		04-19-2011		06-20-2011		06-20-2011		06-22-2011		06-20-2011		06-20-2011		06-20-2011		06-20-2011		06-20-2011	
Matrix					Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor					1		1		1		1		1		1		1		1		1		1		1		1	
Units					µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use					Commercial		Commercial		Commercial		Commercial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2,2'-oxybis[1-chloropropane]	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2,3,4,6-Tetrachlorophenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	UJ *	350	UJ *	340	UJ *	360	UJ *
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,100	U	1,000	U	1,000	U	R		1,100	U	1,000	U	1,100	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	73	U	74	U	76	U	71	U	69	U	73	U	70	U	69	U	71	U	71	U	70	U	73	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	73	U	74	U	76	U	71	U	69	U	73	U	70	U	69	U	71	U	71	U	70	U	73	U
2-Chloronaphthalene	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2-Chlorophenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2-Methylphenol (o-cresol)	330	100,000	500,000	1,000,000	330	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
2-Nitroaniline	NC	NC	NC	NC	NC	730	U	740	U	760	U	710	U	690	U	730	U	700	U	690	U	710	U	710	U	700	U	730	U
2-Nitrophenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
3 & 4 Methylphenol (m&p-cresol)	330	34,000	500,000	1,000,000	330	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	730	U	740	U	760	U	710	U	690	U	730	U	700	U	690	U	710	U	710	U	700	U	730	U
3-Nitroaniline	NC	NC	NC	NC	NC	730	U	740	U	760	U	710	U	690	U	730	U	700	U	690	U	710	U	710	U	700	U	730	U
4,6-Dinitro-2-methylphenol	NC	NC	NC	NC	NC	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,100	U	1,000	U	1,000	U	1,100	U	1,100	U	1,000	U	1,100	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
4-Chloro-3-methylphenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
4-Chloroaniline	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
4-Methylphenol	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
4-Nitroaniline	NC	NC	NC	NC	NC	730	U	740	U	760	U	710	U	690	U	730	U	700	U	690	U	710	U	710	U	700	U	730	U
4-Nitrophenol	NC	NC	NC	NC	NC	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,100	U	1,000	U	1,000	U	1,100	U	1,100	U	1,000	U	1,100	U
Acenaphthene	20,000	100,000	500,000	1,000,000	98,000	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Acenaphthylene	100,000	100,000	500,000	1,000,000	107,000	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Acetophenone	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Anthracene	100,000	100,000	500,000	1,000,000	1,000,000	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	150	J	350	U	340	U	360	U
Atrazine	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Benzaldehyde	NC	NC	NC	NC	NC	360	UJ	370	UJ	370	UJ	350	UJ	340	UJ	360	UJ	350	UJ	340	UJ	350	UJ	350	UJ	340	UJ	360	UJ
Benzo[a]anthracene	1,000	1,000	5,600	11,000	1,000	99		91		140		35	U	34	U	36	U	35	U	34	U	250		210		34	U	36	U
Benzo[a]pyrene	1,000	1,000	1,000	1,100	22,000	130		110		150		35	U	34	U	36	U	35	U	34	U	220		290		34	U	36	U
Benzo[b]fluoranthene	1,000	1,000	5,600	11,000	1,700	150		120		180		35	U	34	U	36	U	35	U	34	U	260		300		34	U	36	U
Benzo[g,h,i]perylene	100,000	100,000	500,000	1,000,000	1,000,000	120	J	110	J	110	J	350	U	340	U	360	U	350	U	340	U	96	J	310	J	340	U	360	U
Benzo[k]fluoranthene	800	1,000	56,000	110,000	1,700	36	U	53		37	U	35	U	34	U	36	U	35	U	34	U	95		120		34	U	36	U
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	36	U	37	U	37	U	35	U	34	U	36	U	35	U	34	U	35	U	35	U	34	U	36	U
Bis(2-ethylhexyl) phthalate	NC	NC	NC	NC	NC	130	J	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Butyl benzyl phthalate	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Caprolactam	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Carbazole	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	92	J	350	U	340	U	360	U
Chrysene	1,000	1,000	56,000	110,000	1,000	100	J	99	J	150	J	350	U	340	U	360	U	350	U	340	U	240	J	360		340	U	360	U
Dibenz(a,h)anthracene	330	330	560	1,100	1,000,000	36	U	37	U	27	J	35	U	34	U	36	U	35	U	34	U	28	J	35	U	34	U	36	U
Dibenzofuran	7,000	14,000	350,000	1,000,000	210,000	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Diethyl phthalate	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Dimethyl phthalate	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Di-n-butyl phthalate	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Di-n-octyl phthalate	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Diphenyl (1,1'-Biphenyl)	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Fluoranthene	100,000	100,000	500,000	1,000,000	1,000,000	140	J	170	J	160	J	350	U	340	U	360	U	350	U	340	U	750		330	J	340	U	360	U
Fluorene	30,000	100,000	500,000	1,000,000	386,000	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Hexachlorobenzene	330	330	6,000	12,000	3,200	36	U	37	U	37	U	35	U	34	U	36	U	35	U	34	U	35	U	35	U	34	U	36	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	73	U	74	U	76	U	71	U	69	U	73	U	70	U	69	U	71	U	71	U	70	U	73	U
Hexachlorocyclopentadiene	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Hexachloroethane	NC	NC	NC	NC	NC	36	U	37	U	37	U	35	U	34	U	36	U	35	U	34	U	35	U	35	U	34	U	36	U
Indeno[1,2,3-cd]pyrene	500	500	5,600	11,000	8,200	110		100		120		35	U	34	U	36	U	35	U	34	U	110		250		34	U	36	U
Isophorone	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Naphthalene	12,000	100,000	500,000	1,000,000	12,000	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Nitrobenzene	NC	NC	NC	NC	NC	36	U	37	U	37	U	35	U	34	U	36	U	35	U	34	U	35	U	35	U	34	U	36	U
N-Nitrosodi-n-propylamine	NC	NC	NC	NC	NC	36	U	37	U	37	U	35	U	34	U	36	U	35	U	34	U	35	U	35	U	34	U	36	U
N-Nitrosodiphenylamine	NC	NC	NC	NC	NC	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Pentachlorophenol	800	2,400	6,700	55,000	800	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,100	U	1,000	U	1,000	U	1,100	U	1,100	U	1,000	U	1,100	U
Phenanthrene	100,000	100,000	500,000	1,000,000	1,000,000	360	U	64	J	370	U	350	U	340	U	360	U	350	U	340	U	670		200	J	340	U	360	U
Phenol	330	100,000	500,000	1,000,000	330	360	U	370	U	370	U	350	U	340	U	360	U	350	U	340	U	350	U	350	U	340	U	360	U
Pyrene	100,000	100,000	500,000	1,000,000	1,000,000	140	J	140	J	140	J	350	U	340	U	360	U	350	U	340	U	400		520		340	U	360	U
Total SVOCs	NC	NC	NC	NC	NC	1,119		1,057		1,177		0		0		0		0		0		3,361	J	2,890	J	0		0	

Notes:

µg/kg - micrograms per kilogram

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

* - Recovery or RPD exceeds control limits

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

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TABLE 12
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID						TRC-SB16(10.5-12.5')		TRC-SB17(10-12')		TRC-SB18(9-11')		TRC-SB19(8.5-10.5')		TRC-SB20(7-9')		TRC-SB21(9-11')		TRC-SB22(16-18')		TRC-SB23(12-14')		TRC-SB23(12-14')A		TRC-SB24(15-17')		TRC-SB25(14-16')		TRC-SB26(10.5-12.5')		TRC-SB27(6-8')	
Lab Sample ID						460-27885-9		460-27926-1		460-27926-2		460-27926-3		460-27926-4		460-27983-2		460-27926-5		460-27926-6		460-27926-8		460-27926-7		460-27983-8		460-27983-3		460-27983-4	
Sampling Date						06-20-2011		06-21-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011		06-21-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011		06-22-2011		06-22-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	UJ	340	U	340	U
2,2'-oxybis[1-chloropropane]	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2,3,4,6-Tetrachlorophenol	NC	NC	NC	NC	NC	340	UJ *	360	UJ	350	UJ	360	UJ	350	UJ	370	U	340	UJ	340	UJ	340	UJ	340	UJ	370	UJ	340	U	340	U
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	1,000	U	1,100	U	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,000	U	1,000	U	1,000	U	1,100	U	1,000	U	1,000	UR
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	70	U	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U	70	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	70	U	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U	70	U
2-Chloronaphthalene	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2-Chlorophenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2-Methylphenol (o-cresol)	330	100,000	500,000	1,000,000	330	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
2-Nitroaniline	NC	NC	NC	NC	NC	700	U	730	U	710	U	720	U	710	U	750	U	690	U	690	U	690	U	690	U	760	U	680	U	700	U
2-Nitrophenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
3 & 4 Methylphenol (m&p-cresol)	330	34,000	500,000	1,000,000	330	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	700	U	730	U	710	U	720	U	710	U	750	U	690	U	690	U	690	U	690	U	760	U	680	U	700	U
3-Nitroaniline	NC	NC	NC	NC	NC	700	U	730	U	710	U	720	U	710	U	750	U	690	U	690	U	690	U	690	U	760	U	680	U	700	U
4,6-Dinitro-2-methylphenol	NC	NC	NC	NC	NC	1,000	U	1,100	U	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,000	U	1,000	U	1,000	U	1,100	U	1,000	U	1,000	UR
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
4-Chloro-3-methylphenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
4-Chloroaniline	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
4-Methylphenol	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
4-Nitroaniline	NC	NC	NC	NC	NC	700	U	730	U	710	U	720	U	710	U	750	U	690	U	690	U	690	U	690	U	760	U	680	U	700	U
4-Nitrophenol	NC	NC	NC	NC	NC	1,000	U	1,100	U	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,000	U	1,000	U	1,000	U	1,100	U	1,000	U	1,000	U
Acenaphthene	20,000	100,000	500,000	1,000,000	98,000	340	U	360	U	350	U	120	J	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Acenaphthylene	100,000	100,000	500,000	1,000,000	107,000	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Acetophenone	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Anthracene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	360	U	350	U	310	J	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Atrazine	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Benzaldehyde	NC	NC	NC	NC	NC	340	UJ	360	UJ	350	UJ	360	UJ	350	UJ	370	UJ	340	UJ	340	UJ	340	UJ	340	UJ	370	UJ	340	UJ	340	UJ
Benzo[a]anthracene	1,000	1,000	5,600	11,000	1,000	34	U	36	U	35	U	760		35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Benzo[a]pyrene	1,000	1,000	1,000	1,100	22,000	34	U	36	U	35	U	690		29	J	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Benzo[b]fluoranthene	1,000	1,000	5,600	11,000	1,700	34	U	34	J	35	U	770		37		37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Benzo[g,h,i]perylene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	360	U	350	U	500		350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Benzo[k]fluoranthene	800	1,000	56,000	110,000	1,700	34	U	36	UJ	35	U	350		35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	34	U	36	U	35	U	36	U	35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Bis(2-ethylhexyl) phthalate	NC	NC	NC	NC	NC	340	U	360	U	350	U	120	J	350	U	370	U	340	U	340	U	340	U	340	U	160	J	340	U	340	U
Butyl benzyl phthalate	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Caprolactam	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Carbazole	NC	NC	NC	NC	NC	340	U	360	U	350	U	170	J	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Chrysene	1,000	1,000	56,000	110,000	1,000	340	U	360	U	350	U	760		350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Dibenz(a,h)anthracene	330	330	560	1,100	1,000,000	34	U	36	U	35	U	130		35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Dibenzofuran	7,000	14,000	350,000	1,000,000	210,000	340	U	360	U	350	U	74	J	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Diethyl phthalate	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Dimethyl phthalate	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Di-n-butyl phthalate	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Di-n-octyl phthalate	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Diphenyl (1,1'-Biphenyl)	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Fluoranthene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	360	U	350	U	1,600		66	J	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Fluorene	30,000	100,000	500,000	1,000,000	386,000	340	U	360	U	350	U	110	J	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Hexachlorobenzene	330	330	6,000	12,000	3,200	34	U	36	U	35	U	36	U	35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	70	U	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U	70	U
Hexachlorocyclopentadiene	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Hexachloroethane	NC	NC	NC	NC	NC	34	U	36	U	35	U	36	U	35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Indeno[1,2,3-cd]pyrene	500	500	5,600	11,000	8,200	34	U	36	U	35	U	500		35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
Isophorone	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Naphthalene	12,000	100,000	500,000	1,000,000	12,000	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Nitrobenzene	NC	NC	NC	NC	NC	34	U	36	U	35	U	36	U	35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
N-Nitrosodi-n-propylamine	NC	NC	NC	NC	NC	34	U	36	U	35	U	36	U	35	U	37	U	34	U	34	U	34	U	34	U	37	U	34	U	34	U
N-Nitrosodiphenylamine	NC	NC	NC	NC	NC	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Pentachlorophenol	800	2,400	6,700	55,000	800	1,000	U	1,100	U	1,100	U	1,100	U	1,100	U	1,100	U	1,000	U	1,000	U	1,000	U	1,000	U	1,100	U	1,000	U	1,000	U
Phenanthrene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	360	U	350	U	1,300		350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Phenol	330	100,000	500,000	1,000,000	330	340	U	360	U	350	U	360	U	350	U	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Pyrene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	360	U	350	U	1,400		62	J	370	U	340	U	340	U	340	U	340	U	370	U	340	U	340	U
Total SVOCs	NC	NC	NC	NC	NC	0		34	J	0		9,664	J	194	J	0		0		0		0		0		160	J	0		0	

Notes:

µg/kg - micrograms per kilogram

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

* - Recovery or RPD exceeds control limits

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 12
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID					TRC-SB28(9-11')		TRC-SB29(4-6')		TRC-SB30(6-8')		TRC-SB31(11-13')		TRC-SB31(11-13')A		TRC-SB32(8-10')	
Lab Sample ID					460-27983-5		460-27983-6		460-27926-9		460-27926-10		460-27926-11		460-27983-7	
Sampling Date					06-22-2011		06-22-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011	
Matrix					Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor					1		10		1		1		1		1	
Units					µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use					Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2,2'-oxybis[1-chloropropane]	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2,3,4,6-Tetrachlorophenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	UJ	340	UJ	340	U	350	U
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	1,000	U	10,000	U	1,000	UR	1,000	U	1,000	U	1,100	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	69	U	690	U	67	U	68	U	69	U	72	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	69	U	690	U	67	U	68	U	69	U	72	U
2-Chloronaphthalene	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2-Chlorophenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	340	U	510	J	330	U	340	U	340	U	350	U
2-Methylphenol (o-cresol)	330	100,000	500,000	1,000,000	330	340	U	3,400	U	330	U	340	U	340	U	350	U
2-Nitroaniline	NC	NC	NC	NC	NC	690	U	6,900	U	670	U	680	U	690	U	720	U
2-Nitrophenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
3 & 4 Methylphenol (m&p-cresol)	330	34,000	500,000	1,000,000	330	340	U	3,400	U	330	U	340	U	340	U	350	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	690	U	6,900	U	670	U	680	U	690	U	720	U
3-Nitroaniline	NC	NC	NC	NC	NC	690	U	6,900	U	670	U	680	U	690	U	720	U
4,6-Dinitro-2-methylphenol	NC	NC	NC	NC	NC	1,000	U	10,000	U	1,000	UR	1,000	U	1,000	U	1,100	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
4-Chloro-3-methylphenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
4-Chloroaniline	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
4-Methylphenol	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
4-Nitroaniline	NC	NC	NC	NC	NC	690	U	6,900	U	670	U	680	U	690	U	720	U
4-Nitrophenol	NC	NC	NC	NC	NC	1,000	U	10,000	U	1,000	U	1,000	U	1,000	U	1,100	U
Acenaphthene	20,000	100,000	500,000	1,000,000	98,000	340	U	3,400		330	U	340	U	340	U	350	U
Acenaphthylene	100,000	100,000	500,000	1,000,000	107,000	340	U	3,400	U	330	U	340	U	340	U	350	U
Acetophenone	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Anthracene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	5,800		330	U	340	U	340	U	350	U
Atrazine	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Benzaldehyde	NC	NC	NC	NC	NC	340	UJ	3,400	UJ	330	UJ	340	UJ	340	UJ	350	UJ
Benzo[a]anthracene	1,000	1,000	5,600	11,000	1,000	34	U	18,000		33	U	34	U	34	U	35	U
Benzo[a]pyrene	1,000	1,000	1,000	1,100	22,000	34	U	17,000		33	U	34	U	34	U	35	U
Benzo[b]fluoranthene	1,000	1,000	5,600	11,000	1,700	34	U	19,000		33	U	34	U	34	U	35	U
Benzo[g,h,i]perylene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	12,000		330	U	340	U	340	U	350	U
Benzo[k]fluoranthene	800	1,000	56,000	110,000	1,700	34	U	9,900		33	U	34	U	34	U	35	U
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	34	U	340	U	33	U	34	U	34	U	35	U
Bis(2-ethylhexyl) phthalate	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Butyl benzyl phthalate	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Caprolactam	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Carbazole	NC	NC	NC	NC	NC	340	U	3,300	J	330	U	340	U	340	U	350	U
Chrysene	1,000	1,000	56,000	110,000	1,000	340	U	16,000		330	U	340	U	340	U	350	U
Dibenz(a,h)anthracene	330	330	560	1,100	1,000,000	34	U	3,000		33	U	34	U	34	U	35	U
Dibenzofuran	7,000	14,000	350,000	1,000,000	210,000	340	U	1,800	J	330	U	340	U	340	U	350	U
Diethyl phthalate	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Dimethyl phthalate	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Di-n-butyl phthalate	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Di-n-octyl phthalate	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Diphenyl (1,1'-Biphenyl)	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Fluoranthene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	26,000		330	U	340	U	340	U	350	U
Fluorene	30,000	100,000	500,000	1,000,000	386,000	340	U	1,500	J	330	U	340	U	340	U	350	U
Hexachlorobenzene	330	330	6,000	12,000	3,200	34	U	340	U	33	U	34	U	34	U	35	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	69	U	690	U	67	U	68	U	69	U	72	U
Hexachlorocyclopentadiene	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Hexachloroethane	NC	NC	NC	NC	NC	34	U	340	U	33	U	34	U	34	U	35	U
Indeno[1,2,3-cd]pyrene	500	500	5,600	11,000	8,200	34	U	9,900		33	U	34	U	34	U	35	U
Isophorone	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	120	J
Naphthalene	12,000	100,000	500,000	1,000,000	12,000	340	U	570	J	330	U	340	U	340	U	350	U
Nitrobenzene	NC	NC	NC	NC	NC	34	U	340	U	33	U	34	U	34	U	35	U
N-Nitrosodi-n-propylamine	NC	NC	NC	NC	NC	34	U	340	U	33	U	34	U	34	U	35	U
N-Nitrosodiphenylamine	NC	NC	NC	NC	NC	340	U	3,400	U	330	U	340	U	340	U	350	U
Pentachlorophenol	800	2,400	6,700	55,000	800	1,000	U	10,000	U	1,000	U	1,000	U	1,000	U	1,100	U
Phenanthrene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	25,000		330	U	340	U	340	U	350	U
Phenol	330	100,000	500,000	1,000,000	330	340	U	3,400	U	330	U	340	U	340	U	350	U
Pyrene	100,000	100,000	500,000	1,000,000	1,000,000	340	U	28,000		330	U	340	U	340	U	350	U
Total SVOCs	NC	NC	NC	NC	NC	0		200,680	J	0		0		0		120	J

Notes:

µg/kg - micrograms per kilogram

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

* - Recovery or RPD exceeds control limits

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 13
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR METALS AND CYANIDE

Sample ID						VD-3a (6-8)		VD-3b (13-15)		MW2-B1a (1-4)		MW2-B1b (6-8)		DGSUMP1 (0.5-1)		SS-01 (12)		SS-02 (1-1.5)		SS-02 (7-7.5)		SS-02 (13-13.5)		SS-02 (15-15.5)		SB-01 (0-6)		SB-01 (14-15.5)		SB-02 (0-6)		SB-02 (10-11)	
Lab Sample ID						202141-1		202141-3		202842-1		202842-2		202842-3		E1084-05		E1084-07		E1084-06		E1084-04		E1084-03		F0991-01		F0991-02		F0991-03		F0991-04	
Sampling Date						10-03-2002		10-03-2002		01-02-2003		01-02-2003		01-02-2003		07-22-2006		07-23-2007		07-23-2007		07-23-2007		07-23-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007	
Matrix						Solid		Solid		Solid		Solid		Solid		Sludge		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
METALS AND CYANIDE (mg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		355		13,800		9,890		9,580		6,910		9,880		7,340		11,100		15,300	
Antimony	NC	NC	NC	NC	NC	10.6	U	10.2	U	9.8	U	9.5	U	9.4	U	112	J	0.036	UJ	0.042	UJ	0.042	UJ	0.039	UJ	0.057	UJ	0.053	UJ	0.059	UJ	0.057	UJ
Arsenic	13	16	16	16	16	5.8	J	7.4		5.7	J	5.6	J	3	J	6.1		12.9		3.5		3.8		2.9		6.7	J	3.3	J	3.1	J	5.5	J
Barium	350	350	400	10,000	820	NA		NA		NA		NA		NA		143	J	86.1	J	136	J	47	J	35.8	J	57.6	J	30.8	J	70.4	J	65.9	J
Beryllium	7.2	14	590	2,700	47	1.8	U	0.51	J	0.66	J	0.5	J	1.6	U	0.13	J	0.3		0.26		0.11	J	0.13	J	0.39		0.41		0.38		0.59	
Cadmium	2.5	2.5	9.3	60	7.5	2.7	U	2.6	U	2.5	U	2.4	U	2.4	U	6	J	11.6	J	2.4	J	12.2	J	10.2	J	0.36		0.19	J	0.27	J	0.37	
Calcium	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		203,000	A	1,650		1,200		3,310		2,150		5,510		760		14,400		893	
Chromium (Total)	30[(1)]	36[(1)]	1,500[(1)]	6,800[(1)]	NC[(1)]	1.2	J	3.8		5		3.8		14		209	J	32.4	J	23.1	J	33.8	J	18.4	J	16	J	6.9	J	19.4	J	16.9	J
Chromium (Hexavalent)	1	22	400	800	19	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cobalt	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		0.33	J	7.4	J	7.9	J	17.7	J	113	J	24.9		2.7	J	93.6	J	5.7	J
Copper	50	270	270	10,000	1,720	6.7		9.7		9.5		6.5		13.3		626	J	175	J	70.9	J	140	J	134	J	27.4		6.7		29.2		11.6	
Cyanide (Total)	27	27	27	10,000	40	0.515	U	0.524	U	0.538	U	0.517	U	0.533	U	24.1	AA	0.4	J	0.36	J	0.3	J	0.34	J	NA		NA		NA	NA	NA	J
Iron	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		3,830		17,500		15,900		21,500		12,900		19,100	J	13,100	J	15,100	J	23,600	JAA
Lead	63	400	1,000	3,900	450	3.3	J	4.2	J	6	J	3.2	J	15.4		11,000	JA	145	J	70.9	J	40.4	J	28.7	J	27.9	J	4.7	J	24.7	J	14.4	J
Magnesium	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		115,000	A	2,940	J	3,300	J	3,880	J	2,580	J	3,320	J	1,920	J	3,990	J	3,210	J
Manganese	1,600	2,000	10,000	10,000	2,000	NA		NA		NA		NA		NA		66.8	J	373	J	347	J	358	J	480	J	339	J	262	J	277	J	788	J
Mercury (Total)	0.18	0.81	2.8	5.7	0.73	2	U	2.1	U	2.1	U	2	U	0.039	J	0.12		0.0072	U	0.0077	U	0.0078	U	0.0076	U	0.007	U	0.0069	U	0.0073	U	0.0071	U
Nickel	30	140	310	10,000	130	2.5	J	3.4		5		3.2	J	10.4		250	J	44.2	J	28.9	J	41.4	J	40.7	J	15.6	J	7.4	J	16.6	J	11.9	J
Potassium	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		501		1,360		2,860		1,790		1,350		1,730		1,700		2,490		1,490	
Selenium	3.9	36	1,500	6,800	4	14.5	U	13.9	U	13.4	U	12.9	U	12.9	U	2.3		0.048	U	0.05	U	0.045	U	0.043	U	2		1.5		1.4	J	2.6	
Silver	2	36	1,500	6,800	8.3	2.7	U	2.6	U	2.5	U	2.4	U	2.4	U	12.2		0.012	U	0.014	U	0.014	U	0.013	U	0.019	U	0.019	U	0.45	J	0.02	U
Sodium	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		311		150		127		238		177		307		129		526		92.5	
Thallium	NC	NC	NC	NC	NC	19.9	U	19.1	U	18.4	U	17.8	U	17.8	U	0.96	J	1.4	J	1.2	J	1.3	J	1.8	J	1.9		1.7		1.7		0.54	J
Vanadium	NC	NC	NC	NC	NC	NA		NA		NA		NA		NA		1.6	J	25	J	23.7	J	30	J	17.2	J	24.6	J	12.2	J	28.7	J	29.6	J
Zinc	109	2,200	10,000	10,000	2,480	60.2		80.7		65.5		57		34.8		770	J	511	J	336	J	401	J	289	J	62.3	J	75.2	J	49.4	J	80.6	J

Notes:

mg/kg - milligrams per kilogram

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

(1) - Trivalent chromium SCO

A - Dilution Factor 1

AA - Dilution Factor 10

B - Analyte detected in laboratory blank sample.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 13
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR METALS AND CYANIDE

Sample ID						SB-03 (1-3)		SB-04 (4-5)		SB-04 (8-9.5)		SB-05 (8-9)		DUP071807		SB-06 (1-2)		SB-07		TRC-SB1(6-8")		TRC-SB1(15-17')		TRC-SB2(6-8")		TRC-SB2(6-8")A		TRC-SB2(14-16')		TRC-SB3(2-4")		TRC-SB3(2-4')	
Lab Sample ID						F0991-05		F0991-07		F0991-06		F0991-08		F0991-10		F0991-11		F0991-09		460-25491-1		460-25491-2		460-25491-3		460-25491-4		460-25491-5		460-25491-6		460-25491-7	
Sampling Date						07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		07-18-2007		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011		04-18-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		4		4		4		4		4		4		4	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Residential		Residential		Residential		Residential		Residential		Residential		Residential	
METALS AND CYANIDE (mg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	NC	NC	NC	NC	6,040		8,050		6,540		9,510		11,600		4,090		6,750		8,320		6,800		7,430		8,160		6,160		10,800		13,600	
Antimony	NC	NC	NC	NC	NC	0.058	UJ	0.42	J	0.057	UJ	0.049	UJ	0.048	UJ	0.89	J	0.11	J	2.2	UJ	2.2	UJ	2.2	UJ	2.3	UJ	2.2	UJ	2.4	UJ	2.4	UJ
Arsenic	13	16	16	16	16	1.9	J	3.9	J	5.3	J	1.8	J	1.8	J	1.4	J	1.5	J	4.3		1.5		3.3		3.7		3.1		6.6		4.1	
Barium	350	350	400	10,000	820	75.4	J	127	J	52.2	J	43.3	J	43.8	J	69.1	J	36.2	J	74.4		55.6		112		99.4		43.1	J	72.6		80.0	
Beryllium	7.2	14	590	2,700	47	0.24	J	0.33		0.35		0.37		0.43		0.19	J	0.34		0.55		0.49		0.54		0.56		0.48		0.72		0.72	
Cadmium	2.5	2.5	9.3	60	7.5	0.47		0.28		0.18	J	0.2	J	0.18	J	0.7		0.15	J	1.1	U	1.1	U	0.17	J	1.1	U	1.1	U	1.2	U	1.2	U
Calcium	NC	NC	NC	NC	NC	8,890		10,700		5,370		2,000		1,310		36,100		18,500		22,300		1,440		7,970		10,700		987	J	1,310		1,020	J
Chromium (Total)	30[(1)]	36[(1)]	1,500[(1)]	6,800[(1)]	NC[(1)]	13.7	J	17.1	J	8.4	J	17.8	J	18.3	J	16.5	J	8.2	J	17.1		14		15.3		17.7		19.7		26.4		20.3	
Chromium (Hexavalent)	1	22	400	800	19	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		2.4	U	NA			
Cobalt	NC	NC	NC	NC	NC	4.5	J	5.7	J	4.6	J	9.8	J	8.6	J	5.3	J	4.6	J	5.2	J	6	J	5.3	J	5.8	J	5.8	J	7.4	J	6.6	J
Copper	50	270	270	10,000	1,720	34		18.8		7.9		17.9		13.7		28		19.5		50.7		9.1		29.9		29.8		10		25.5		5.5	J
Cyanide (Total)	27	27	27	10,000	40	NA		NA		NA		NA		NA		NA		NA		0.56	UA	0.54	UA	0.16	JA	0.59	UA	0.56	UA	0.61	UA	0.61	UA
Iron	NC	NC	NC	NC	NC	14,100	J	10,100	J	11,000	J	11,800	J	15,900	J	9,660	J	9,400	J	13,800		11,700		10,900		12,500		11,900		16,000		16,800	
Lead	63	400	1,000	3,900	450	155	JAB	99.6	J	34.5	J	14.3	J	9.3	J	21.6	J	8	J	136		3.8		119		169		6.5		152		9.0	
Magnesium	NC	NC	NC	NC	NC	3,850	J	3,030	J	1,860	J	2,700	J	3,130	J	9,660	J	2290	J	9,720		2,610		3,210		3,080		2,170		2,140		2,390	
Manganese	1,600	2,000	10,000	10,000	2,000	176	J	176	J	183	J	274	J	286	J	134	J	213	J	370		302		197	J	344	J	362		440		256	
Mercury (Total)	0.18	0.81	2.8	5.7	0.73	0.1		0.093		0.0073	U	0.0069	U	0.0063	U	0.0062	U	0.0064	U	0.062	A	0.035	UA	0.15	A	0.17	A	0.036	UA	1.7	A	0.096	A
Nickel	30	140	310	10,000	130	11	J	11.9	J	5.6	J	14.3	J	13.5	J	435	J	11.5	J	12.3		11.3		12.5		14.0		11.6		14.3		11.0	
Potassium	NC	NC	NC	NC	NC	1,180		1,360		1,420		965		929		1680		1340		1,110	UJ	1,090	UJ	1,120	UJ	1,150	UJ	1,120	UJ	1,220	UJ	1,200	UJ
Selenium	3.9	36	1,500	6,800	4	1.7		1.5		1.7		1.7		2		0.066	U	0.4	J	2.2	UR	2.2	UR	2.2	UR	2.3	UR	2.2	UR	2.4	U	2.4	UR
Silver	2	36	1,500	6,800	8.3	0.019	U	0.017	U	0.019	U	0.017	U	0.016	U	15.2		0.017	U	0.22	J	0.18	J	0.33	J	2.3	U	2.2	U	2.4	U	2.4	U
Sodium	NC	NC	NC	NC	NC	297		198		454		112		102		158		226		1,110	UJ	1,090	UJ	1,120	U	71.5	J	1,120	UJ	1,220	UJ	1,200	UJ
Thallium	NC	NC	NC	NC	NC	2.1		1.1		1.4		1.2		1.4		1.3		0.94		2.2	UR	2.2	UR	2.2	UR	2.3	UR	2.2	UR	2.4	U	2.4	UR
Vanadium	NC	NC	NC	NC	NC	17.8	J	22.4	J	11.1	J	21.1	J	23.5	J	14.5	J	12	J	22.5		18.7		20.5		22.9		19.2		31.5		28.7	
Zinc	109	2,200	10,000	10,000	2,480	110	J	117	J	77.8	J	38	J	31.3	J	46.3	J	39.5	J	131		28.5		161		145		33.1		123		35.1	

Notes:

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Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

(1) - Trivalent chromium SCO

A - Dilution Factor 1

AA - Dilution Factor 10

B - Analyte detected in laboratory blank sample.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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NC - No criterion

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TABLE 13
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FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR METALS AND CYANIDE

Sample ID						TRC-SB3(4-6')		TRC-SB4(12-14")		TRC-SB4(10-12')		TRC-SB5(6-8")		TRC-SB5(10-12')		TRC-SB6(6-8")		TRC-SB6(12-14')		TRC-SB7(11-13')		TRC-SB8(13.5-15.5')		TRC-SB9(5-7')		TRC-SB10(11-13')		TRC-SB11(6-8')		TRC-SB12(5-7')	
Lab Sample ID						460-25491-8		460-25517-1		460-25517-2		460-25517-3		460-25517-4		460-25517-5		460-25517-6		460-27885-1		460-27885-2		460-27983-1		460-27885-3		460-27885-4		460-27885-5	
Sampling Date						04-18-2011		04-19-2011		04-19-2011		04-19-2011		04-19-2011		04-19-2011		04-19-2011		06-20-2011		06-20-2011		06-22-2011		06-20-2011		06-20-2011		06-20-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						4		4		4		4		4		4		4		4		20		10		4		10		4	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Land Use						Residential		Residential		Residential		Commercial		Commercial		Commercial		Commercial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
METALS AND CYANIDE (mg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	NC	NC	NC	NC	10,400		9,880		4,120		5,230		5,390		6,370		2,760		4,290	J	22,300	J	4,870	J	4,240	J	7,560	J	6,310	J
Antimony	NC	NC	NC	NC	NC	2.4	U	2.1	UJ	2.1	UJ	2.2	UJ	2.2	UJ	2.1	UJ	2.0	UJ	2	UJ	10.6	UJ	4.9	UJ	1.9	UJ	5	UJ	2	UJ
Arsenic	13	16	16	16	16	2.2		5.7		11.4		2.3		2.1		2.1		4.3		6.9	J	5.3	UJ	8.7	J	5.5	J	5.2	J	9.1	J
Barium	350	350	400	10,000	820	35.3	J	40.6	J	44.0		59.3		106		83.0		17.0	J	24.4	J	43.4	J	16.5	J	25.2	J	69.4	J	43	
Beryllium	7.2	14	590	2,700	47	0.61		0.30	J	0.42	U	0.44	U	0.44	U	0.42	U	0.39	U	0.2	J	2.2		0.99	U	0.39	U	0.99	U	0.39	J
Cadmium	2.5	2.5	9.3	60	7.5	1.2	U	0.33	J	0.26	J	0.35	J	3.0		0.28	J	0.98	U	1	U	5.3	U	2.5	U	0.97	U	2.5	U	0.99	U
Calcium	NC	NC	NC	NC	NC	1,060	J	1,600		507	J	20,200		26,300		67,400	AA	1,150		849	J	3,010	J	1,320	J	796	J	50,300		37,600	
Chromium (Total)	30[1]	36[1]	1,500[1]	6,800[1]	NC[1]	22.9		14.2		2.0	J	15.3		14.7		33.6		2.3		2.5		251		4.9	U	3.4		9.6		6.9	
Chromium (Hexavalent)	1	22	400	800	19	2.4	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cobalt	NC	NC	NC	NC	NC	8.1	J	6.6	J	1.5	J	4.7	J	5.1	J	6.0	J	9.8	U	10	U	30.1	J	24.7	U	1.5	J	3.6	J	3.5	J
Copper	50	270	270	10,000	1,720	12.8		12.9		22.2		24.3		26.2		24.0		4.0	J	3	J	26.6	UJ	4.9	J	4.1	J	10.1	J	10.1	J
Cyanide (Total)	27	27	27	10,000	40	0.61	UA	0.57	UA	0.53	UA	0.37	JA	0.17	JA	0.17	JA	0.53	UA	0.52	UA	0.54	UA	0.52	UA	0.52	UA	0.53	UA	0.53	UA
Iron	NC	NC	NC	NC	NC	15,000		17,600		10,100		11,500		21,600		12,700		6,820		10,100		62,500	J	13,300		9,210		14,500		57,800	AA
Lead	63	400	1,000	3,900	450	11.3		9.0		3.4		52.2		131		44.6		3.0		4.3	J	5.3	UJ	3.3	J	2.9	J	61	J	20.1	J
Magnesium	NC	NC	NC	NC	NC	2,940		2,020		455	J	4,810		8,840		6,110		538	J	469	J	23,400	J	438	J	758	J	4,620	J	4,470	J
Manganese	1,600	2,000	10,000	10,000	2,000	212		230		241		236		275		203		142		225		1,370		246		188		338		377	
Mercury (Total)	0.18	0.81	2.8	5.7	0.73	0.050	A	0.051	A	0.034	UA	0.15	A	0.13	A	0.12	A	0.033	UA	0.032	UA	0.035	UA	0.033	UA	0.034	UA	0.065	A	0.040	A
Nickel	30	140	310	10,000	130	13.7		9.2		4.0	J	13.0		13.9		21.0		1.7	J	3.1	J	119		1.7	J	3.6	J	8.3	J	7.2	J
Potassium	NC	NC	NC	NC	NC	1,180	UJ	632	J	879	J	1,370	J	1,340	J	2,510		670	J	956	J	17,100		1,080	J	784	J	1,640	J	1,200	
Selenium	3.9	36	1,500	6,800	4	2.4	UR	2.1	U	2.1	U	2.2	U	2.2	U	2.1	U	2.0	U	2	UJ	10.6	UJ	4.9	U	1.9	UJ	5	UJ	2	UJ
Silver	2	36	1,500	6,800	8.3	2.4	U	2.1	U	2.1	U	2.2	U	2.2	U	2.1	U	2.0	U	2	UJ	10.6	UJ	4.9	UJ	1.9	UJ	5	UJ	2	UJ
Sodium	NC	NC	NC	NC	NC	1,180	UJ	107	J	65.8	J	141	J	221	J	145	J	60.3	J	99.6	J	5,320	U	2,470	U	82	J	2,490	U	127	J
Thallium	NC	NC	NC	NC	NC	2.4	UR	2.1	U	2.1	U	2.2	U	2.2	U	2.1	U	2.0	U	2	U	10.6	U	4.9	U	1.9	U	5	U	2	U
Vanadium	NC	NC	NC	NC	NC	29.5		22.8		12.4		17.2		17.5		23.2	J	3.4	J	4.7	J	130		3.9	J	6.1	J	15.9	J	15.9	
Zinc	109	2,200	10,000	10,000	2,480	34.4		35.6		35.5		53.1		1,590		57.8		27.1		51.4		258		68.3		39		76.7	J	68.5	

Notes:

mg/kg - milligrams per kilogram

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

[1] - Trivalent chromium SCO

A - Dilution Factor 1

AA - Dilution Factor 10

B - Analyte detected in laboratory blank sample.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 13
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR METALS AND CYANIDE

Sample ID						TRC-SB13(6-8')		TRC-SB14(6-8')		TRC-SB16(10.5-12.5')		TRC-SB17(10-12')		TRC-SB18(9-11')		TRC-SB19(8.5-10.5')		TRC-SB20(7-9')		TRC-SB21(9-11')		TRC-SB22(16-18')		TRC-SB23(12-14')		TRC-SB23(12-14')A		TRC-SB24(15-17')		TRC-SB25(14-16')	
Lab Sample ID						460-27885-6		460-27885-7		460-27885-9		460-27926-1		460-27926-2		460-27926-3		460-27926-4		460-27983-2		460-27926-5		460-27926-6		460-27926-8		460-27926-7		460-27983-8	
Sampling Date						06-20-2011		06-20-2011		06-20-2011		06-21-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011		06-21-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						4		4		4		4		4		4		4		20		20		20		10		20		20	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
METALS AND CYANIDE (mg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	NC	NC	NC	NC	9,090	J	8,530	J	3,890	J	7,840		7,810		8,340		7,410		18,600	J	8,870		6,150	J	4,520	J	6,280		24,500	J
Antimony	NC	NC	NC	NC	NC	2	UJ	2.2	UJ	2	UJ	2.1	UJ	2.1	UJ	2	UJ	2.1	UJ	11	UJ	9.9	UJ	9.9	UJ	5	UJ	9.9	UJ	10.9	UJ
Arsenic	13	16	16	16	16	4.6	J	6.4	J	2.5	J	4.3	J	3.7		4.8	J	4.5	J	13.8	J	22.9	J	18.9	J	15.4	J	12.3	J	19.8	J
Barium	350	350	400	10,000	820	63.5		63		7.6	J	42.5		86.1		131		39.8	J	74.1	J	24.8	J	22.5	J	11.9	J	35	J	124	J
Beryllium	7.2	14	590	2,700	47	0.32	J	0.32	J	0.41	U	0.22	J	0.19	J	0.23	J	0.23	J	1.1	J	2	U	2	U	1	U	2	U	2.2	U
Cadmium	2.5	2.5	9.3	60	7.5	0.98	U	1.1	U	1	U	1	U	1.1	U	0.22	J	1	U	5.5	U	5	U	4.9	U	2.5	U	4.9	U	5.4	U
Calcium	NC	NC	NC	NC	NC	47,700		6,230		1,140		5,210		35,100		11,000		28,600		3,020	J	2,530	J	1,760	J	1,450	J	1,030	J	2,060	J
Chromium (Total)	30[1]	36[1]	1,500[1]	6,800[1]	NC[1]	14.2		11.3		3.4		11.7		20.3		24.8		8.9		34.6		9.9	U	9.9	U	5	U	9.9	U	52.5	
Chromium (Hexavalent)	1	22	400	800	19	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cobalt	NC	NC	NC	NC	NC	4.5	J	3.9	J	1.3	J	3.6	J	3.9	J	5.8	J	3.1	J	25.5	J	49.7	U	49.4	U	24.9	U	49.3	U	27.1	J
Copper	50	270	270	10,000	1,720	12.3	J	12.6	J	14.8	J	8.5	J	19.9	J	40.1	J	10.9	J	33.7	J	36.3	J	15	J	8.6	J	24.7	UJ	56.1	J
Cyanide (Total)	27	27	27	10,000	40	0.52	UA	0.55	UA	0.52	UA	0.55	UA	0.53	UA	0.54	UA	0.53	UA	0.56	UA	0.22	JA	0.51	UA	0.52	UA	0.52	UA	0.28	JA
Iron	NC	NC	NC	NC	NC	13,800		13,900		7,920		12,100		13,200		16,700		13,600		61,500		23,200		15,400	J	10,900	J	16,600		81,800	
Lead	63	400	1,000	3,900	450	28	J	42.1	J	3	J	17.3	J	37.9		169	J	14.7	J	4.3	J	9.9	J	7.3	J	5.6	J	8.5	J	3.7	J
Magnesium	NC	NC	NC	NC	NC	4,700	J	3,810	J	745	J	2,610	J	5,790	J	5,440		2,060	J	11,800	J	387	J	968	J	607	J	323	J	14,300	J
Manganese	1,600	2,000	10,000	10,000	2,000	285		202		130		208		238		318		245		978		497		295	J	204	J	376		1,030	
Mercury (Total)	0.18	0.81	2.8	5.7	0.73	0.025	JA	0.077	A	0.041	A	0.033	UA	0.056	A	0.22	A	0.094	A	0.036	UA	0.033	UA	0.033	UA	0.031	UA	0.034	UA	0.037	UA
Nickel	30	140	310	10,000	130	11.1		9.1		3	J	7.3	J	10.9		16.6		7.5	J	28	J	8.3	J	7.4	J	3.8	J	3	J	33.2	J
Potassium	NC	NC	NC	NC	NC	1,100		1,250		942	J	944	J	1,440		1,700		1,080		13,100		2,110	J	1,540	J	1,260	J	1,370	J	17,600	
Selenium	3.9	36	1,500	6,800	4	2	U	2.2	UJ	2	UJ	2.1	UJ	2.1	UJ	2	UJ	2.1	UJ	11	UJ	9.9	UJ	9.9	UJ	5	UJ	9.9	UJ	10.9	UJ
Silver	2	36	1,500	6,800	8.3	2	U	2.2	UJ	2	UJ	2.1	UJ	2.1	UJ	2	UJ	2.1	UJ	11	UJ	9.9	UJ	9.9	UJ	5	UJ	11.5	J	10.9	UJ
Sodium	NC	NC	NC	NC	NC	127	J	80.5	J	276	J	122	J	451	J	307	J	138	J	5,510	U	4,970	U	4,940	U	154	J	4,930	U	1,760	J
Thallium	NC	NC	NC	NC	NC	2	U	2.2	U	2	U	2.1	U	2.1	U	2	U	2.1	U	11	U	9.9	U	9.9	U	5	U	9.9	U	10.9	U
Vanadium	NC	NC	NC	NC	NC	18.2		17.5		6.7	J	15.4		20.7		26.2		14.2		181		3.3	J	8.6	J	5.6	J	4.6	J	199	
Zinc	109	2,200	10,000	10,000	2,480	58.4		97.4		31.3		62		85.4		166		58.5		152		232		126		147		419		137	

Notes:

mg/kg - milligrams per kilogram

Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.

Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.

Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.

[1] - Trivalent chromium SCO

A - Dilution Factor 1

AA - Dilution Factor 10

B - Analyte detected in laboratory blank sample.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

NC - No criterion

R - Nondetect sample result rejected after QC review.

SCO - Soil Cleanup Objective

U - Analyte was not detected.

Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 13
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR METALS AND CYANIDE

Sample ID						TRC-SB26(10.5-12.5')		TRC-SB27(6-8')		TRC-SB28(9-11')		TRC-SB29(4-6')		TRC-SB30(6-8')		TRC-SB31(11-13')		TRC-SB31(11-13')A		TRC-SB32(8-10')	
Lab Sample ID						460-27983-3		460-27983-4		460-27983-5		460-27983-6		460-27926-9		460-27926-10		460-27926-11		460-27983-7	
Sampling Date						06-22-2011		06-22-2011		06-22-2011		06-22-2011		06-21-2011		06-21-2011		06-21-2011		06-22-2011	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						4		10		10		4		10		10		4		4	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
METALS AND CYANIDE (mg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	NC	NC	NC	NC	3,120	J	6,040	J	3,550	J	6,680	J	3,640		4,880	J	9,860	J	5,450	J
Antimony	NC	NC	NC	NC	NC	2	UJ	5.2	UJ	5	UJ	2	UJ	5	UJ	5.1	UJ	1.9	UJ	2.1	UJ
Arsenic	13	16	16	16	16	4.9	J	8.2		9.4	J	6.7	J	6.1	J	5.4	J	2	J	3.4	J
Barium	350	350	400	10,000	820	23.4	J	52.7	J	29.4	J	44.5		24.2	J	55.4	J	52.4		31	J
Beryllium	7.2	14	590	2,700	47	0.4	U	1	U	1	U	0.22	J	1	U	1	U	0.38	U	0.42	U
Cadmium	2.5	2.5	9.3	60	7.5	0.99	U	2.6	U	2.5	U	1	U	2.5	U	2.6	U	0.95	U	1	U
Calcium	NC	NC	NC	NC	NC	1,060		1,190	J	721	J	5,420		1,600	J	1,200	J	1,490		4,120	
Chromium (Total)	30[1]	36[1]	1,500[1]	6,800[1]	NC[1]	2	U	5.2	U	5	U	6.3		5	U	5.1	UJ	30.5	J	6.1	
Chromium (Hexavalent)	1	22	400	800	19	NA		NA		NA		NA		NA		NA		NA		NA	
Cobalt	NC	NC	NC	NC	NC	9.9	U	25.8	U	25.2	U	2.9	J	24.9	U	25.6	U	6.7	J	1.9	J
Copper	50	270	270	10,000	1,720	3.4	J	9.8	J	4.4	J	12.3	J	12.5	UJ	7.8	J	9.5	J	31.7	J
Cyanide (Total)	27	27	27	10,000	40	0.51	UA	0.52	UA	0.51	UA	0.51	UA	0.5	UA	0.51	UA	0.14	JA	0.33	JA
Iron	NC	NC	NC	NC	NC	10,100		16,100		8,620		13,300		12,600		13,300		17,500		14,000	
Lead	63	400	1,000	3,900	450	1.9	J	9.5		3.9	J	6.5	J	2.5	J	2.8	J	2.6	J	16.3	J
Magnesium	NC	NC	NC	NC	NC	165	J	713	J	246	J	1,910	J	155	J	259	J	6,080	J	1,370	J
Manganese	1,600	2,000	10,000	10,000	2,000	200		312		167		283		219		237	J	353	J	216	
Mercury (Total)	0.18	0.81	2.8	5.7	0.73	0.031	UA	0.034	UA	0.033	UA	0.033	UA	0.033	UA	0.034	UA	0.033	UA	0.053	A
Nickel	30	140	310	10,000	130	7.9	U	3	J	20.1	U	6.6	J	19.9	U	4.2	J	19.3		9.4	
Potassium	NC	NC	NC	NC	NC	940	J	1,650	J	599	J	1,230		1,120	J	1,040	J	1,520		1,200	
Selenium	3.9	36	1,500	6,800	4	2	UJ	5.2	UJ	5	UJ	2	UJ	5	UJ	5.1	UJ	1.9	UJ	2.1	UJ
Silver	2	36	1,500	6,800	8.3	2	UJ	5.2	UJ	5	UJ	2	UJ	5	UJ	5.1	UJ	1.9	UJ	4.2	J
Sodium	NC	NC	NC	NC	NC	93.4	J	2,580	U	2,520	U	147	J	2,490	U	237	J	387	J	270	J
Thallium	NC	NC	NC	NC	NC	2	U	5.2	U	5	U	2	U	5	U	5.1	U	1.9	U	2.1	U
Vanadium	NC	NC	NC	NC	NC	9.9	U	6.3	J	3	J	12.2		24.9	U	2.9	J	36.2	J	8.3	J
Zinc	109	2,200	10,000	10,000	2,480	52.6		75.4		35.6		48.8		61.5		110		211	J	77.5	

Notes:
mg/kg - milligrams per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
[1] - Trivalent chromium SCO
A - Dilution Factor 1
AA - Dilution Factor 10
B - Analyte detected in laboratory blank sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 14
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS

Sample ID						TRC-SB1(6-8")		TRC-SB1(15-17')		TRC-SB2(6-8")		TRC-SB2(6-8")A		TRC-SB2(14-16')		TRC-SB3(2-4")		TRC-SB3(2-4')		TRC-SB3(4-6')		TRC-SB4(12-14")		TRC-SB4(10-12')		TRC-SB5(6-8")		TRC-SB5(10-12')	
Lab Sample ID						460-25491-1		460-25491-2		460-25491-3		460-25491-4		460-25491-5		460-25491-6		460-25491-7		460-25491-8		460-25517-1		460-25517-2		460-25517-3		460-25517-4	
Sampling Date						04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-19-11		04-19-11		04-19-11		04-19-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Commercial		Commercial	
POLYCHLORINATED BIPHENYLS (PCBs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Aroclor 1016	NC	NC	NC	NC	NC	74	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	76	U	71	U	73	U	74	U
Aroclor 1221	NC	NC	NC	NC	NC	74	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	76	U	71	U	73	U	74	U
Aroclor 1232	NC	NC	NC	NC	NC	74	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	76	U	71	U	73	U	74	U
Aroclor 1242	NC	NC	NC	NC	NC	74	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	76	UJ	71	UJ	73	UJ	74	UJ
Aroclor 1248	NC	NC	NC	NC	NC	74	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	76	UJ	71	UJ	73	UJ	74	UJ
Aroclor 1254	NC	NC	NC	NC	NC	74	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	76	UJ	71	UJ	73	UJ	74	UJ
Aroclor 1260	NC	NC	NC	NC	NC	52	J	18	J	76	UJ	85	J	56	J	82	U	47	J	81	U	76	UJ	71	UJ	740	J	100	J
Aroclor 1262	NC	NC	NC	NC	NC	74	U	73	U	830	J	79	UJ	75	U	82	U	82	U	800	J	76	UJ	71	UJ	73	UJ	74	UJ
Aroclor 1268	NC	NC	NC	NC	NC	74	U	73	U	76	U	79	U	75	U	270	J	82	U	81	U	76	UJ	71	UJ	73	UJ	74	UJ
Total PCBs	100	1,000	1,000	25,000	3,200	52	J	18	J	830		85		56	J	270		47	J	800		0		0		740		100	

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 14
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS

Sample ID						TRC-SB6(6-8")		TRC-SB6(12-14')		TRC-SB7(11-13')		TRC-SB8(13.5-15.5')		TRC-SB9(5-7')		TRC-SB10(11-13')		TRC-SB11(6-8')		TRC-SB12(5-7')		TRC-SB13(6-8')		TRC-SB14(6-8')		TRC-SB16(10.5-12.5')	
Lab Sample ID						460-25517-5		460-25517-6		460-27885-1		460-27885-2		460-27983-1		460-27885-3		460-27885-4		460-27885-5		460-27885-6		460-27885-7		460-27885-9	
Sampling Date						04-19-11		04-19-11		06-20-11		06-20-11		06-22-11		06-20-11		06-20-11		06-20-11		06-20-11		06-20-11		06-20-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Commercial		Commercial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
POLYCHLORINATED BIPHENYLS (PCBs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Aroclor 1016	NC	NC	NC	NC	NC	76	U	71	U	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Aroclor 1221	NC	NC	NC	NC	NC	76	U	71	U	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Aroclor 1232	NC	NC	NC	NC	NC	76	U	71	U	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Aroclor 1242	NC	NC	NC	NC	NC	76	UJ	71	UJ	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Aroclor 1248	NC	NC	NC	NC	NC	76	UJ	71	UJ	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Aroclor 1254	NC	NC	NC	NC	NC	76	UJ	71	UJ	69	U	72	U	70	U	70	U	71	U	70	U	70	U	83		70	U
Aroclor 1260	NC	NC	NC	NC	NC	55	J	71	UJ	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Aroclor 1262	NC	NC	NC	NC	NC	76	UJ	71	UJ	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Aroclor 1268	NC	NC	NC	NC	NC	76	UJ	71	UJ	69	U	72	U	70	U	70	U	71	U	70	U	70	U	73	U	70	U
Total PCBs	100	1,000	1,000	25,000	3,200	55	J	0		0		0		0		0		0		0		0		83		0	

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 14
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS

Sample ID						TRC-SB17(10-12')		TRC-SB18(9-11')		TRC-SB19(8.5-10.5')		TRC-SB20(7-9')		TRC-SB21(9-11')		TRC-SB22(16-18')		TRC-SB23(12-14')		TRC-SB23(12-14')A		TRC-SB24(15-17')		TRC-SB25(14-16')		TRC-SB26(10.5-12.5')	
Lab Sample ID						460-27926-1		460-27926-2		460-27926-3		460-27926-4		460-27983-2		460-27926-5		460-27926-6		460-27926-8		460-27926-7		460-27983-8		460-27983-3	
Sampling Date						06-21-11		06-21-11		06-21-11		06-21-11		06-22-11		06-21-11		06-21-11		06-21-11		06-21-11		06-22-11		06-22-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
POLYCHLORINATED BIPHENYLS (PCBs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
Aroclor 1016	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1221	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1232	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1242	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1248	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	U	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1254	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	UR	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1260	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	UR	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1262	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	UR	69	U	69	U	69	U	69	U	76	U	68	U
Aroclor 1268	NC	NC	NC	NC	NC	73	U	71	U	72	U	71	U	75	UR	69	U	69	U	69	U	69	U	76	U	68	U
Total PCBs	100	1,000	1,000	25,000	3,200	0		0		0		0		75	UR	0		0		0		0		0		0	

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 14
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS

Sample ID						TRC-SB27(6-8')		TRC-SB28(9-11')		TRC-SB29(4-6')		TRC-SB30(6-8')		TRC-SB31(11-13')		TRC-SB31(11-13')A		TRC-SB32(8-10')	
Lab Sample ID						460-27983-4		460-27983-5		460-27983-6		460-27926-9		460-27926-10		460-27926-11		460-27983-7	
Sampling Date						06-22-11		06-22-11		06-22-11		06-21-11		06-21-11		06-21-11		06-22-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
POLYCHLORINATED BIPHENYLS (PCBs) (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result	
Aroclor 1016	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1221	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1232	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1242	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1248	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1254	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1260	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1262	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Aroclor 1268	NC	NC	NC	NC	NC	70	U	69	U	69	U	67	U	68	U	69	U	72	U
Total PCBs	100	1,000	1,000	25,000	3,200	0		0		0		0		0		0		0	

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 15
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR PESTICIDES

Sample ID						TRC-SB1(6-8")		TRC-SB1(15-17')		TRC-SB2(6-8")		TRC-SB2(6-8")A		TRC-SB2(14-16')		TRC-SB3(2-4")		TRC-SB3(2-4')		TRC-SB3(4-6')		TRC-SB4(12-14")		TRC-SB4(10-12')		TRC-SB5(6-8")	
Lab Sample ID						460-25491-1		460-25491-2		460-25491-3		460-25491-4		460-25491-5		460-25491-6		460-25491-7		460-25491-8		460-25517-1		460-25517-2		460-25517-3	
Sampling Date						04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-19-11		04-19-11		04-19-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Commercial	
PESTICIDES (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
4,4'-DDD	3.3	2,600	92,000	180,000	14,000	4.4	J	7.3	U	15		6.0	J	7.5	U	6.8	J	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
4,4'-DDE	3.3	1,800	62,000	120,000	17,000	7.5	U	7.3	U	5.5	J	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
4,4'-DDT	3.3	1,700	47,000	94,000	136,000	3.8	J	7.3	U	8.2		8.9		7.5	U	13		8.2	U	8.1	U	7.6	U	7.1	U	59	
Aldrin	5	19	680	1,400	190	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
alpha-BHC	20	97	3,400	6,800	20	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
alpha-Chlordane	94	910	24,000	47,000	2,900	7.5	U	7.3	U	5.9	J	7.9	U	7.5	U	8.2	U	11		7.6	J	7.6	U	7.1	U	7.3	U
beta-BHC	36	72	3,000	14,000	90	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Chlordane	NC	NC	NC	NC	NC	75	U	73	U	76	U	79	U	75	U	82	U	72	J	81	U	76	U	71	U	73	U
delta-BHC	40	100,000	500,000	1,000,000	250	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Dieldrin	5	39	1,400	2,800	100	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	6.6	J	8.2	U	8.1	U	7.6	U	7.1	U	7.8	
Endosulfan I	2,400	4,800	200,000	920,000	102,000	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Endosulfan II	2,400	4,800	200,000	920,000	102,000	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Endosulfan sulfate	2,400	4,800	200,000	920,000	1,000,000	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Endrin	14	2,200	89,000	410,000	60	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	4.8	J	8.2	U	8.1	U	7.6	U	7.1	U	3.9	J
Endrin aldehyde	NC	NC	NC	NC	NC	3.9	J	7.3	U	7.6	U	7.9	U	7.5	U	8.1	J	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Endrin ketone	NC	NC	NC	NC	NC	12		4.6	J	8.0		15		7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	19	
gamma-BHC (Lindane)	100	280	9,200	23,000	100	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
gamma-Chlordane	NC	NC	NC	NC	NC	7.5	U	7.3	U	6.2	J	7.9	U	7.5	U	8.2	U	7.6	J	8.1	U	7.6	U	7.1	U	7.3	U
Heptachlor	42	420	15,000	29,000	380	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Heptachlor epoxide	NC	NC	NC	NC	NC	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Methoxychlor	NC	NC	NC	NC	NC	7.5	U	7.3	U	7.6	U	7.9	U	7.5	U	8.2	U	8.2	U	8.1	U	7.6	U	7.1	U	7.3	U
Silvex (2,4,5-TP)	3,800	58,000	500,000	1,000,000	3,800	19	U	19	U	19	U	20	U	19	U	21	U	21	U	21	U	19	U	18	U	19	U
Toxaphene	NC	NC	NC	NC	NC	75	U	73	U	76	U	79	U	75	U	82	U	82	U	81	U	76	U	71	U	73	U

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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TABLE 15
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR PESTICIDES

Sample ID						TRC-SB5(10-12')		TRC-SB6(6-8")		TRC-SB6(12-14')		TRC-SB7(11-13')		TRC-SB8(13.5-15.5')		TRC-SB9(5-7')		TRC-SB10(11-13')		TRC-SB11(6-8')		TRC-SB12(5-7')		TRC-SB13(6-8')		TRC-SB14(6-8')	
Lab Sample ID						460-25517-4		460-25517-5		460-25517-6		460-27885-1		460-27885-2		460-27983-1		460-27885-3		460-27885-4		460-27885-5		460-27885-6		460-27885-7	
Sampling Date						04-19-11		04-19-11		04-19-11		06-20-11		06-20-11		06-22-11		06-20-11		06-20-11		06-20-11		06-20-11		06-20-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Commercial		Commercial		Commercial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
PESTICIDES (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
4,4'-DDD	3.3	2,600	92,000	180,000	14,000	19		7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
4,4'-DDE	3.3	1,800	62,000	120,000	17,000	7.5		7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
4,4'-DDT	3.3	1,700	47,000	94,000	136,000	31		9.2		7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	UJ	7	U	7	U	6.8	J
Aldrin	5	19	680	1,400	190	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
alpha-BHC	20	97	3,400	6,800	20	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
alpha-Chlordane	94	910	24,000	47,000	2,900	10		7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	5.7	J
beta-BHC	36	72	3,000	14,000	90	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Chlordane	NC	NC	NC	NC	NC	140	J	76	U	71	U	69	U	73	U	70	U	69	U	71	U	70	U	70	U	55	J
delta-BHC	40	100,000	500,000	1,000,000	250	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Dieldrin	5	39	1,400	2,800	100	39		7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Endosulfan I	2,400	4,800	200,000	920,000	102,000	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Endosulfan II	2,400	4,800	200,000	920,000	102,000	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Endosulfan sulfate	2,400	4,800	200,000	920,000	1,000,000	7.4	U	7.6	U	7.1	U	6.9	UJ	7.3	UJ	7	U	6.9	UJ	7.1	U	7	UJ	7	UJ	7.3	UJ
Endrin	14	2,200	89,000	410,000	60	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Endrin aldehyde	NC	NC	NC	NC	NC	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Endrin ketone	NC	NC	NC	NC	NC	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
gamma-BHC (Lindane)	100	280	9,200	23,000	100	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
gamma-Chlordane	NC	NC	NC	NC	NC	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	5.5	J
Heptachlor	42	420	15,000	29,000	380	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Heptachlor epoxide	NC	NC	NC	NC	NC	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	U	7	U	7	U	7.3	U
Methoxychlor	NC	NC	NC	NC	NC	7.4	U	7.6	U	7.1	U	6.9	U	7.3	U	7	U	6.9	U	7.1	UJ	7	U	7	U	7.3	U
Silvex (2,4,5-TP)	3,800	58,000	500,000	1,000,000	3,800	19	U	19	U	18	U	18	U	18	U	18	U	18	U	18	U	18	U	18	U	19	U
Toxaphene	NC	NC	NC	NC	NC	74	U	76	U	71	U	69	U	73	U	70	U	69	U	71	U	70	U	70	U	73	U

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 15
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR PESTICIDES

Sample ID						TRC-SB16(10.5-12.5')		TRC-SB17(10-12')		TRC-SB18(9-11')		TRC-SB19(8.5-10.5')		TRC-SB20(7-9')		TRC-SB21(9-11')		TRC-SB22(16-18')		TRC-SB23(12-14')		TRC-SB23(12-14')A		TRC-SB24(15-17')	
Lab Sample ID						460-27885-9		460-27926-1		460-27926-2		460-27926-3		460-27926-4		460-27983-2		460-27926-5		460-27926-6		460-27926-8		460-27926-7	
Sampling Date						06-20-11		06-21-11		06-21-11		06-21-11		06-21-11		06-22-11		06-21-11		06-21-11		06-21-11		06-21-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
PESTICIDES (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
4,4'-DDD	3.3	2,600	92,000	180,000	14,000	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
4,4'-DDE	3.3	1,800	62,000	120,000	17,000	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
4,4'-DDT	3.3	1,700	47,000	94,000	136,000	7	U	7.4	U	7.1	U	6.3	J	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Aldrin	5	19	680	1,400	190	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	U	6.9	U	6.9	U	6.9	U	6.9	U
alpha-BHC	20	97	3,400	6,800	20	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	U	6.9	U	6.9	U	6.9	U	6.9	U
alpha-Chlordane	94	910	24,000	47,000	2,900	7	U	7.4	U	7.1	U	7.2	U	18		7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
beta-BHC	36	72	3,000	14,000	90	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	U	6.9	U	6.9	U	6.9	U	6.9	U
Chlordane	NC	NC	NC	NC	NC	70	U	74	U	71	U	72	U	56	J	75	U	69	U	69	U	69	U	69	U
delta-BHC	40	100,000	500,000	1,000,000	250	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	U	6.9	U	6.9	U	6.9	U	6.9	U
Dieldrin	5	39	1,400	2,800	100	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Endosulfan I	2,400	4,800	200,000	920,000	102,000	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Endosulfan II	2,400	4,800	200,000	920,000	102,000	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Endosulfan sulfate	2,400	4,800	200,000	920,000	1,000,000	7	UJ	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Endrin	14	2,200	89,000	410,000	60	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Endrin aldehyde	NC	NC	NC	NC	NC	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Endrin ketone	NC	NC	NC	NC	NC	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
gamma-BHC (Lindane)	100	280	9,200	23,000	100	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	U	6.9	U	6.9	U	6.9	U	6.9	U
gamma-Chlordane	NC	NC	NC	NC	NC	7	U	7.4	U	7.1	U	7.2	U	11		7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Heptachlor	42	420	15,000	29,000	380	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	U	6.9	U	6.9	U	6.9	U	6.9	U
Heptachlor epoxide	NC	NC	NC	NC	NC	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Methoxychlor	NC	NC	NC	NC	NC	7	U	7.4	U	7.1	U	7.2	U	7.1	U	7.5	UR	6.9	U	6.9	U	6.9	U	6.9	U
Silvex (2,4,5-TP)	3,800	58,000	500,000	1,000,000	3,800	18	U	19	U	18	U	18	U	18	U	19	U	18	U	17	U	18	U	18	U
Toxaphene	NC	NC	NC	NC	NC	70	U	74	U	71	U	72	U	71	U	7.5	UR	69	U	69	U	69	U	69	U

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 15
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR PESTICIDES

Sample ID						TRC-SB25(14-16')		TRC-SB26(10.5-12.5')		TRC-SB27(6-8')		TRC-SB28(9-11')		TRC-SB29(4-6')		TRC-SB30(6-8')		TRC-SB31(11-13')		TRC-SB31(11-13')A		TRC-SB32(8-10')	
Lab Sample ID						460-27983-8		460-27983-3		460-27983-4		460-27983-5		460-27983-6		460-27926-9		460-27926-10		460-27926-11		460-27983-7	
Sampling Date						06-22-11		06-22-11		06-22-11		06-22-11		06-22-11		06-21-11		06-21-11		06-21-11		06-22-11	
Matrix						Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Dilution Factor						1		1		1		1		1		1		1		1		1	
Units						µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Land Use						Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial	
PESTICIDES (µg/kg)	Unrestricted Use SCO	Residential SCO	Commercial SCO	Industrial SCO	Protection of Groundwater SCO	Result		Result		Result		Result		Result		Result		Result		Result		Result	
4,4'-DDD	3.3	2,600	92,000	180,000	14,000	7.6	U	6.8	U	7	UR	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
4,4'-DDE	3.3	1,800	62,000	120,000	17,000	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
4,4'-DDT	3.3	1,700	47,000	94,000	136,000	7.6	UR	6.8	U	7	UR	6.9	U	6.9	U	6.7	U	4.2	J	4.2	J	7.2	UR
Aldrin	5	19	680	1,400	190	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
alpha-BHC	20	97	3,400	6,800	20	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
alpha-Chlordane	94	910	24,000	47,000	2,900	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	3.6	J
beta-BHC	36	72	3,000	14,000	90	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
Chlordane	NC	NC	NC	NC	NC	76	U	68	U	70	U	69	U	69	U	67	U	68	U	68	U	72	U
delta-BHC	40	100,000	500,000	1,000,000	250	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
Dieldrin	5	39	1,400	2,800	100	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
Endosulfan I	2,400	4,800	200,000	920,000	102,000	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
Endosulfan II	2,400	4,800	200,000	920,000	102,000	7.6	UR	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
Endosulfan sulfate	2,400	4,800	200,000	920,000	1,000,000	7.6	UR	6.8	U	7	UR	6.9	U	6.9	U	6.7	U	10		7.2		7.2	UR
Endrin	14	2,200	89,000	410,000	60	7.6	U	6.8	U	7	UR	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
Endrin aldehyde	NC	NC	NC	NC	NC	7.6	UR	6.8	U	7	UR	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
Endrin ketone	NC	NC	NC	NC	NC	7.6	UR	6.8	U	7	UR	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	UR
gamma-BHC (Lindane)	100	280	9,200	23,000	100	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
gamma-Chlordane	NC	NC	NC	NC	NC	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
Heptachlor	42	420	15,000	29,000	380	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
Heptachlor epoxide	NC	NC	NC	NC	NC	7.6	U	6.8	U	7	U	6.9	U	6.9	U	6.7	U	6.8	U	6.8	U	7.2	U
Methoxychlor	NC	NC	NC	NC	NC	7.6	UR	6.8	U	7	UR	6.9	U	6.9	U	6.7	U	20	J	8.4	J	7.2	UR
Silvex (2,4,5-TP)	3,800	58,000	500,000	1,000,000	3,800	19	U	17	U	18	U	17	U	17	U	17	U	17	U	17	U	18	U
Toxaphene	NC	NC	NC	NC	NC	7.6	UR	68	U	7	UR	69	U	69	U	67	U	68	U	68	U	68	UR

Notes:
µg/kg - micrograms per kilogram
Residential - Property is zoned Residential and results are compared to Unrestricted Use SCOs, Residential Use SCOs, and Protection of Groundwater SCOs.
Commercial - Property is zoned Commercial and results are compared to Unrestricted Use SCOs, Commercial Use SCOs, and Protection of Groundwater SCOs.
Industrial - Property is zoned Industrial and results are compared to Industrial Use SCOs, Unrestricted Use SCOs, and Protection of Groundwater SCOs.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
NC - No criterion
R - Nondetect sample result rejected after QC review.
SCO - Soil Cleanup Objective
U - Analyte was not detected.
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.

TABLE 16
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR VOLATILE ORGANIC COMPOUNDS

Sample ID		MW-1		MW-2		MW-3		MW-1		MW-2		MW-3		MW-4	
Lab Sample ID		202843-2		202843-1		202843-3		E1251-05		E1251-01		E1250-03		E1250-06	
Sampling Date		12-30-2002		12-30-2002		12-30-2002		08-16-2006		08-16-2006		08-16-2006		08-16-2006	
Matrix		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
VOLATILE ORGANIC COMPOUNDS (VOCs)	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2,3-Trichlorobenzene	5	NA		NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	5	NA		NA		NA		NA		NA		NA		NA	
1,2,4-Trimethylbenzene	5	NA		NA		NA		NA		NA		NA		NA	
1,2-Dibromo-3-Chloropropane	0.04	NA		NA		NA		NA		NA		NA		NA	
1,2-Dibromoethane	0.0006	NA		NA		NA		NA		NA		NA		NA	
1,2-Dichlorobenzene	3	NA		NA		NA		5	U	5	U	5	U	5	U
1,2-Dichloroethane	0.6	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,3,5-Trimethylbenzene	5	NA		NA		NA		NA		NA		NA		NA	
1,3-Dichlorobenzene	3	NA		NA		NA		5	U	5	U	5	U	5	U
1,4-Dichlorobenzene	3	NA		NA		NA		5	U	5	U	5	U	5	U
2-Chloroethyl vinyl ether	NC	NA		NA		NA		5	UJ	5	UJ	5	UJ	5	UJ
1,4-Dioxane	NC	NA		NA		NA		NA		NA		NA		NA	
2-Butanone (MEK)	50	10	U	10	U	10	U	NA		NA		NA		NA	
2-Hexanone	50	10	U	10	U	10	U	NA		NA		NA		NA	
4-Methyl-2-pentanone	NC	10	U	10	U	10	U	NA		NA		NA		NA	
Acetone	50	2	J	10	U	10	U	NA		NA		NA		NA	
Acrolein	NC	NA		NA		NA		NA		NA		NA		NA	
Acrylonitrile	NC	NA		NA		NA		25	U	25	U	25	U	25	U
Benzene	1	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	5	NA		NA		NA		NA		NA		NA		NA	
Bromodichloromethane	50	5	U	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
Bromoform	50	5	U	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
Bromomethane	5	10	U	10	U	10	U	5	U	5	U	5	U	5	U
Carbon disulfide	60	10	U	10	U	10	U	NA		NA		NA		NA	
Carbon tetrachloride	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Chloroethane	5	10	U	10	U	10	U	5	U	5	U	5	U	5	U
Chloroform	7	5	U	5	U	5	U	5	U	5	U	1	J	5	U
Chloromethane	5	10	U	10	U	10	U	5	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	0.4[a]	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Cyclohexane	NC	NA		NA		NA		NA		NA		NA		NA	
Dibromochloromethane	50	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	NA		NA		NA		NA		NA		NA		NA	
Ethylbenzene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Freon TF[1]	5	NA		NA		NA		NA		NA		NA		NA	
Isopropylbenzene	5	NA		NA		NA		NA		NA		NA		NA	
m&p-Xylene	5[b]	NA		NA		NA		5	U	5	U	5	U	5	U
Methyl acetate	NC	NA		NA		NA		NA		NA		NA		NA	
Methylcyclohexane	NC	NA		NA		NA		NA		NA		NA		NA	
Methylene Chloride	5	5	U	5	U	1	J	5	U	5	U	5	U	5	U
Methyl tert-butyl ether (MTBE)	10	NA		NA		NA		NA		NA		NA		NA	
n-Butylbenzene	5	NA		NA		NA		NA		NA		NA		NA	
N-Propylbenzene	5	NA		NA		NA		NA		NA		NA		NA	
o-Xylene	5[b]	NA		NA		NA		5	U	5	U	5	U	5	U
p-Isopropyltoluene	5	NA		NA		NA		NA		NA		NA		NA	
sec-Butylbenzene	5	NA		NA		NA		NA		NA		NA		NA	
Styrene	5	5	U	5	U	5	U	NA		NA		NA		NA	
tert-Butylbenzene	5	NA		NA		NA		NA		NA		NA		NA	
Tetrachloroethene (PCE)	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Toluene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,2-Dichloroethene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	0.4[a]	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethene (TCE)	5	3	J	5	U	3	J	5	U	5	U	5	U	5	U
Trichlorofluoromethane	5	NA		NA		NA		5	U	5	U	5	U	5	U
Vinyl acetate	NC	10	U	10	U	10	U	NA		NA		NA		NA	
Vinyl chloride	2	10	U	10	U	10	U	5	U	5	U	5	U	5	U
Xylene (Total)	NC	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Total VOCs	NC	5		0		4		0		0		1		0	

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

R - Nondetect sample result rejected after QC review.

NA - Not Analyzed.

NC - No Criterion.

[a] 0.4 µg/L applies to the sum of cis- and trans-1,3-dichloropropene

[b] There is no Standard or Guidance Value for total xylenes. The Standard for o-xylene, m-xylene, and p-xylene is 5 µg/L.

[1] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and 1,1,2-trichlorotrifluoroethane.

Shading indicates result above Class GA Values.

TABLE 16
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR VOLATILE ORGANIC COMPOUNDS

Sample ID		MW-5		DUP-001		MW-1		MW-1A		MW-2		MW-3		MW-4	
Lab Sample ID		E1250-02		E1250-04		460-25492-1		460-25492-2		460-25492-3		460-25524-1		460-25426-1	
Sampling Date		08-16-2006		08-16-2006		04-18-11		04-18-11		04-18-11		04-19-11		04-15-11	
Matrix		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
VOLATILE ORGANIC COMPOUNDS (VOCs)	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	5	5	U	5	U	1.0	U	1.0	U	1.0	UJ	1.0	U	1.0	U
1,1,2-Trichloroethane	1	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	5	5	U	5	U	1.0	U	1.0	U	0.21	J	1.0	U	1.0	U
1,1-Dichloroethene	5	5	U	5	U	1.0	U	1.0	U	0.25	J	1.0	U	1.0	U
1,2,3-Trichlorobenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trichlorobenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	UJ
1,2,4-Trimethylbenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-Chloropropane	0.04	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	0.0006	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	3	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	0.6	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	1	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	3	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	3	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Chloroethyl vinyl ether	NC	5	UJ	5	UJ	NA		NA		NA		NA		NA	
1,4-Dioxane	NC	NA		NA		50	UR	50	UR	50	UR	50	UR	50	UR
2-Butanone (MEK)	50	NA		NA		10	U	10	U	10	U	10	U	10	U
2-Hexanone	50	NA		NA		10	UJ	10	UJ	10	UJ	10	U	10	U
4-Methyl-2-pentanone	NC	NA		NA		10	U	10	U	10	U	10	U	10	U
Acetone	50	NA		NA		10	U	10	U	10	U	10	U	10	U
Acrolein	NC	NA		NA		NA		NA		NA		NA		NA	
Acrylonitrile	NC	25	U	25	U	NA		NA		NA		NA		NA	
Benzene	1	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	50	5	UJ	5	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	50	5	UJ	5	UJ	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromomethane	5	5	U	5	U	1.0	UR	1.0	UR	1.0	UR	1.0	UR	1.0	UR
Carbon disulfide	60	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon tetrachloride	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	UJ
Chlorobenzene	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	7	230		240		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	5	5		4	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	0.4[a]	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cyclohexane	NC	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	50	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Freon TF[1]	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Isopropylbenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
m&p-Xylene	5[b]	5	U	5	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl acetate	NC	NA		NA		2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylcyclohexane	NC	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Chloride	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methyl tert-butyl ether (MTBE)	10	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
n-Butylbenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	UJ
N-Propylbenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	UJ
o-Xylene	5[b]	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	UJ
sec-Butylbenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	UJ
Styrene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	5	NA		NA		1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	UJ
Tetrachloroethene (PCE)	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	0.4[a]	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethene (TCE)	5	54		52		1.0	U	1.0	U	1.0	U	0.53	J	1.0	U
Trichlorofluoromethane	5	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	NC	NA		NA		NA		NA		NA		NA		NA	
Vinyl chloride	2	5	U	5	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Xylene (Total)	NC	5	U	5	U	NA		NA		NA		NA		NA	
Total VOCs	NC	284		296		0		0		0.46		0.53		0	

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

R - Nondetect sample result rejected after QC review.

NA - Not Analyzed.

NC - No Criterion.

[a] 0.4 µg/L applies to the sum of cis- and trans-1,3-dichloropropene

[b] There is no Standard or Guidance Value for total xylenes. The Standard for o-xylene, m-xylene, and p-xylene is 5 µg/L.

[1] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and 1,1,2-trichlorotrifluoroethane.

Shading indicates result above Class GA Values.

TABLE 16
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR VOLATILE ORGANIC COMPOUNDS

Sample ID		MW-5		GW EQUIP BLANK 1		TRIP BLANK 1		TRIP BLANK 2		TRIP BLANK 3	
Lab Sample ID		460-25524-2		460-25426-2		460-25426-3		460-25492-4		460-25524-3	
Sampling Date		04-19-11		04-15-11		04-15-11		04-18-11		04-19-11	
Matrix		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
VOLATILE ORGANIC COMPOUNDS (VOCs)	Class GA Values (µg/L)	Result		Result		Result		Result		Result	
1,1,1-Trichloroethane (TCA)	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	5	1.0	U	1.0	U	1.0	U	1.0	UJ	1.0	U
1,1,2-Trichloroethane	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trichlorobenzene	5	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trimethylbenzene	5	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ
1,2-Dibromo-3-Chloropropane	0.04	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	0.0006	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	0.6	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Chloroethyl vinyl ether	NC	NA		NA		NA		NA		NA	
1,4-Dioxane	NC	50	UR	50	UR	50	UR	50	UR	50	UR
2-Butanone (MEK)	50	10	U	10	U	10	U	10	U	10	U
2-Hexanone	50	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	NC	10	U	10	U	10	U	10	U	10	U
Acetone	50	10	U	10	U	10	U	10	U	10	U
Acrolein	NC	NA		NA		NA		NA		NA	
Acrylonitrile	NC	NA		NA		NA		NA		NA	
Benzene	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromochloromethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromodichloromethane	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	50	1	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromomethane	5	1.0	UR	1.0	UR	1.0	UR	1.0	UR	1.0	UR
Carbon disulfide	60	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U
Carbon tetrachloride	5	1.0	UJ	1.0	U	1.0	UJ	1.0	UJ	1.0	UJ
Chlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	7	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	0.4[a]	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cyclohexane	NC	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dibromochloromethane	50	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Freon TF[1]	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Isopropylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
m&p-Xylene	5[b]	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methyl acetate	NC	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Methylcyclohexane	NC	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Chloride	5	1.0	U	1.0	U	0.25	J	1.0	U	0.26	J
Methyl tert-butyl ether (MTBE)	10	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
n-Butylbenzene	5	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	1.0	UJ
N-Propylbenzene	5	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	1.0	UJ
o-Xylene	5[b]	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	5	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	1.0	UJ
sec-Butylbenzene	5	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	1.0	UJ
Styrene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
tert-Butylbenzene	5	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	1.0	UJ
Tetrachloroethene (PCE)	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	0.4[a]	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethene (TCE)	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl acetate	NC	NA		NA		NA		NA		NA	
Vinyl chloride	2	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Xylene (Total)	NC	NA		NA		NA		NA		NA	
Total VOCs	NC	0		0		0.25		0		0.26	

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

R - Nondetect sample result rejected after QC review.

NA - Not Analyzed.

NC - No Criterion.

[a] 0.4 µg/L applies to the sum of cis- and trans-1,3-dichloropropene

[b] There is no Standard or Guidance Value for total xylenes. The Standard for o-xylene, m-xylene, and p-xylene is 5 µg/L.

[1] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and 1,1,2-trichlorotrifluoroethane.

Shading indicates result above Class GA Values.

TABLE 17
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID		MW-1		MW-2		MW-3		MW-1		MW-2		MW-3		MW-4		MW-5	
Lab Sample ID		202843-2		202843-1		202843-3		E1251-05		E1251-01		E1250-03		E1250-06		E1250-02	
Sampling Date		12-30-2002		12-30-2002		12-30-2002		08-16-2006		08-16-2006		08-16-2006		08-16-2006		08-16-2006	
Matrix		Water		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result		Result	
1,2,4,5-Tetrachlorobenzene	5	NA		NA		NA		NA		NA		NA		NA		NA	
1,2,4-Trichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
1,2-Dichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
1,3-Dichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
2,2'-oxybis[1-chloropropane]	5	NA		NA		NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	5	NA		NA		NA		NA		NA		NA		NA		NA	
2,4-Dimethylphenol	50	NA		NA		NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	10	NA		NA		NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	5	NA		NA		NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	5	NA		NA		NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	10	NA		NA		NA		NA		NA		NA		NA		NA	
2-Chlorophenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
2-Methylnaphthalene	NC	10	U	11	U	10	U	NA		NA		NA		NA		NA	
2-Methylphenol (o-cresol)	NC	NA		NA		NA		NA		NA		NA		NA		NA	
2-Nitroaniline	5	NA		NA		NA		NA		NA		NA		NA		NA	
2-Nitrophenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
3 & 4 Methylphenol (m&p-cresol)	NC	NA		NA		NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	5	NA		NA		NA		NA		NA		NA		NA		NA	
3-Nitroaniline	5	NA		NA		NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
4-Bromophenyl phenyl ether	NC	NA		NA		NA		NA		NA		NA		NA		NA	
4-Chloro-3-methylphenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
4-Chloroaniline	5	NA		NA		NA		NA		NA		NA		NA		NA	
4-Chlorophenyl phenyl ether	NC	NA		NA		NA		NA		NA		NA		NA		NA	
4-Methylphenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
4-Nitroaniline	5	NA		NA		NA		NA		NA		NA		NA		NA	
4-Nitrophenol	NC	NA		NA		NA		NA		NA		NA		NA		NA	
Acenaphthene	20	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	NC	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone	NC	NA		NA		NA		NA		NA		NA		NA		NA	
Anthracene	50	NA		NA		NA		10	U	10	U	10	U	10	U	10	U
Atrazine	7.5	NA		NA		NA		NA		NA		NA		NA		NA	
Benzaldehyde	NC	NA		NA		NA		NA		NA		NA		NA		NA	
Benzo[a]anthracene	0.002	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzo[a]pyrene	>ND	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzo[b]fluoranthene	0.002	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzo[g,h,i]perylene	NC	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzo[k]fluoranthene	0.002	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Bis(2-chloroethoxy)methane	5	NA		NA		NA		NA		NA		NA		NA		NA	
Bis(2-chloroethyl)ether	1	NA		NA		NA		NA		NA		NA		NA		NA	
Bis(2-ethylhexyl) phthalate	5	NA		NA		NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	50	NA		NA		NA		NA		NA		NA		NA		NA	
Caprolactam	NC	NA		NA		NA		NA		NA		NA		NA		NA	
Carbazole	NC	NA		NA		NA		NA		NA		NA		NA		NA	
Chrysene	0.002	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Dibenz(a,h)anthracene	NC	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Dibenzofuran	NC	NA		NA		NA		10	U	10	U	10	U	10	U	10	U
Diethyl phthalate	50	NA		NA		NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	50	NA		NA		NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	50	NA		NA		NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	50	NA		NA		NA		NA		NA		NA		NA		NA	
Diphenyl (1,1'Biphenyl)	5	NA		NA		NA		NA		NA		NA		NA		NA	
Fluoranthene	50	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Fluorene	50	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	0.04	NA		NA		NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	0.5	NA		NA		NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	5	NA		NA		NA		NA		NA		NA		NA		NA	
Hexachloroethane	5	NA		NA		NA		NA		NA		NA		NA		NA	
Indeno[1,2,3-cd]pyrene	0.002	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Isophorone	50	NA		NA		NA		NA		NA		NA		NA		NA	
Naphthalene	10	10	U	11	U	10	U	10	U	10	U	10	U	10	U	10	U
Nitrobenzene	0.4	NA		NA		NA		NA		NA		NA		NA		NA	
N-Nitrosodi-n-propylamine	NC	NA		NA		NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	50	NA		NA		NA		NA		NA		NA		NA		NA	
Pentachlorophenol	1	NA		NA		NA		NA		NA		NA		NA		NA	
Phenanthrene	50	10	U	11	U	10	U	10	U	10	UJ	10	U	10	U	10	U
Phenol	1	NA		NA		NA		NA		NA		NA		NA		NA	
Pyrene	50	10	U	11	U	10	U	10	U	10	UJ	10	U	10	U	10	U
Total SVOCs	NC	0		0		0		0		0		0		0		0	

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

NA - Not Analyzed.

NC - No Criterion.

>ND - Benzo(a)pyrene exceedance is any concentration above the detection limit.

Shading indicates result above Class GA Values.

TABLE 17
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID		DUP-001		MW-1		MW-1A		MW-2		MW-3		MW-4		MW-5		GW EQUIP BLANK 1	
Lab Sample ID		E1250-04		460-25492-1		460-25492-2		460-25492-3		460-25524-1		460-25426-1		460-25524-2		460-25426-2	
Sampling Date		08-16-2006		04-18-11		04-18-11		04-18-11		04-19-11		04-15-11		04-19-11		04-15-11	
Matrix		Water		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result		Result	
1,2,4,5-Tetrachlorobenzene	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
1,2,4-Trichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
1,2-Dichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
1,3-Dichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	NC	NA		NA		NA		NA		NA		NA		NA		NA	
2,2'-oxybis[1-chloropropane]	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2,3,4,6-Tetrachlorophenol	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2,4,5-Trichlorophenol	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2,4,6-Trichlorophenol	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2,4-Dichlorophenol	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2,4-Dimethylphenol	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2,4-Dinitrophenol	10	NA		32	U	33	U	33	U	33	U	33	U	35	U	32	U
2,4-Dinitrotoluene	5	NA		2.1	U	2.2	U	2.2	U	2.2	U	2.2	U	2.4	U	2.1	U
2,6-Dinitrotoluene	5	NA		2.1	U	2.2	U	2.2	U	2.2	U	2.2	U	2.4	U	2.1	U
2-Chloronaphthalene	10	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2-Chlorophenol	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2-Methylnaphthalene	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2-Methylphenol (o-cresol)	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
2-Nitroaniline	5	NA		21	U	22	U	22	U	22	U	22	U	24	U	21	U
2-Nitrophenol	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
3 & 4 Methylphenol (m&p-cresol)	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
3,3'-Dichlorobenzidine	5	NA		21	U	22	U	22	U	22	U	22	U	24	U	21	U
3-Nitroaniline	5	NA		21	U	22	U	22	U	22	U	22	U	24	U	21	U
4,6-Dinitro-2-methylphenol	NC	NA		32	U	33	U	33	U	33	U	33	U	35	U	32	U
4-Bromophenyl phenyl ether	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
4-Chloro-3-methylphenol	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
4-Chloroaniline	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
4-Chlorophenyl phenyl ether	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
4-Methylphenol	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
4-Nitroaniline	5	NA		21	U	22	U	22	U	22	U	22	U	24	U	21	U
4-Nitrophenol	NC	NA		32	U	33	U	33	U	33	U	33	U	35	U	32	U
Acenaphthene	20	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Acenaphthylene	NC	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Acetophenone	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Anthracene	50	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Atrazine	7.5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Benzaldehyde	NC	NA		11	UJ	11	UJ	11	UJ	11	UJ	11	UJ	12	UJ	11	UJ
Benzo[a]anthracene	0.002	10	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Benzo[a]pyrene	>ND	10	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Benzo[b]fluoranthene	0.002	10	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Benzo[g,h,i]perylene	NC	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Benzo[k]fluoranthene	0.002	10	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Bis(2-chloroethoxy)methane	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Bis(2-chloroethyl)ether	1	NA		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Bis(2-ethylhexyl) phthalate	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Butyl benzyl phthalate	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Caprolactam	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Carbazole	NC	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Chrysene	0.002	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Dibenz(a,h)anthracene	NC	10	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Dibenzofuran	NC	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Diethyl phthalate	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Dimethyl phthalate	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Di-n-butyl phthalate	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Di-n-octyl phthalate	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Diphenyl (1,1'Biphenyl)	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Fluoranthene	50	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Fluorene	50	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Hexachlorobenzene	0.04	NA		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Hexachlorobutadiene	0.5	NA		2.1	U	2.2	U	2.2	U	2.2	U	2.2	U	2.4	U	2.1	U
Hexachlorocyclopentadiene	5	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Hexachloroethane	5	NA		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Indeno[1,2,3-cd]pyrene	0.002	10	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
Isophorone	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Naphthalene	10	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Nitrobenzene	0.4	NA		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
N-Nitrosodi-n-propylamine	NC	NA		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U
N-Nitrosodiphenylamine	50	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Pentachlorophenol	1	NA		32	U	33	U	33	U	33	U	33	U	35	U	32	U
Phenanthrene	50	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Phenol	1	NA		11	U	11	U	11	U	11	U	11	U	12	U	11	U
Pyrene	50	10	U	11	U	11	U	11	U	11	U	11	U	12	U	11	U
Total SVOCs	NC	0		0		0		0		0		0		0		0	

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

NA - Not Analyzed.

NC - No Criterion.

>ND - Benzo(a)pyrene exceedance is any concentration above the detection limit.

Shading indicates result above Class GA Values.

TABLE 18
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR METALS AND CYANIDE

Sample ID		MW-1		MW-2		MW-3		MW-1		MW-2		MW-3		MW-4		MW-5	
Lab Sample ID		202843-2		202843-1		202843-3		E1251-05		E1251-01		E1250-03		E1250-06		E1250-02	
Sampling Date		12-30-2002		12-30-2002		12-30-2002		08-16-2006		08-16-2006		08-16-2006		08-16-2006		08-16-2006	
Matrix		Water		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
METALS AND CYANIDE	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	NA		NA		NA		317		117	J	14	U	14	U	677	
Antimony	3	20	U	20	U	20	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
Arsenic	25	40	U	64.4		40	U	3	J	146		1.6	U	1.6	U	1.6	U
Barium	1,000	NA		NA		NA		39.1	J	52.3	J	46	J	39.1	J	41.7	J
Beryllium	3	5	U	5	U	5	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Cadmium	5	10	U	2.9	J	10	U	0.23	J	15.4	J	0.42	J	0.36	J	0.38	J
Calcium	NC	NA		NA		NA		156,000		278,000		192,000		138,000		76,900	
Chromium (Total)	50	15		10	U	108		1.4	J	0.38	U	1.9	J	0.9	J	2.2	J
Cobalt	NC	NA		NA		NA		1.9	J	10.8	J	0.52	J	0.32	J	2.5	J
Copper	200	2.4	J	4	J	4.8	J	6.3	U	6.4	J	6.3	U	6.3	U	9	J
Cyanide (Total)	200	10	U	9.4	J	10	U	9.1	U	20.6		9.1	U	9.1	U	9.1	U
Iron	300	NA		NA		NA		19,900		109	J	468		19	U	904	
Lead	25	10	U	4.9	J	10	U	0.46	U	18.4		0.46	U	0.46	U	0.46	U
Magnesium	35,000	NA		NA		NA		45,900	J	43,300	J	71,700	J	49,200	J	10,600	J
Manganese	300	NA		NA		NA		4,450	J	2,900	J	2.7	J	76	J	72.8	J
Mercury (Total)	0.7	0.2	U	0.2	U	0.2	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
Nickel	100	3.3	J	41.6		3.1	J	3.9	J	223	J	1.5	J	0.59	UJ	23	J
Potassium	NC	NA		NA		NA		7,010		12,400		7,990		4,040		20,900	
Selenium	10	30	U	30	U	30	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U
Silver	50	6	U	3.2	J	6	U	0.91	U	3.6	J	0.91	U	0.91	U	5.8	J
Sodium	20,000	NA		NA		NA		74,600		222,000		222,000		89,900		273,000	
Thallium	0.5	40	U	40	U	40	U	13	J	11.4	J	1.2	U	1.2	U	1.2	U
Vanadium	NC	NA		NA		NA		1.9	J	0.99	J	0.47	U	0.47	U	0.99	J
Zinc	2,000	50	U	38,800		27.9		42.5	J	35,700	J	35.9	J	25.5	J	65.3	J

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

R - Nondetect sample result rejected after QC review.

NA - Not Analyzed.

NC - No Criterion.

Shading indicates result above Class GA Values.

TABLE 18
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR METALS AND CYANIDE

Sample ID		DUP-001		MW-1		MW-1		MW-1A		MW-1A		MW-2		MW-2	
Lab Sample ID		E1250-04		460-25492-1		460-25492-1		460-25492-2		460-25492-2		460-25492-3		460-25492-3	
Sampling Date		08-16-2006		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11		04-18-11	
Matrix		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Filtered		Unfiltered		Filtered		Unfiltered		Filtered		Unfiltered	
METALS AND CYANIDE	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	611		200	U	200	U	200	U	200	U	200	U	200	U
Antimony	3	1.2	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Arsenic	25	1.6	U	5.0	U	4.9	J	5.0	U	5.0	U	6.2		6.0	
Barium	1,000	41	J	11.8	J	9.8	J	11.8	J	9.6	J	11.0	J	9.5	J
Beryllium	3	0.15	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	5	0.41	J	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	NC	75,200		64,000		67,000		63,000		66,100		34,200		37,200	
Chromium (Total)	50	2	J	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	NC	2.5	J	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Copper	200	7.2	J	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
Cyanide (Total)	200	9.1	U	10	U	10	U	10	U	10	U	10	U	10	U
Iron	300	824		150	U	4,750		150	U	3,990		150	U	64.9	J
Lead	25	0.46	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	35,000	10,400	J	14,300		13,900		14,300		13,700		6,610		6,640	
Manganese	300	69.7	J	119		141		120		136		109		140	
Mercury (Total)	0.7	0.047	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	100	26.8	J	40.0	U	40.0	U	40.0	U	40.0	U	16.4	J	21.1	J
Potassium	NC	20,900		3,360	J	5,000	U	3,110	J	5,000	U	2,160	J	5,000	U
Selenium	10	0.98	U	10.0	UJ	10	UR	10.0	UJ	10	UR	10.0	UJ	10	UR
Silver	50	5.7	J	10.0	U	10	U	10.0	U	10.0	U	10.8		13.1	
Sodium	20,000	255,000		72,000		64,800		66,800		63,900		88,600		86,400	
Thallium	0.5	1.2	U	10.0	U	10	UR	10.0	U	10	UR	10.0	U	10	UR
Vanadium	NC	0.92	J	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	2,000	39.6	J	30.0	U	30.0	U	30.0	U	30.0	U	2,210		2,920	

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

R - Nondetect sample result rejected after QC review.

NA - Not Analyzed.

NC - No Criterion.

Shading indicates result above Class GA Values.

TABLE 18
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR METALS AND CYANIDE

Sample ID		MW-3		MW-3		MW-4		MW-4		MW-5		MW-5		GW EQUIP BLANK 1	
Lab Sample ID		460-25524-1		460-25524-1		460-25426-1		460-25426-1		460-25524-2		460-25524-2		460-25426-2	
Sampling Date		04-19-11		04-19-11		04-15-11		04-15-11		04-19-11		04-19-11		04-15-11	
Matrix		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Filtered		Unfiltered		Filtered		Unfiltered		Filtered		Unfiltered		Unfiltered	
METALS AND CYANIDE	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result	
Aluminum	NC	200	U	200	U	200	U	153	J	200	U	200	U	200	U
Antimony	3	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Arsenic	25	5.0	UJ	5.0	UJ	5.0	U	4.2	J	5.0	U	5.0	UJ	5.0	U
Barium	1,000	10.2	J	11.3	J	41.7	J	39.7	J	6.2	J	6.3	J	200	U
Beryllium	3	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	5	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	NC	60,600		60,800		155,000		137,000		27,200		27,100		5,000	U
Chromium (Total)	50	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	NC	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Copper	200	25.0	U	25.0	U	7.9	J	25.0	U	25.0	U	25.0	U	25.0	U
Cyanide (Total)	200	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Iron	300	384		3,470		150	U	150	U	150	U	59.8	J	150	U
Lead	25	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	35,000	32,300		33,400		49,300		45,500		3,290	J	3,340	J	5,000	U
Manganese	300	361		403		292		275		15.0	U	15.0	U	15.0	U
Mercury (Total)	0.7	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	100	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	NC	6,090		6,050		4,200	J	3,990	J	2,390	J	2,370	J	5,000	U
Selenium	10	10.0	UJ	10.0	U	10	UR	10.0	U	10.0	U	10.0	U	10.0	UJ
Silver	50	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	20,000	113,000		112,000		126,000		115,000		16,100		14,900		5,000	U
Thallium	0.5	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Vanadium	NC	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	2,000	30.0	U	30.0	U	30.0	U	30.0	U	30.0	U	30.0	U	30.0	U

Notes:

µg/L - micrograms per liter

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Analyte was not detected.

R - Nondetect sample result rejected after QC review.

NA - Not Analyzed.

NC - No Criterion.

Shading indicates result above Class GA Values.

TABLE 19
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR POLYCHLORINATED BIPHENYLS

Sample ID		MW-1		MW-1A		MW-2		MW-3		MW-4		MW-5		GW EQUIP BLANK 1	
Lab Sample ID		460-25492-1		460-25492-2		460-25492-3		460-25524-1		460-25426-1		460-25524-2		460-25426-2	
Sampling Date		04-18-11		04-18-11		04-18-11		04-19-11		04-15-11		04-19-11		04-15-11	
Matrix		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
POLYCHLORINATED BIPHENYLS (PCBs)	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result	
Aroclor 1016	NC	0.51	U	0.51	U	0.52	U	0.51	U	0.51	U	0.53	U	0.64	U
Aroclor 1221	NC	0.51	U	0.51	U	0.52	U	0.51	U	0.51	U	0.53	U	0.64	U
Aroclor 1232	NC	0.51	U	0.51	U	0.52	U	0.51	U	0.51	U	0.53	U	0.64	U
Aroclor 1242	NC	0.51	U	0.51	U	0.52	U	0.51	UJ	0.51	U	0.53	UJ	0.64	U
Aroclor 1248	NC	0.51	U	0.51	U	0.52	U	0.51	UJ	0.51	U	0.53	UJ	0.64	U
Aroclor 1254	NC	0.51	U	0.51	U	0.52	U	0.51	UJ	0.51	U	0.53	UJ	0.64	U
Aroclor 1260	NC	0.51	U	0.51	U	0.52	U	0.51	UJ	0.51	U	0.53	UJ	0.64	U
Aroclor 1262	NC	0.51	U	0.51	U	0.52	U	0.51	UJ	0.51	U	0.53	UJ	0.64	U
Aroclor 1268	NC	0.51	U	0.51	U	0.52	U	0.51	UJ	0.51	U	0.53	UJ	0.64	U
Total PCBs	0.09	0		0		0		0		0		0		0	

Notes:

µg/L - micrograms per liter

U - Analyte was not detected.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NC - No Criterion.

Shading indicates result above Class GA Values.

TABLE 20
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF GROUNDWATER SAMPLES FOR PESTICIDES

Sample ID		MW-1		MW-1A		MW-2		MW-3		MW-4		MW-5		GW EQUIP BLANK 1	
Lab Sample ID		460-25492-1		460-25492-2		460-25492-3		460-25524-1		460-25426-1		460-25524-2		460-25426-2	
Sampling Date		04-18-11		04-18-11		04-18-11		04-19-11		04-15-11		04-19-11		04-15-11	
Matrix		Water		Water		Water		Water		Water		Water		Water	
Dilution Factor		1		1		1		1		1		1		1	
Units		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered		Unfiltered	
PESTICIDES	Class GA Values (µg/L)	Result		Result		Result		Result		Result		Result		Result	
4,4'-DDD	0.3	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
4,4'-DDE	0.2	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
4,4'-DDT	0.2	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Aldrin	>ND	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
alpha-BHC	0.01	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
alpha-Chlordane	NC	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
beta-BHC	0.04	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Chlordane	0.05	0.51	U	0.51	U	0.54	U	0.53	U	0.51	U	0.52	U	0.64	U
delta-BHC	0.04	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Dieldrin	0.004	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Endosulfan I	NC	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Endosulfan II	NC	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Endosulfan sulfate	NC	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Endrin	>ND	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Endrin aldehyde	5	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Endrin ketone	5	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
gamma-BHC (Lindane)	0.05	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
gamma-Chlordane	NC	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Heptachlor	0.04	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Heptachlor epoxide	0.03	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Methoxychlor	35	0.051	U	0.051	U	0.054	U	0.053	U	0.051	U	0.052	U	0.064	U
Silvex (2,4,5-TP)	0.26	0.52	U	0.52	U	0.54	U	0.52	U	0.51	U	0.56	U	0.57	U
Toxaphene	0.06	0.51	U	0.51	U	0.54	U	0.53	U	0.51	U	0.52	U	0.64	U

Notes:
µg/L - micrograms per liter
U - Analyte was not detected.
NC - No Criterion.
>ND - Class GA Value is any detected concentration.
Shading indicates result above Class GA Values.

TABLE 21
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF AIR SAMPLES

Sample ID		SS-01		SS-02		SS-03		SS-05		SV-01		SV-02		SV-03		SV-4		SV-05		SV-05		SV-06		SV-07		SV-08		SV-09		SV-10		SV-11		SV-12	
Lab ID		C0707006-009		C0707006-010		C0707006-011		C0709007-002		681007		681009		681010		681008		681011		681012		C0707006-006		C0707006-005		C0707006-004		C0707006-003		C0707006-002		C0707006-001		C0707006-012	
Date Sampled		07-10-2007		07-10-2007		07-10-2007		09-6-2007		08-17-2006		08-17-2006		08-17-2006		09-6-2008		08-17-2006		08-17-2006		07-10-2007		07-10-2007		07-10-2007		07-10-2007		07-10-2007		07-10-2007		07-10-2007	
Matrix		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		On-Site Soil Vapor		Off-Site Soil Vapor		Off-Site Soil Vapor		Off-Site Soil Vapor		Off-Site Soil Vapor		Off-Site Soil Vapor		Off-Site Soil Vapor		Off-Site Soil Vapor	
Land Use		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Industrial		Duplicate Industrial		Commercial		Perimeter/Industrial		Perimeter/Industrial		Perimeter/Industrial		Perimeter/Industrial		Perimeter/Residential		Residential	
Volatile Organic Compound	NYSDOH AGV[1]	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane	--	31	J	680	J	620	J	7.0	J	600	U	16,000		600		9,800		710		600		29	J	42	J	5.2	J	2.1	J	0.83	U	0.61	J	1.4	J
1,1,2,2-Tetrachloroethane	--	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	760	U	140	U	6.9	U	140	U	11	U	6.9	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ	1.0	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	1.2	UJ	1.2	UJ	1.2	UJ	1.2	U	840	U	160	U	7.7	U	150	U	12	U	7.7	U	1.2	UJ	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	UJ
1,1,2-Trichloroethane	--	0.83	UJ	0.83	UJ	0.83	UJ	0.83	UJ	600	U	110	U	5.5	U	110	U	8.7	U	5.5	U	0.83	UJ	0.83	UJ	0.83	UJ	0.83	U	0.83	U	0.83	U	0.83	UJ
1,1-Dichloroethane	--	4.3	J	0.62	UJ	270		0.62	U	450	U	1,300		4.0	U	160		6.5	U	4.0	U	0.62	UJ	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	UJ
1,1-Dichloroethylene	--	4.4	J	0.60	UJ	0.60	UJ	0.60	U	440	U	750		4.0	U	140		6.3	U	4.0	U	0.60	UJ	0.60	U	0.60	U	0.60	U	0.60	U	0.60	U	0.60	UJ
1,2,4-Trichlorobenzene	--	1.1	UJ	1.1	UJ	1.1	UJ	1.1	U	2,000	UJ	390	UJ	19	UJ	370	UJ	30	UJ	19	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ
1,2,4-Trimethylbenzene	--	330		9.1	J	390		15.0	J	540	U	100	U	4.9	U	98	U	7.9	U	4.9	U	24	J	100	J	27	J	31	J	20	J	20		28	J
1,2-Dibromoethane (EDB)	--	1.2	UJ	1.2	UJ	1.2	UJ	1.2	U	850	U	160	U	7.7	U	150	U	12	U	7.7	U	1.2	UJ	1.2	UJ	1.2	UJ	1.2	UJ	1.2	UJ	1.2	UJ	1.2	UJ
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	--	1.1	UJ	1.1	UJ	1.1	UJ	1.1	U	770	U	150	U	7.0	U	140	U	11	U	7.0	U	1.1	UJ	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	UJ
1,2-Dichlorobenzene	--	0.92	UJ	0.92	UJ	0.92	UJ	0.92	U	660	U	130	U	6.0	U	120	U	9.6	U	6.0	U	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ
1,2-Dichloroethane	--	0.62	UJ	0.62	UJ	0.62	UJ	0.62	U	440	U	85	U	4.0	U	81	U	6.5	U	4.0	U	0.62	UJ	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	UJ
1,2-Dichloroethene	--	NA		NA		NA		NA		440	U	83	U	4.0	U	79	U	6.3	U	4.0	U	NA		NA		NA		NA		NA		NA		NA	
1,2-Dichloropropane	--	0.70	UJ	0.70	UJ	0.70	UJ	0.70	UJ	510	UJ	97	U	4.6	U	92	U	7.4	U	4.6	U	0.70	UJ	0.70	UJ	0.70	UJ	0.70	U	0.70	U	0.70	U	0.70	UJ
1,3,5-Trimethylbenzene	--	180	J	3.1	J	280	J	5.1	J	540	U	100	U	4.9	U	98	U	7.9	U	4.9	U	9.6	J	37	J	19	J	8.9	J	7.8	J	7.9	J	16	J
1,3-Butadiene	--	0.34	UJ	0.34	UJ	0.34	UJ	0.34	UJ	600	UJ	120	U	5.5	U	110	U	8.8	U	5.5	U	0.34	UJ	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	UJ
1,3-Dichlorobenzene	--	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ	660	UJ	130	U	6.0	U	120	U	9.6	U	6.0	U	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ	0.92	UJ
1,4-Dichlorobenzene	--	0.92	UJ	0.92	UJ	0.92	UJ	22	J	660	UJ	130	U	6.0	U	120	U	31		27		0.92	UJ	1.7	J	2.1	J	1.3	J	1.3	J	1.5	J	3.0	J
1,4-Dioxane	--	89	J	5.9	J	1.1	UJ	14	J	9,700	UJ	1,900	UJ	90	UJ	2,700	J	140	UJ	90	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	U	1.1	U	1.1	U	1.1	UJ
2,2,4-Trimethylpentane	--	0.71	UJ	0.71	UJ	0.71	UJ	0.71	U	510	U	98	U	4.7	U	93	U	7.5	U	4.7	U	0.71	UJ	0.71	UJ	0.71	UJ	0.71	U	0.71	U	0.71	U	23	J
2-Butanone (MEK)	--	67	J	7.5	J	37	J	14	J	8,600		1,900		7.4	U	1,700		12	U	7.4	U	620	J	1,400	J	2,600	J	1,200	J	73	J	59	J	180	J
2-Chlorotoluene	--	NA		NA		NA		NA		570	U	110	U	5.2	U	100	U	8.3	U	5.2	U	NA		NA		NA		NA		NA		NA		NA	
2-Hexanone (MBK)	--	33	J	0.67	J	1.2	UJ	1.5	J	1,100	U	210	U	10	U	200	U	16	U	10	U	160	J	58	J	77	J	34	J	30	J	61		62	J
4-Ethyltoluene	--	67	J	1.4	J	190	J	1.9	J	540	U	100	U	4.9	U	98	U	7.9	U	4.9	U	3.3	J	45	J	5.1	J	5.2	J	5.5	J	3.6	J	5.5	J
4-Methyl-2-pentanone (MIBK)	--	8.0	J	1.2	UJ	45	J	1.1	J	1,100	U	210	U	10	U	200	U	16	U	10	U	4.0	J	1.5	J	3.3	J	0.87	J	1.2	J	1.1	J	1.2	UJ
Acetone	--	200	J	110	J	340	J	610		6,400	U	1,200	U	59	U	1,200	U	95	U	59	U	1,600	J	1,100	J	1,300	J	580	J	340	J	470	J	1200	J
Allyl Chloride	--	0.48	UJ	0.48	UJ	0.48	UJ	0.48	UJ	850	U	160	U	7.8	U	160	U	13	U	7.8	U	0.48	UJ	0.48	UJ	0.48	UJ	0.48	U	0.48	U	0.48	U	0.48	UJ
Benzene	--	7.5	J	3.6	J	16	J	1.3	J	350	U	67	U	3.2	U	64	U	3.8	J	5.1	UJ	1.8	J	76	J	150	J	2.1	J	1.8	J	4.6		3.4	J
Benzyl chloride	--	0.88	UJ	0.88	UJ	0.88	UJ	0.88	U	NA		NA		NA		NA		NA		NA		0.88	UJ	0.88	UJ	0.88	UJ	0.88	UJ	0.88	UJ	0.88	UJ	0.88	UJ
Bromodichloromethane	--	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	740	U	140	U	6.7	U	130	U	11	U	6.7	U	1.0	UJ	1.0	UJ	1.0	UJ	1.0	U	1.0	U	1.0	U	1.0	UJ
Bromoform	--	1.6	UJ	1.6	UJ	1.6	UJ	1.6	U	1,100	U	220	U	10	U	210	U	17	U	10	U	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
Bromomethane	--	0.59	UJ	0.59	UJ	0.59	UJ	0.59	U	430	U	82	U	3.9	U	78	U	6.2	U	3.9	U	0.59	UJ	0.59	UJ	0.59	U	0.59	U	0.59	U	0.59	U	0.59	UJ
Carbon Disulfide	--	24	J	4.2	J	18	J	1.2	J	840	U	160	U	7.8	U	160	U	12	U	7.8	U	0.66	J	7.3	J	12	J	1.9	J	0.79	J	1.4	J	2.0	J
Carbon Tetrachloride	--	0.96	UJ	0.96	UJ	0.96	UJ	0.96	U	690	U	130	U	6.3	U	130	U	10	U	6.3	U	0.96	UJ	0.96	UJ	0.96	UJ	0.96	U	0.96	U	0.96	U	0.96	UJ
Chlorobenzene	--	5.1	J	0.70	UJ	0.70	UJ	0.89	J	510	U	97	U	4.6	U	92	U	7.4	U	4.6	U	0.98	J	0.61	J	0.70	UJ	0.70	UJ	0.70	UJ	0.70	UJ	0.70	UJ
Chloroethane	--	0.40	UJ	0.40	UJ	1.20	J	0.40	U	710	U	140	U	6.6	U	130	U	11	U	6.6	U	0.40	UJ	0.40	U	0.54	J	0.40	U	0.40	U	0.40	U	0.40	UJ
Chloroform	--	7.4	J	1.7	J	51	J	1.7	J	1,000		200		16		270		36		30		5.1	J	2.1	J	19	J	1.3	J	0.74	U	0.55	J	1.0	J
Chloromethane	--	0.31	UJ	0.31	UJ	0.86	J	0.31	U	560	U	110	U	5.2	U	100	U	8.3	U	5.2	U	1.1	J	0.57	J	0.69	J	0.29	J	0.27	J	0.38		0.69	J
cis-1,2-Dichloroethylene	--	0.48	J	0.60	UJ	7.90	J	0.60	U	440	U	83	U	4.0	U	79	U	6.3	U	4.0	U	0.60	UJ	0.60	U	0.60	U	0.60	U	0.60	U	0.60		0.60	UJ
cis-1,3-Dichloropropene	--	0.69	UJ	0.69	UJ	0.69	UJ	0.69	U	500	U	95	U	4.5	U	91	U	7.3	U	4.5	U	0.69	UJ	0.69	UJ	0.69	UJ	0.69	U	0.69	U	0.69	U	0.69	UJ
Cyclohexane	--	9.8	J	0.52	UJ	14	J	0.52	U	380	U	72	U	3.4	U	69	U	5.5	U	3.4	U	0.52	UJ	6.3	J	130	J	2.4	J	2.7	J	4.0		0.52	UJ
Dibromochloromethane	--	1.3	UJ	1.3	UJ	1.3	UJ	1.3	U	940	U	180	U	8.5	U	170	U	14	U	8.5	U	1.3	UJ	1.3	UJ	1.3	UJ	1.3	UJ	1.3	UJ	1.3	UJ	1.3	UJ
Dichlorodifluoromethane (Freon 12)	--	410	J	30	J	24	J	6,000		100,000		260	U	12	U	250	U	120		100		42	J	3.5	J	110	J	420	J	8.6	J	2.6		44	J
Ethanol	--	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Ethyl Acetate	--	0.92	UJ	0.92	UJ	0.92	UJ	0.92	U	NA		NA		NA		NA		NA		NA		540	J	2.5	J	600	J	120	J	6.7	J	2.6		42	J
Ethylbenzene	--	8.7	J	6.8	J	35	J	0.75	J	480	U	91	U	4.3	U	87	U	6.9	U	4.3	U	44	J	1,200	J	2,200	J	980	J	16	J	20		32	J
Heptane	--	0.62	UJ	2.2	J	84	J	1.6		NA		NA		NA		82	U	6.6	U	4.1	U	0.62	UJ	0.62	UJ	0.62	UJ	0.62	U	0.62	U	0.62	U	0.62	UJ
Hexachlorobutadiene	--	1.6	UJ	1.6	UJ	1.6	UJ	1.6	U	1,200	U	220	U	11	U	210	U	17	U	11	U	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ	1.6	UJ
Hexane	--	0.54	UJ	0.54	UJ	0.54	UJ	0.54	U	950	U	180	U	8.8	U	180	U	14	U	8.8	U	0.54	UJ	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	UJ
Isopropanol	--	190	J	47	J	130	J	84		6,600	U	1,300	U	61	U	1,200	U	98	U	61	U	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ
m&p-Xylene	--	20	J	9.3	J	75	J	1.3	J	1,200	U	230	U	11	U	220	U	17	U	11	U	100	J	2,100	J	3,800	J	1,800	J	52	J	54		83	
Methyl tert-butyl ether (MTBE)	--	0.55	UJ	0.55	UJ	0.55	UJ	0.55	U	970	U	190	U	9.0	U	180	U	14	U	9.0	U	0.55	UJ	0.55	U	2.4	J	0.55	U	0.55	U	0.55	U	0.55	UJ
Methylene chloride	60	**180**		31	J	**65**	J	**99**		940	U	**180**		8.7	U	**590**		13	J	14	UJ	0.42	J	0.71	J	1	J	0.42	J	0.56	J	0.85		0.35	J
o-Xylene	--	26	J	4.2	J	56	J	0.88	J	480	U	91	U	4.3	U	87	U	6.9	U	4.3	U	32	J	350	J	610	J	280	J	23	J	23		35	J
Propene	--	0.26	UJ	0.26	UJ	0.26	UJ	0.26	U	NA		NA		NA		NA		NA		NA		0.26	UJ	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	UJ
Styrene	--	5.7	J	0.74	J	0.65	UJ	0.82	J	470	U	89	U	4.3	U	85	U	6.8	U	4.3	U	0.65	UJ	3.7	J	6.7	J	7.1	J	7.2	J	5.6	J	7.8	J
Tertiary butyl alcohol	--	NA		NA		NA		NA		8,200	U	1,600	U	76	U	1,500	U	120	U	76	U	NA		NA		NA		NA		NA		NA		NA	
Tetrachloroethylene (PCE)	100	10	J	**1,300**	J	87	J	5.2	J	750	U	**1,300**		31		**11,000**		**180**		**150**		61	J	**440**	J	1.8	J	1.5	J	1.3	J	1.5	J	2.5	J
Tetrahydrofuran	--	2.2	J	0.45	UJ	0.72	J	0.45	U	8,000	U	1,500	U	74	U	1,500	U	120	U	74	U	0.45	UJ	0.45	UJ	0.45	U	0.45	U	0.45	U	0.45	U	0.45	UJ
Toluene	--	11	J	6.9	J	32	J	7.2	J	640		140		3.8	U	110		6.0	U	3.8	U	57	J	1,700	J	3,400	J	1,600	J	17	J	20		45	J
trans-1,2-Dichloroethylene	--	0.60	UJ	0.60	UJ	1.90	J	0.60	U	440	U	83	U	4.0	U	79	U	6.3	U	4.0	U	0.60	UJ	0.60	U	0.60	U	0.60	U	0.60	U	0.60	U	0.60	UJ
trans-1,3-Dichloropropene	--	0.69	UJ	0.69	UJ	0.69	UJ	0.69	U	500	U	95	U	4.5	U	91	U	7.3	U	4.5	U	0.69	UJ	0.69	UJ	0.69	UJ	0.69	U	0.69	U	0.69	U	0.69	UJ
Trichloroethylene (TCE)	5	**43,000**	J	**980**	J	**14,000**	J	**7,100**		590	U	**20,000**		**100**		**5,900**		**810**		**700**		**63**	J	**390**	J	**120**	J	**8.4**	J	**15**	J	**80**		**7.6**	J
Trichlorofluoromethane (Freon 11)	--	5.5	J	6.3	J	7.4	J	2.5	J	620	U	120	U	5.6	U	110	U	9.6		8.4		4.0	J	4.3	J	3.4	J	87	J	1.5	J	1.5		3.7	J
Vinyl Acetate	--	0.54	UJ	0.54	UJ	0.54	UJ	0.54	U	NA		NA		NA		NA		NA		NA		0.54	UJ	0.54	U	0.54	U	0.54	U	0.54	U	0.54	U	0.54	UJ
Vinyl Bromide	--	0.67	UJ	0.67	UJ	0.67	UJ	0.67	U	480	U	92	U	4.4	U	87	U	7.0	U	4.4	U	0.67	UJ	0.67	UJ	0.67	U	0.67	U	0.67	U	0.67	U	0.67	UJ
Vinyl Chloride	--	0.39	UJ	0.39	UJ	0.39	UJ	1.7	J	280	U	54	U	2.6	U	51	U	4.1	U	2.6	U	0.39	UJ	0.39	UJ	0.39	U	0.39	U	0.39	U	0.39	U	0.39	UJ
Xylenes (total)	--	NA		NA		NA		NA		480	U	91	U	4.3	U	87	U	6.9	U	4.3	U	NA		NA		NA		NA		NA		NA		NA		NA	

Notes:

$\mu g/m^3$ = micrograms per cubic meter

Items shaded and in bold font equal or exceed NYSDOH AGVs.

J - Estimated Value

U -The compound was not detected at the indicated concentration.

NA - Not analyzed

-- = Not Available

NYSDOH AGV- New York State Department of Health Air Guideline Values

(1) - As per Appendix C of the Final NYSDOH Guidance document.

TABLE 21
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF AIR SAMPLES

Sample ID		SV-13		SV-14		SS-04		IA-01		IA-02		OA-1		KETTELL-21-SS		KETTELL-21-IA		KETTELL-21-IA		KETTELL-21-0A		KETTELL-21-SS		KETTELL-35-SS		KETTELL-35-IA		KETTELL-35-OA		KETTELL-43-SS		KETTELL-43-IA		KETTELL-45-SS		KETTELL-45-IA		KETTELL-45-SS		KETTELL-45-IA	
Lab ID		C0707006-008		C0707006-007		C0709006-001		C0709007-003		C0709007-004		C0709007-005		C0803027-001		C0803027-002		JA34267-2		JA34267-3		JA34267-3		C0803027-013		C0803027-012		C0803027-0014		C0803027-004		C0803027-003		C0803027-009		C0803027-008		JA42434-2		JA42434-1	
Date Sampled		07-10-2007		07-10-2007		09-6-2007		09-6-2007		09-6-2007		09-6-2007		03-17-2008		03-17-2008		12-1-2009		12-1-2009		12-1-2009		03-14-2008		03-14-2008		03-14-2008		03-15-2008		03-15-2008		03-14-2008		03-14-2008		03-18-2010		03-18-2010	
Matrix		Off-Site Soil Vapor		Off-Site Soil Vapor		Off-Site Sub Slab		Indoor Air		Indoor Air		Outdoor Air		Off-Site Sub Slab		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Off-Site Sub Slab		Indoor Air		Outdoor Air		Off-Site Sub Slab		Indoor Air		Off-Site Sub Slab		Indoor Air		Off-Site Sub Slab		Indoor Air	
Land Use		Industrial		Industrial		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential	
Volatile Organic Compound	NYSDOH AGV[1]	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane	--	1.9	J	2.9	J	0.67	J	0.832	U	0.832	U	0.832	U	0.83	U	0.832	U	0.22	U	0.22	U	0.22	U	0.55	J	0.832	U	0.832	U	0.94		0.832	U	0.78	J	1.05	J	1.3		0.22	U
1,1,2,2-Tetrachloroethane	--	1.0	UJ	1.0	UJ	1.0	U	1.05	U	1.05	U	1.05	U	1.0	U	1.05	U	0.27	U	0.27	U	0.27	U	1.0	U	1.05	U	1.05	U	1.0	U	1.05	U	1.0	U	1.05	U	0.27	U	0.27	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	1.2	UJ	1.2	UJ	1.2	U	1.17	U	1.17	U	1.17	U	0.75	J	1.17	U	2		2.1		0.31	U	1.2	U	1.17	U	1.17	U	1.2	U	1.17	U	1.2	U	1.17	U	0.31	U	0.31	U
1,1,2-Trichloroethane	--	0.83	UJ	0.83	UJ	0.83	UJ	0.832	UJ	0.832	UJ	0.832	UJ	0.83	U	0.832	UJ	0.22	U	0.22	U	0.22	U	0.83	U	0.832	U	0.832	U	0.83	U	0.832	U	0.83	U	0.832	U	0.22	U	0.22	U
1,1-Dichloroethane	--	0.62	UJ	0.62	UJ	0.62	U	0.617	U	0.617	U	0.617	U	0.62	U	0.617	U	0.81	U	0.81	U	0.81	U	0.62	U	0.617	U	0.617	U	0.62	U	0.617	U	0.62	U	0.617	U	0.81	U	0.81	U
1,1-Dichloroethylene	--	0.60	UJ	0.60	UJ	0.60	U	0.605	U	0.605	U	0.605	U	0.60	U	0.605	U	0.79	U	0.79	U	0.79	U	0.60	U	0.605	U	0.605	U	0.60	U	0.605	U	0.60	U	0.605	U	0.79	U	0.79	U
1,2,4-Trichlorobenzene	--	1.1	UJ	1.1	UJ	1.1	U	1.13	U	1.13	U	1.13	U	1.1	U	1.13	U	0.74	U	0.74	U	0.74	U	1.1	U	1.13	U	1.13	U	1.1	U	1.13	U	1.1	U	1.13	U	0.74	U	0.74	U
1,2,4-Trimethylbenzene	--	28	J	29	J	1.0	J	1.95	J	1.2	J	4.25	J	0.75	U	0.55	J	0.98	U	0.59	J	0.98	U	0.70	J	1.55		0.75	U	0.75	U	1.4		0.75	U	0.50	J	0.59	J	0.69	J
1,2-Dibromoethane (EDB)	--	1.2	UJ	1.2	UJ	1.2	U	1.17	U	1.17	U	1.17	U	1.2	U	1.17	U	0.31	U	0.31	U	0.31	U	1.2	U	1.17	U	1.17	U	1.2	U	1.17	U	1.2	U	1.17	U	0.31	U	0.31	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	--	1.1	UJ	1.1	UJ	1.1	U	1.07	U	1.07	U	1.07	U	0.78	J	1.07	U	0.28	U	0.28	U	0.28	U	1.2	U	1.07	U	1.07	U	1.2	U	1.07	U	1.2	U	1.07	U	0.28	U	0.28	U
1,2-Dichlorobenzene	--	0.92	UJ	0.92	UJ	0.92	U	0.917	U	0.917	U	0.917	U	0.92	U	0.917	U	0.24	U	0.24	U	0.24	U	0.92	U	0.917	U	0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.24	U	0.24	U
1,2-Dichloroethane	--	0.62	UJ	0.62	UJ	0.62	U	0.617	U	0.617	U	0.617	U	0.86		0.617	U	0.81	U	0.81	U	0.81	U	3.3		0.617	U	0.617	U	0.62	U	0.617	U	0.62	U	0.617	U	0.81	U	0.81	U
1,2-Dichloroethene	--	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2-Dichloropropane	--	0.70	UJ	0.70	UJ	0.70	UJ	0.705	UJ	0.705	U	0.705	UJ	0.70	U	0.705	U	0.92	U	0.92	U	0.92	U	0.70	U	0.705	U	0.705	U	0.70	U	0.705	U	0.70	U	0.705	U	0.92	U	0.92	U
1,3,5-Trimethylbenzene	--	8.5	J	9.3	J	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.98	U	0.98	U	0.98	U	0.55	J	0.60	J	0.75	U	0.75	U	0.70	J	0.75	U	0.75	U	0.98	U	0.98	U
1,3-Butadiene	--	0.34	UJ	0.34	UJ	0.34	U	0.337	U	0.337	U	0.337	U	0.34	U	0.337	U	0.44	U	0.44	U	0.44	U	0.34	U	0.337	U	0.337	U	0.34	U	0.337	U	0.34	U	0.337	U	0.44	U	0.44	U
1,3-Dichlorobenzene	--	13	J	0.92	UJ	0.92	U	0.917	U	0.917	U	0.917	U	0.92	U	0.917	U	0.60	U	0.60	U	0.60	U	0.92	U	0.917	U	0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.60	U	0.60	U
1,4-Dichlorobenzene	--	1.4	J	1.2	J	8.3	J	298		1,840		5.01	J	0.92	U	0.917	U	0.60	U	0.60	U	0.60	U	0.92	U	2.14		0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.60	U	0.60	U
1,4-Dioxane	--	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	UJ	1.1	U	1.1	UJ	0.72	U	0.72	U	0.72	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	0.72	U	0.72	U
2,2,4-Trimethylpentane	--	0.71	UJ	0.71	UJ	0.71	U	0.712		0.712	U	0.712	U	0.62	J	0.475	J	0.93	U	0.93	U	0.93	U	0.71	U	1.19		39.4		0.71	U	1.71		0.71	U	1.28		0.93	U	0.61	J
2-Butanone (MEK)	--	130	J	140	J	0.99		1.83		0.719	J	0.899	U	1.1		0.899	U	0.59	U	0.59	U	1.4		1.0		1.95		0.899	U	2.4		9.59		1.9		1.02		1.7		3.8	
2-Chlorotoluene	--	NA		NA		NA		NA		NA		NA		NA		NA		1.0	U	1.0	U	1.0	U	NA		NA		NA		NA		NA		NA		NA		1.0	U	1.0	U
2-Hexanone (MBK)	--	30	J	47	J	1.2	U	1.25	U	1.25	U	1.25	U	1.2	U	1.25	U	0.82	U	0.82	U	0.82	U	1.2	U	1.25	U	1.25	U	1.2	U	1.25	U	1.2	U	1.25	U	0.82	U	0.82	U
4-Ethyltoluene	--	5.5	J	4.6	J	0.75	U	0.75	U	0.75	U	0.55	J	0.75	U	0.75	U	0.98	U	0.98	U	0.98	U	0.75	U	0.75	U	0.75	U	0.75	U	0.85		0.75	U	0.75	U	0.98	U	0.98	U
4-Methyl-2-pentanone (MIBK)	--	1.6	J	1.0	J	1.2	U	1.25	U	1.25	U	1.25	U	1.2	U	1.25	U	0.82	U	0.82	U	0.82	U	1.2	U	1.25	U	1.25	U	1.2	U	1.25	U	1.2	U	1.25	U	0.82	U	0.82	U
Acetone	--	350	J	440	J	8.7		31.6		19.1		22.2		21		7.48		5.7		3.6		20		18		20.8		17.9		15		103		21		8.31		14		25.4	
Allyl Chloride	--	0.48	UJ	0.48	UJ	0.48	UJ	0.477	UJ	0.477	UJ	0.477	UJ	0.48	U	0.477	UJ	0.63	U	0.63	U	0.63	U	0.48	U	0.477	U	0.477	U	0.48	U	0.477	U	0.48	U	0.477	U	0.63	U	0.63	U
Benzene	--	3.2	J	1.7	J	0.49	UJ	1.27	J	0.552	J	0.779	J	0.62		0.487		0.7		0.67		0.64	U	0.62		1.36		0.877		0.58		1.17		0.52		1.49		0.77		1.6	
Benzyl chloride	--	0.88	UJ	0.88	UJ	0.88	U	0.877	U	0.877	U	0.877	U	0.88	U	0.877	U	1.0	U	1.0	U	1.0	U	0.88	U	0.877	U	0.877	U	0.88	U	0.877	U	0.88	U	0.877	U	1.0	U	1.0	U
Bromodichloromethane	--	1.0	UJ	1.0	UJ	0.68	J	1.02	U	1.02	U	1.02	U	1.0	U	1.02	U	0.27	U	0.27	U	0.27	U	1.0	U	1.02	U	1.02	U	1.0	U	1.02	U	1.0	U	1.02	U	0.27	U	0.27	U
Bromoform	--	1.6	UJ	1.6	UJ	1.6	U	1.58	U	1.58	U	1.58	U	1.6	UJ	1.58	U	0.41	U	0.41	U	0.41	U	1.6	UJ	1.58	U	1.58	U	1.6	UJ	1.58	U	1.6	UJ	1.58	U	0.41	U	0.41	U
Bromomethane	--	0.59	UJ	0.59	UJ	0.59	U	0.592	U	0.592	U	0.592	U	0.59	U	0.592	U	0.78	U	0.78	U	0.78	U	0.59	U	0.592	U	0.592	U	0.59	U	0.592	U	0.59	U	0.592	U	0.78	U	0.78	U
Carbon Disulfide	--	1.6	J	1.2	J	0.51	J	0.38	J	0.475	U	0.475	U	1.1		0.475	U	0.62	U	0.62	U	1.2		1.1		0.475	U	0.475	U	0.54		0.475	U	5.2		0.475	U	3.4		0.62	U
Carbon Tetrachloride	--	0.96	UJ	0.96	UJ	0.96	U	0.384		0.384		0.32		0.96	U	0.576		0.25	U	0.25	U	0.25	U	0.96	U	0.512		0.256	U	0.96	U	0.576		0.96	U	0.576		0.94		0.25	U
Chlorobenzene	--	0.70	UJ	0.70	UJ	0.70	U	0.702	U	0.702	U	0.702	U	0.70	U	0.702	U	0.92	U	0.92	U	0.92	U	0.70	U	0.702	U	0.702	U	0.70	U	0.702	U	0.70	U	0.702	U	0.92	U	0.92	U
Chloroethane	--	0.40	UJ	0.40	UJ	0.40	U	0.402	U	0.402	U	0.402	U	0.40	U	0.402	U	0.53	U	0.53	U	0.53	U	0.40	U	0.402	U	0.402	U	0.40	U	0.402	U	0.40	U	0.402	U	0.53	U	0.53	U
Chloroform	--	0.99	J	0.50	J	13		1.44		0.943		0.744	U	0.99		0.744		0.98	U	0.98	U	0.98	U	0.60	J	4.07		0.744	U	0.74	U	0.744	U	0.65	J	0.744	U	0.98	U	0.98	U
Chloromethane	--	0.63	J	0.46	J	0.31	U	0.798		0.945		0.672		0.92		0.525		1.1		1.1		0.41	U	0.52		1.05		0.504		0.27	J	0.63		0.36		0.651		0.41	U	1.2	
cis-1,2-Dichloroethylene	--	0.60	UJ	0.89	J	0.60	U	0.604	U	0.604	U	0.604	U	0.60	U	0.604	U	0.79	U	0.79	U	0.79	U	0.60	U	0.604	U	0.604	U	0.56	J	0.604	U	0.60	U	0.604	U	0.79	U	0.79	U
cis-1,3-Dichloropropene	--	0.69	UJ	0.69	UJ	0.69	U	0.692	U	0.692	U	0.692	U	0.69	U	0.692	U	0.91	U	0.91	U	0.91	U	0.69	U	0.692	U	0.692	U	0.69	U	0.692	U	0.69	U	0.692	U	0.91	U	0.91	U
Cyclohexane	--	2.1	J	2.1	J	0.52	U	0.525	U	0.525	U	0.525	U	0.45	J	1.3		0.69	U	0.69	U	0.69	U	0.42	J	1.12		6.61		1.1		2.03		1.5		2.4		0.69	U	1.0	U
Dibromochloromethane	--	1.3	UJ	1.3	UJ	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	0.34	U	0.34	U	0.34	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	0.34	U	0.34	U
Dichlorodifluoromethane (Freon 12)	--	2.1	J	2.0	J	4.8		2.36		2.36		2.01		4.0		2.5		2.5		2.5		5.9		2.6		2.97		2.3		3.3	J	2.41		2.4		2.6		158.0		3.1	
Ethanol	--	NA		NA		NA		NA		NA		NA		NA		NA		6.2		6.8		4.9		NA		NA		NA		NA		NA		NA		NA		60.7		36.6	
Ethyl Acetate	--	4.8	J	25	J	0.92	U	0.916		0.916	U	0.659	J	7.5		1.83		0.97		0.72	U	2.7		4.1		7.33		5.09		0.92	U	3.85		5.2		3.99		0.72	U	0.72	U
Ethylbenzene	--	60	J	38	J	0.49	J	1.99		0.574	J	0.927		0.66	U	0.662	U	0.87	U	0.87	U	0.87	U	0.44		6.49		0.662	U	0.66	U	31.6		0.66	U	0.53	J	0.87	U	0.43	J
Heptane	--	0.62	UJ	0.62	UJ	0.62	U	0.625	U	0.625	U	0.625		0.50	J	0.625	U	0.82	U	0.82	U	0.82	U	1.5		1.42		8.5		0.62	U	1.29		0.71		1.04		0.82	U	1.2	
Hexachlorobutadiene	--	1.6	UJ	1.6	UJ	1.6	U	1.63	U	1.63	U	1.63	U	1.6	U	1.63	U	0.96	U	0.96	U	0.96	U	1.6	U	1.63	U	1.63	U	1.6	U	1.63	U	1.6	U	1.63	U	0.96	U	0.96	U
Hexane	--	0.54	UJ	0.54	UJ	0.54	U	1.25		0.537	U	2.08		0.79		0.609		0.49	J	0.53	J	0.85		1.3		3.4		34.7		0.54	U	10		1.4		2.69		0.56	J	2.7	
Isopropanol	--	0.37	UJ	0.37	UJ	0.37	U	8.49	J	0.375	U	10.7	J	0.37	U	0.375	U	1.2		1.1		1.4		0.37	U	20.7		0.375	U	0.37	U	0.375	U	10		0.375	U	3.4		0.49	U
m&p-Xylene	--	130	J	100	J	0.97	J	1.81		1.15	J	2.16		0.53	J	0.485	J	0.87	U	0.91		0.87	U	0.93	J	13.2		0.883	J	0.75	J	94.5		0.53	J	1.37		0.78	J	1.4	
Methyl tert-butyl ether (MTBE)	--	0.55	UJ	0.55	UJ	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.72	U	0.72	U	0.72	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.72	U	0.72	U
Methylene chloride	60	0.64	J	0.53	UJ	0.53	U	0.989	J	0.53	U	0.494	J	2.8		0.424	J	0.69	U	0.59	J	0.69	U	25		22.6		0.494	J	1.4		0.388	J	1.2		0.742		0.45	J	1.8	
o-Xylene	--	41	J	39	J	0.44	J	0.927	J	0.574	J	1.24	J	0.66	U	0.662	U	0.87	U	0.87	U	0.87	U	0.66	U	5.83		0.662	U	0.66	U	16.6		0.66	U	0.485	J	0.87	U	0.48	J
Propene	--	0.26	UJ	0.26	UJ	0.26	U	0.262	U	0.262	U	0.262	U	0.26	U	0.262	U	1.3		1.2		0.38	J	0.26	U	0.262	U	0.262	U	0.26	U	0.262	U	0.26	U	0.262	U	0.86	U	0.86	U
Styrene	--	6.7	J	6.3	J	0.65		1.13		0.606	J	1.73		0.65	U	0.649	U	0.85	U	0.85	U	0.85	U	0.65	U	0.649	U	0.649	U	0.65	U	1.56		0.65	U	0.649	U	0.85	U	0.85	U
Tertiary butyl alcohol	--	NA		NA		NA		NA		NA		NA		NA		NA		0.61	U	0.61	U	0.61	U	NA		NA		NA		NA		NA		NA		NA		0.70		0.61	U
Tetrachloroethylene (PCE)	100	1.4	J	56	J	6.9		1.03		1.03	U	1.03	U	1.0		1.03	U	0.27	U	0.26	J	0.95		0.97	J	1.03	U	1.03	U	3.0		1.03	U	1.0	U	1.1		0.81		0.75	
Tetrahydrofuran	--	1.5	J	0.45	UJ	0.45	U	0.45	U	0.45	U	0.45	U	0.45	U	0.45	U	0.59	U	0.59	U	0.59	U	0.45	U	0.45	U	0.45	U	1.0		14.4		0.45	U	0.45	U	0.59	U	0.59	U
Toluene	--	95	J	45	J	2.6		6.89		3.52		6.09		1.5		2.11		1.4		1.7		0.68	J	2.2		8.81		3.68		2.3		15.7		2.9		4.02		3.2		4.9	
trans-1,2-Dichloroethylene	--	0.60	UJ	0.60	UJ	0.60	U	0.604	U	0.604	U	0.604	U	0.60	U	0.604	U	0.79	U	0.79	U	0.79	U	0.60	U	0.604	U	0.604	U	0.60	U	0.604	U	0.60	U	0.604	U	0.79	U	0.79	U
trans-1,3-Dichloropropene	--	0.69	UJ	0.69	UJ	0.69	U	0.692	U	0.692	U	0.692	U	0.69	U	0.692	U	0.91	U	0.91	U	0.91	U	0.69	U	0.692	U	0.692	U	0.69	U	0.692	U	0.69	U	0.692	U	0.91	U	0.91	U
Trichloroethylene (TCE)	5	**70**	J	**7.1**	J	1.5	J	**21.3**	J	**17.5**	J	**21.3**		**8.1**		**17.8**		0.21	U	0.21	U	0.21	U	2.2		**12.6**		0.218	U	2.0		0.874		**9.2**		0.655		3.3		0.21	U
Trichlorofluoromethane (Freon 11)	--	1.5	J	1.5	J	2.7		1.54		1.54		1.48		1.7		1.14		1.3		1.3		1.7		1.6		1.43		1.14		1.8		1.2		1.2		1.31		1.6		2.7	
Vinyl Acetate	--	0.54	UJ	0.54	UJ	0.54	U	0.537	U	0.537	U	0.537	U	0.54	U	0.537	U	0.70	U	0.70	U	0.70	U	0.54	U	0.537	U	0.537	U	0.54	U	0.537	U	0.54	U	0.537	U	0.70	U	0.70	U
Vinyl Bromide	--	0.67	UJ	0.67	UJ	0.67	U	0.667	U	0.667	U	0.667	U	0.67	U	0.667	U	0.87	U	0.87	U	0.87	U	0.67	U	0.667	U	0.667	U	0.67	U	0.667	U	0.67	U	0.667	U	0.87	U	0.87	U
Vinyl Chloride	--	0.39	UJ	0.39	UJ	0.39	U	0.39	U	0.39	U	0.104	U	0.39	U	0.104	U	0.51	U	0.51	U	0.51	U	0.39	U	0.104	U	0.104	U	0.39	U	0.104	U	0.39	U	0.104	U	0.51	U	0.51	U
Xylenes (total)	--	NA		NA		NA		NA		NA		NA		NA		NA		0.87	U	0.91		0.87	U	NA		NA		NA		NA		NA		NA		NA		0.78	J	1.9	

Notes:

$\mu g/m^3$ = micrograms per cubic meter

Items shaded and in bold font equal or exceed NYSDOH AGVs.

J - Estimated Value

U -The compound was not detected at the indicated concentration.

NA - Not analyzed

-- = Not Available

NYSDOH AGV- New York State Department of Health Air Guideline Values

(1) - As per Appendix C of the Final NYSDOH Guidance document.

TABLE 21
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF AIR SAMPLES

Sample ID		KETTELL-45-OA		WHITTIER-11-IA		WHITTIER-11-SS		WHITTIER-11-OA		WHITTIER-32-SS		WHITTIER-32-IA		WHITTIER-33-SS		WHITTIER-33-IA		WHITTIER-33-OA		WHITTIER-33-SS		WHITTIER-33-IA		WHITTIER-33-OA		STEW-IA-01		STEW-IA-01-091610		STEW-IA-02		STEW-IA-02-091610		STEW-IA-03		STEW-IA-03-091610		STEW-IA-04	
Lab ID		JA42434-3		C0803027-005		C0803027-006		C0803027-007		C0803027-011		C0803027-010		C0803027-016		C0803027-015		C0803027-017		JA42434-2		JA42434-1		JA42434-3		JA34267-4		10I0605-01		JA34267-5		10I0605-02		JA34267-6		10I0605-03		JA34267-7	
Date Sampled		03-18-2010		03-15-2008		03-17-2008		03-15-2008		03-14-2008		03-14-2008		03-17-2008		03-17-2008		03-17-2008		03-24-2010		03-24-2010		03-24-2010		12-1-2009		09-16-2010		12-1-2009		09-16-2010		12-1-2009		09-16-2010		12-1-2009	
Matrix		Outdoor Air		Indoor Air		Outdoor Air		Outdoor Air		Off-Site Sub Slab		Indoor Air		Off-Site Sub Slab		Indoor Air		Outdoor Air		Off-Site Sub Slab		Indoor Air		Outdoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air	
Land Use		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential	
Volatile Organic Compound	NYSDOH AGV[1]	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane	--	0.22	U	0.832	U	1.6		0.832	U	0.83	U	0.832	U	0.61	J	0.832		0.832	U	1.4		3.0		0.22	U	0.22	U	0.27		0.65		0.32		0.22	U	<0.27	U	0.22	U
1,1,2,2-Tetrachloroethane	--	0.27	U	1.05	U	1.0	U	1.05	U	1.0	U	1.05	U	1.0	U	1.05	U	1.05	U	0.27	U	0.27	U	0.27	U	0.27	U	0.34	U	0.27	U	0.34	U	0.27	U	<0.34	U	0.27	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	0.31	U	1.17	U	1.2	U	1.17	U	1.2	U	1.17	U	1.2	U	1.17	U	1.17	U	0.31	U	0.31	U	0.31	U	2.5		0.5		2.4		0.62		2.7		0.64		2.4	
1,1,2-Trichloroethane	--	0.22	U	0.832	U	0.83	U	0.832	U	0.83	UJ	0.832	U	0.83	UJ	0.832	U	0.832	U	0.22	U	0.22	U	0.22	U	0.22	U	0.27	U	0.22	U	0.27	U	0.22	U	<0.27	U	0.22	U
1,1-Dichloroethane	--	0.81	U	0.617	U	0.62	U	0.617	U	0.62	U	0.617	U	0.62	U	0.617	U	0.617	U	0.81	U	0.81	U	0.81	U	0.81	U	0.2	U	0.81	U	0.2	U	0.81	U	<0.20	U	0.81	U
1,1-Dichloroethylene	--	0.79	U	0.605	U	0.60	U	0.605	U	0.60	U	0.605	U	0.60	U	0.605	U	0.605	U	0.79	U	0.79	U	0.79	U	0.79	U	0.2	U	0.79	U	0.2	U	0.79	U	<0.20	U	0.79	U
1,2,4-Trichlorobenzene	--	0.74	U	1.13	U	1.1	U	1.13	U	1.1	U	1.13	U	1.1	U	1.13	U	1.13	U	0.74	U	0.74	U	0.74	U	0.74	U	0.37	U	0.74	U	0.37	U	0.74	U	<0.37	U	0.74	U
1,2,4-Trimethylbenzene	--	0.98	U	0.799		0.75	U	2.25		0.65	J	0.846		1.1		0.50	J	0.749	U	0.74	J	0.69	J	0.98	U	2.3		1.3		2.7		1.4		1.6		1.2		1.2	
1,2-Dibromoethane (EDB)	--	0.31	U	1.17	U	1.2	U	1.17	U	1.2	U	1.17	U	1.2	U	1.17	U	1.17	U	0.31	U	0.31	U	0.31	U	0.31	U	0.38	U	0.31	U	0.38	U	0.31	U	<0.38	U	0.31	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	--	0.28	U	1.07	U	1.1	U	1.07	U	1.1	U	1.07	U	1.1	U	1.07	U	1.07	U	0.28	U	0.28	U	0.28	U	0.28	U	0.35	U	0.28	U	0.35	U	0.28	U	<0.35	U	0.28	U
1,2-Dichlorobenzene	--	0.24	U	0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.917	U	0.24	U	0.24	U	0.24	U	0.24	U	0.3	U	0.24	U	0.3	U	0.24	U	<0.30	U	0.24	U
1,2-Dichloroethane	--	0.81	U	0.617	U	0.62	U	4.36		0.62	U	0.617	U	0.62	U	0.617	U	0.617	U	0.81	U	0.81	U	0.81	U	0.81	U	0.2	U	0.81	U	0.2	U	0.81	U	<0.20	U	0.81	U
1,2-Dichloroethene	--	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2-Dichloropropane	--	0.92	U	0.705	U	0.70	U	0.705	U	0.70	U	0.705	U	0.70	U	0.705	U	0.705	U	0.31	U	0.92	U	0.31	U	0.92	U	0.23	U	0.92	U	0.23	U	0.92	U	<0.23	U	0.92	U
1,3,5-Trimethylbenzene	--	0.98	U	0.75	U	0.75	U	1.05		0.75	U	0.75	U	1.1	U	0.75	U	0.75	U	0.98	U	0.98	U	0.98	U	0.79	J	0.42		0.88	J	0.38		0.54	J	0.35		0.98	U
1,3-Butadiene	--	0.44	U	0.337	U	0.34	U	0.337	U	0.34	U	0.337	U	0.34	U	0.337	U	0.337	U	0.44	U	0.44	U	0.44	U	0.44	U	0.11	U	0.44	U	0.11	U	0.44	U	<0.11	U	0.44	U
1,3-Dichlorobenzene	--	0.60	U	0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.917	U	0.60	U	0.60	U	0.60	U	0.60	U	0.3	U	0.60	U	0.3	U	0.60	U	<0.30	U	0.60	U
1,4-Dichlorobenzene	--	0.60	U	0.917	U	0.92	U	0.917	U	0.92	U	0.917	U	0.92	U	0.856	J	0.917	U	1.2		8.4		0.60	U	0.60	U	0.3	U	0.60	U	0.34		0.60	U	<0.30	U	0.60	U
1,4-Dioxane	--	0.72	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	0.72	U	0.72	U	0.72	U	0.72	U	NA		0.72	U	NA		0.72	U	NA		0.72	U
2,2,4-Trimethylpentane	--	0.93	U	0.712	U	0.71	U	1.52		0.57	J	9.21		0.71	U	0.712	U	0.712	U	0.93	U	5.1		0.93	U	0.84	J	NA		0.65	J	NA		1.3		NA		0.47	J
2-Butanone (MEK)	--	0.59	U	3.81		0.99		42		11		45		4.3		0.899	U	0.899	U	1.5		3.8		0.56	J	0.86		5		0.97		4.4		0.94		2.6		1.1	
2-Chlorotoluene	--	1.0	U	NA		NA		NA		NA		NA		NA		NA		NA		1.0	U	1.0	U	1.0	U	1.0	U	NA		1.0	U	NA		1.0	U	NA		1.0	U
2-Hexanone (MBK)	--	0.82	U	1.25	U	1.2	U	1.25	U	1.2	U	1.25	U	1.2	U	1.25	U	1.25	U	0.49	J	0.82	U	0.82	U	0.82	U	0.79		0.82	U	0.58		0.82	U	0.37		0.82	U
4-Ethyltoluene	--	0.98	U	0.75	U	0.75	U	1.1		0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.98	U	0.98	U	0.98	U	0.49	J	0.31		0.64	J	0.28		0.98	U	0.31		0.98	U
4-Methyl-2-pentanone (MIBK)	--	0.82	U	1.25	U	1.2	U	1.25	U	1.2	U	1.25	U	1.2	U	1.25	U	1.25	U	0.82	U	0.82	U	0.82	U	0.82	U	0.45		0.82	U	0.39		0.82	U	<0.20	U	0.82	U
Acetone	--	10		9.05		13		21.4		60		295		39		12.9		13.5		19		31.8		5.5		7.6		40		8.3		36		9.3		<0.48	U	6.7	
Allyl Chloride	--	0.63	U	0.477	U	0.48	U	0.477	U	0.48	U	0.477	U	0.48	U	0.477	U	0.477	U	0.63	U	0.63	U	0.63	U	0.63	U	NA		0.63	U	NA		0.63	U	NA		0.63	U
Benzene	--	0.64	U	0.812		0.49	U	3.93		1.2		1.56		1.3		0.487		0.455	J	0.64		0.70		0.38	J	1.4		1.6		1.3		1.5		1.9		2.2		0.93	
Benzyl chloride	--	1.0	U	0.877	U	0.88	U	0.877	U	0.88	U	0.877	U	0.88	U	0.877	U	0.877	U	1.0	U	1.0	U	1.0	U	1.0	U	0.26	U	1.0	U	0.26	U	1.0	U	<0.26	U	1.0	U
Bromodichloromethane	--	0.27	U	1.02	U	1.0	U	1.02	U	1.0	U	1.02	U	1.0	U	1.02	U	1.02	U	0.27	U	0.27	U	0.27	U	0.27	U	0.34	U	0.27	U	0.34	U	0.27	U	<0.34	U	0.27	U
Bromoform	--	0.41	U	1.58	U	1.6	U	1.58	U	1.6	UJ	1.58	U	1.6	UJ	1.58	U	1.58	U	0.41	U	0.41	U	0.41	U	0.41	U	0.52	U	0.41	U	0.52	U	0.41	U	<0.52	U	0.41	U
Bromomethane	--	0.78	U	0.592	U	0.59	U	0.592	U	0.59	U	0.592	U	0.59	U	0.592	U	0.592	U	0.78	U	0.78	U	0.78	U	0.78	U	0.19	U	0.78	U	0.19	U	0.78	U	<0.19	U	0.78	U
Carbon Disulfide	--	0.62	U	0.475	U	0.79		1.27		0.98		0.317	J	12		0.475	U	0.475	U	1.6		0.62	U	0.62	U	0.62	U	0.16	U	0.62	U	0.16	U	0.62	U	<0.16	U	0.62	U
Carbon Tetrachloride	--	0.25	U	0.64		0.960	U	0.576		0.96	U	0.256	U	0.96	U	0.384		0.576		0.25	U	0.25	U	0.25	U	0.25	U	0.48		0.25	U	0.53		0.25	U	0.52		0.25	U
Chlorobenzene	--	0.92	U	0.702	U	0.70	U	0.702	U	0.70	U	0.702	U	0.70	U	0.702	U	0.702	U	0.92	U	0.92	U	0.92	U	0.92	U	0.23	U	0.92	U	0.23	U	0.92	U	<0.23	U	0.92	U
Chloroethane	--	0.53	U	0.402	U	0.40	U	0.402	U	0.40	U	0.402	U	0.40	U	0.402	U	0.402	U	0.53	U	0.53	U	0.53	U	0.53	U	0.13	U	0.53	U	0.13	U	0.53	U	<0.13	U	0.53	U
Chloroform	--	0.98	U	0.744	U	0.74	U	0.943		3.0		3.77		1.20		0.744	U	0.744	U	0.54	J	0.98	U	0.98	U	0.98	U	0.24	U	0.49	J	0.24	U	0.98	U	<0.24	U	0.98	U
Chloromethane	--	1.3		0.63		0.25	J	0.861		0.63		0.567		0.86		0.672		0.441		0.41	U	1.3		1.2		1.1		1.5		1.1		1.5		1.1		1.1		1.1	
cis-1,2-Dichloroethylene	--	0.79	U	0.604	U	0.60	U	0.484	J	0.60	U	0.604	U	0.56	J	0.604	U	0.604	U	0.79	U	0.79	U	0.79	U	0.79	U	0.2	U	0.79	U	0.2	U	0.79	U	<0.20	U	0.79	U
cis-1,3-Dichloropropene	--	0.91	U	0.692	U	0.69	U	0.692	U	0.69	U	0.692	U	0.69	U	0.692	U	0.692	U	0.91	U	0.91	U	0.91	U	0.91	U	0.23	U	0.91	U	0.23	U	0.91	U	<0.23	U	0.91	U
Cyclohexane	--	0.69	U	2.59		0.52	U	112		2.8		4.41		3.9		0.525	U	0.665		1.7		14		0.69	U	0.69	U	0.99		0.69	U	0.79		0.69	U	1.6		0.69	U
Dibromochloromethane	--	0.34	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	0.34	U	0.34	U	0.34	U	0.34	U	0.43	U	0.34	U	0.43	U	0.34	U	<0.43	U	0.34	U
Dichlorodifluoromethane (Freon 12)	--	2.7		2.66		3.2	J	2.92		2.1		2.21		2.5		2.21	J	2.21		2.8		2.4		2.6		6.4		3.7		11		6		3.4		2.2		2.5	
Ethanol	--	9.0		NA		NA		NA		NA		NA		NA		NA		NA		29.6		2,070	J	6.4		13		31		10		26		16		43		8.7	
Ethyl Acetate	--	0.72	U	3.7		6.4		305		6.6	J	13.4		4.4		1.17		1.1		19		0.72	U	0.72	U	1.3		0.18	U	2.0		0.18	U	0.72	U	<0.18	U	1.2	
Ethylbenzene	--	0.87	U	0.794		0.66	U	5.16		0.75		1.15		28		0.662	U	0.662	U	0.31	J	0.65	J	0.87	U	1.2		0.78		1.5		0.74		1.1		1.1		0.56	J
Heptane	--	0.82	U	1.21		1		10.6		3.3		5.83		1.3		0.625	U	0.625	U	1.1		13		0.82	U	1.5		1.1		1.8		1.1		1.5		1.6		0.57	J
Hexachlorobutadiene	--	0.96	U	1.63	U	1.6	U	1.63	U	1.6	U	1.63	U	1.6	U	1.63	U	1.63	U	0.96	U	0.96	U	0.96	U	0.96	U	0.53	U	0.96	U	0.53	U	0.96	U	<0.53	U	0.96	U
Hexane	--	0.70		1.04		1.2		8.06		9.3		22.7		2.2		0.752		0.573		1.3		53.6		0.74		1.6		6.1		1.4		4.8		2.5		9.2		0.67	J
Isopropanol	--	1.5		0.375	U	0.37	U	0.375	U	6,000		7,200		0.37	U	0.375	U	0.375	U	2.9		9.8		2.5		256	J	10		332	J	6.5		195	J	4.1		25.6	
m&p-Xylene	--	0.87	U	1.85		1.3	U	9.27		2.2		3.31		1.7		0.618	J	1.32	U	1.1		1.0		0.87	U	4.8		2.4		5.6		2.3		4.0		3.2		2.0	
Methyl tert-butyl ether (MTBE)	--	0.72	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U	0.72	U	0.72	U	0.72	U	0.72	U	0.18	U	0.72	U	0.18	U	0.72	U	<0.18	U	0.72	U
Methylene chloride	60	2.1		1.24		0.92		20.8		**89**		**137**		7.8		12.7		0.53	U	0.69	U	1.9		0.73		2.8		1.3		1.8		3.4		1.6		1.3		3.8	
o-Xylene	--	0.87	U	0.706		0.66	U	3.35		0.75		1.06		0.71		0.662	U	0.662	U	0.40	J	0.52	J	0.87	U	1.7		0.87		2.1		0.82		1.4		1.1		0.74	J
Propene	--	0.86	U	0.262	U	0.26	U	0.262	U	0.26	U	0.262	U	0.26	U	0.262	U	0.262	U	0.86	U	0.86	U	0.86	U	1.9		1.9		1.7		2.4		2.4		1.6		0.86	U
Styrene	--	0.85	U	0.649	U	0.65	U	1.99		0.65	U	0.476	J	1.3		0.649	U	0.649	U	0.85	U	0.85	U	0.85	U	0.85	U	0.21	U	0.85	U	0.21	U	0.85	U	<0.21	U	0.85	U
Tertiary butyl alcohol	--	0.61	U	NA		0.45	U	NA		NA		NA		NA		NA		NA		0.61	U	3.3	J	0.61	U	0.76		NA		0.85		NA		0.67		NA		0.61	U
Tetrachloroethylene (PCE)	100	0.27	U	1.1		1.2		2.48		4.0		8.55		0.69	J	0.896	J	1.03	U	0.54		0.27	U	0.27	U	0.68		1.3		0.64		1.8		0.68		1.2		1.3	
Tetrahydrofuran	--	0.59	U	0.45	U	0.45	U	2.52		0.45	U	0.45	U	0.45	U	0.45	U	0.45	U	0.59	U	2.3		0.59	U	0.59	U	2.4		0.59	U	1.6		0.59	U	0.52		0.59	U
Toluene	--	0.49	J	9.38		2.2		293		24		59		6.1		1.19		0.881		2.8		3.2		0.57	J	4.5		5.9		5.3		5.0		5.3		8.4		2.6	
trans-1,2-Dichloroethylene	--	0.79	U	0.604	U	0.6	U	9.07		0.60	U	0.604	U	0.60	U	0.604	U	0.604	U	0.79	U	0.79	U	0.79	U	0.79	U	0.2	U	0.79	U	0.2	U	0.79	U	<0.20	U	0.79	U
trans-1,3-Dichloropropene	--	0.91	U	0.692	U	0.69	U	0.692	U	0.69	U	0.692	U	0.69	U	0.692	U	0.692	U	0.91	U	0.91	U	0.91	U	0.91	U	0.23	U	0.91	U	0.23	U	0.91	U	<0.23	U	0.91	U
Trichloroethylene (TCE)	5	0.21	U	0.273		0.82	U	3.06		0.82	U	0.874		**9.4**		0.437		0.983		**12**		0.21	U	0.21	U	**17**		1.0		**35**		2.1		**7.5**		0.68		**7.5**	
Trichlorofluoromethane (Freon 11)	--	2.0		1.26		1.5		1.83		1.3		1.54		1.4		1.09		1.09		1.5		1.3		1.5		1.9		2.6		2.4		3.0		1.4		2.4		1.2	
Vinyl Acetate	--	0.70	U	0.537	U	0.54	U	0.537	U	0.54	U	0.537	U	0.54	U	0.537	U	0.537	U	0.70	U	0.70	U	0.70	U	0.70	U	2.7		0.70	U	0.18	U	0.70	U	<0.18	U	0.70	U
Vinyl Bromide	--	0.87	U	0.667	U	0.67	U	0.667	U	0.67	U	0.667	U	0.67	U	0.667	U	0.667	U	0.87	U	0.87	U	0.87	U	0.87	U	NA		0.87	U	NA		0.87	U	NA		0.87	U
Vinyl Chloride	--	0.51	U	0.104	U	0.39	U	0.104	U	0.39	U	0.104	U	0.39	U	0.104	U	0.104	U	0.51	U	0.51	U	0.51	U	0.51	U	0.13	U	0.51	U	0.13	U	0.51	U	<0.13	U	0.51	U
Xylenes (total)	--	0.87	U	NA		NA		NA		NA		NA		NA		NA		NA		1.5		2.5		0.87	U	6.5		NA		7.8		NA		5.6		NA		2.8	

Notes:

$\mu g/m^3$ = micrograms per cubic meter

Items shaded and in bold font equal or exceed NYSDOH AGVs.

J - Estimated Value

U -The compound was not detected at the indicated concentration.

NA - Not analyzed

-- = Not Available

NYSDOH AGV- New York State Department of Health Air Guideline Values

(1) - As per Appendix C of the Final NYSDOH Guidance document.

TABLE 21
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF AIR SAMPLES

Sample ID		STEW-IA-04-091610		STEW-IA-05		STEW-IA-05-091610		STEW-IA-06		STEW-IA-07		STEW-IA-08		STEW-IA-09		STEW-IA-10		STEW-IA-11-091610		STEW-IA-12-091610		STEW-IA-13-091610	
Lab ID		10I0605-04		JA34267-8		10I0605-05		JA34267-9		JA34267-10		JA34267-11		JA34267-12		JA34267-13		10I0605-06		10I0605-07		10I0605-08	
Date Sampled		09-16-2010		12-1-2009		09-16-2010		12-1-2009		12-1-2009		12-1-2009		12-1-2009		12-1-2009		09-16-2010		09-16-2010		09-16-2010	
Matrix		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Indoor Air	
Land Use		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential		Residential	
Volatile Organic Compound	NYSDOH AGV[1]	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
1,1,1-Trichloroethane	--	0.27	U	0.22	U	0.27	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	<0.27	U	1.2		<0.27	U
1,1,2,2-Tetrachloroethane	--	0.34	U	0.27	U	0.34	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	<0.34	U	<0.34	U	<0.34	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	0.5		2.3		0.63		2.1		2.1		2.4		2.5		2.1		0.63		0.61		0.55	
1,1,2-Trichloroethane	--	0.27	U	0.22	U	0.27	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	<0.27	U	<0.27	U	<0.27	U
1,1-Dichloroethane	--	0.2	U	0.81	U	0.2	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	<0.20	U	<0.20	U	<0.20	U
1,1-Dichloroethylene	--	0.2	U	0.79	U	0.2	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	<0.20	U	<0.20	U	<0.20	U
1,2,4-Trichlorobenzene	--	0.37	U	0.74	U	0.37	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	<0.37	U	<0.37	U	<0.37	U
1,2,4-Trimethylbenzene	--	1.3		1.2		0.95		1.9		1.3		1.1		1.1		0.84	J	0.53		0.81		0.36	
1,2-Dibromoethane (EDB)	--	0.38	U	0.31	U	0.38	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	<0.38	U	<0.38	U	<0.38	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	--	0.35	U	0.28	U	0.35	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	<0.35	U	<0.35	U	<0.35	U
1,2-Dichlorobenzene	--	0.3	U	0.24	U	0.3	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	<0.30	U	<0.30	U	<0.30	U
1,2-Dichloroethane	--	0.2	U	0.81	U	0.2	U	0.81	U	0.81	U	0.81	U	0.81	U	0.81	U	<0.20	U	<0.20	U	<0.20	U
1,2-Dichloroethene	--	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,2-Dichloropropane	--	0.23	U	0.92	U	0.23	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	<0.23	U	<0.23	U	<0.23	U
1,3,5-Trimethylbenzene	--	0.42		0.98	U	0.3		0.64	J	0.98	U	0.98	U	0.98	U	0.98	U	<0.25	U	<0.25	U	<0.25	U
1,3-Butadiene	--	0.11	U	0.44	U	0.11	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	<0.11	U	<0.11	U	<0.11	U
1,3-Dichlorobenzene	--	0.3	U	0.60	U	0.3	U	0.60	U	0.60	U	0.60	U	0.60	U	0.60	U	<0.30	U	<0.30	U	<0.30	U
1,4-Dichlorobenzene	--	0.3	U	0.60	U	0.31		0.60	U	0.60	U	0.60	U	0.60	U	0.60	U	<0.30	U	<0.30	U	<0.30	U
1,4-Dioxane	--	NA		0.72	U	NA		0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	NA		NA		NA	
2,2,4-Trimethylpentane	--	NA		0.93	U	NA		0.93	U	0.93	U	0.93	U	0.93	U	0.93	U	NA		NA		NA	
2-Butanone (MEK)	--	5		1.2		2.8		1.2		1.3		1.2		1.0		1.5		2.4		3.1		2.2	
2-Chlorotoluene	--	NA		1.0	U	NA		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	NA		NA		NA	
2-Hexanone (MBK)	--	0.79		0.82	U	0.43		0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.45		0.51		0.39	
4-Ethyltoluene	--	0.31		0.98	U	0.25	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	<0.25	U	<0.25	U	<0.25	U
4-Methyl-2-pentanone (MIBK)	--	0.45		0.82	U	0.28		0.82	U	0.82	U	0.82	U	0.82	U	0.82	U	0.27		0.27		0.23	
Acetone	--	40		7.1		18		8.8		9.5		9.5		8.3		10		18		21		13	
Allyl Chloride	--	NA		0.63	U	NA		0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	NA		NA		NA	
Benzene	--	1.6		1.0		0.94		0.77		0.70		0.67		0.70		0.80		0.69		0.74		0.38	
Benzyl chloride	--	0.26	U	1.0	U	0.26	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	<0.26	U	<0.26	U	<0.26	U
Bromodichloromethane	--	0.34	U	0.27	U	0.34	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	<0.34	U	<0.34	U	<0.34	U
Bromoform	--	0.52	U	0.41	U	0.52	U	0.41	U	0.41	U	0.41	U	0.41	U	0.41	U	<0.52	U	<0.52	U	<0.52	U
Bromomethane	--	0.19	U	0.78	U	0.19	U	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U	<0.19	U	<0.19	U	<0.19	U
Carbon Disulfide	--	0.16	U	0.62	U	0.16	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	<0.16	U	<0.16	U	<0.16	U
Carbon Tetrachloride	--	0.48		0.25	U	0.52		0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.53		0.56		0.53	
Chlorobenzene	--	0.23	U	0.92	U	0.23	U	0.92	U	0.92	U	0.92	U	0.92	U	0.92	U	<0.23	U	<0.23	U	<0.23	U
Chloroethane	--	0.13	U	0.53	U	0.13	U	0.53	U	0.53	U	0.53	U	0.53	U	0.53	U	<0.13	U	<0.13	U	<0.13	U
Chloroform	--	0.24	U	0.98	U	0.28		0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.63		<0.24	U	<0.24	U
Chloromethane	--	1.5		1.1		1.2		0.99		1.1		1.1		1.1		1.1		1.1		1.1		1.1	
cis-1,2-Dichloroethylene	--	0.2	U	0.79	U	0.2	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	<0.20	U	<0.20	U	<0.20	U
cis-1,3-Dichloropropene	--	0.23	U	0.91	U	0.23	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	<0.23	U	<0.23	U	<0.23	U
Cyclohexane	--	0.99		0.69	U	0.26		0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.18		0.33		<0.17	U
Dibromochloromethane	--	0.43	U	0.34	U	0.43	U	0.34	U	0.34	U	0.34	U	0.34	U	0.34	U	<0.43	U	<0.43	U	<0.43	U
Dichlorodifluoromethane (Freon 12)	--	3.7		2.7		2.0		2.6		5.9		6.9		5.9		2.8		1.6		2.2		1.9	
Ethanol	--	31		10		12		7.5		7.0		7.3		7.5		7.3		9		14		5.7	
Ethyl Acetate	--	0.18	U	1.6		0.18	U	17		1.0		1.0		5.8		0.72	U	<0.18	U	0.25		<0.18	U
Ethylbenzene	--	0.78		0.61	J	0.54		0.40	J	0.87	U	0.43	J	0.43	J	0.42	J	0.36		0.44		0.24	
Heptane	--	1.1		0.66	J	0.56		0.53	J	0.49	J	0.61	J	0.57	J	0.61	J	0.34		0.49		0.27	
Hexachlorobutadiene	--	0.53	U	0.96	U	0.53	U	0.96	U	0.96	U	0.96	U	0.96	U	0.96	U	<0.53	U	<0.53	U	<0.53	U
Hexane	--	6.1		0.78		1.3		0.85		0.67	J	0.70		0.78		0.70		0.76		1.6		0.47	
Isopropanol	--	10		30.5		3.9		20		28.3		51.6		54.6		24		2.4		3.4		1.2	
m&p-Xylene	--	2.4		2.3		1.7		1.4		1.5		1.6		1.6		1.3		1.1		1.4		0.67	
Methyl tert-butyl ether (MTBE)	--	0.18	U	0.72	U	0.18	U	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	<0.18	U	<0.18	U	<0.18	U
Methylene chloride	60	1.3		3.8		4.1		2.0		1.5		1.1		1.2		1.7		1.6		1.8		0.71	
o-Xylene	--	0.87		0.83	J	0.61		0.56	J	0.56	J	0.61	J	0.56	J	0.52	J	0.37		0.48		0.25	
Propene	--	1.9		0.86	U	2.1		0.86	U	0.86	U	0.86	U	0.86	U	1.6		1.5		1.8		0.89	
Styrene	--	0.21	U	0.85	U	0.21	U	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U	<0.21	U	<0.21	U	<0.21	U
Tertiary butyl alcohol	--	NA		0.61	U	NA		0.85		0.61	U	0.97		0.61	U	1.3		NA		NA		NA	
Tetrachloroethylene (PCE)	100	1.3		1.3		2.0		0.64		0.62		0.62		0.46		0.68		1.3		1.0		0.39	
Tetrahydrofuran	--	2.4		0.59	U	0.3		0.59	U	0.59	U	0.59	U	0.59	U	0.59	U	0.19		0.37		<0.15	U
Toluene	--	5.9		2.9		2.9		2.7		2.0		2.0		2.3		2.1		2.0		2.6		1.4	
trans-1,2-Dichloroethylene	--	0.2	U	0.79	U	0.2	U	0.79	U	0.79	U	0.79	U	0.79	U	0.79	U	<0.20	U	<0.20	U	<0.20	U
trans-1,3-Dichloropropene	--	0.23	U	0.91	U	0.23	U	0.91	U	0.91	U	0.91	U	0.91	U	0.91	U	<0.23	U	<0.23	U	<0.23	U
Trichloroethylene (TCE)	5	1.0		**11**		1.4		3.3		4.1		**5.4**		4.7		4.9		0.37		1.0		<0.27	U
Trichlorofluoromethane (Freon 11)	--	2.6		1.3		1.9		1.3		2.1		21		16		1.3		1.6		2.2		1.3	
Vinyl Acetate	--	2.7		0.70	U	0.18	U	0.70	U	0.70	U	0.70	U	0.70	U	0.70	U	2.1		<0.18	U	<0.18	U
Vinyl Bromide	--	NA		0.87	U	NA		0.87	U	0.87	U	0.87	U	0.87	U	0.87	U	NA		NA		NA	
Vinyl Chloride	--	0.13	U	0.51	U	0.13	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	<0.13	U	<0.13	U	<0.13	U
Xylenes (total)	--	NA		3.1		NA		2.0		2.0		2.2		2.2		1.9		NA		NA		NA	

Notes:

µg/m^3 = micrograms per cubic meter

Items shaded and in bold font equal or exceed NYSDOH AGVs.

J - Estimated Value

U -The compound was not detected at the indicated concentration.

NA - Not analyzed

-- = Not Available

NYSDOH AGV- New York State Department of Health Air Guideline Values

(1) - As per Appendix C of the Final NYSDOH Guidance document.

TABLE 22
STEWART EFI NEW YORK, LLC
FORMER STEWART STAMPING SITE, YONKERS, NEW YORK
SOIL MANAGEMENT PLAN
SUMMARY OF RESULTS OF ANALYSIS OF OIL SAMPLE FROM TANK NUMBER 2

Sample ID	TRC-OIL1	
Lab Sample ID	J27995-1	
Sampling Date	4/19/2011	
Matrix	Waste	
Dilution Factor	1	
Units	µg/kg	
Land Use	Industrial	
VOLATILE ORGANIC COMPOUNDS (VOCs) (µg/kg)	Result	
1,1,1-Trichloroethane (TCA)	1700	U
1,1,1,2-Tetrachloroethane	1700	U
1,1,2,2-Tetrachloroethane	1700	U
1,1,2-Trichloroethane	1700	U
1,1-Dichloroethane	1700	U
1,1-Dichloroethene	1700	U
1,2,3-Trichlorobenzene	1700	U
1,2,4-Trichlorobenzene	NA	
1,2,4-Trimethylbenzene	NA	
1,2-Dibromo-3-Chloropropane	1700	U
1,2-Dibromoethane	1700	U
1,2-Dibromoethene	1700	U
1,2-Dichlorobenzene	1700	U
1,2-Dichloroethane	1700	U
1,2-Dichloroethene	3400	U
1,2-Dichloropropane	1700	U
1,3,5-Trimethylbenzene	NA	
1,3-Dichlorobenzene	1700	U
1,4-Dichlorobenzene	1700	U
1,4-Dioxane	NA	
2-Butanone (MEK)	NA	
2-Chloroethyl vinyl ether	1700	U
2-Hexanone	NA	
4-Methyl-2-pentanone	NA	
Acetone	NA	
Benzene	NA	
Bromobenzene	1700	U
Bromochloromethane	1700	U
Bromodichloromethane	1700	U
Bromoform	NA	
Bromomethane	1700	U
Carbon Disulfide	NA	
Carbon Tetrachloride	1700	U
Chlorobenzene	1700	U
Chloroethane	NA	
Chloroform	1700	U
Chloromethane	1700	U
cis-1,2-Dichloroethene	1700	U
cis-1,3-Dichloropropene	1700	U
Cyclohexane	NA	
Dibromomethane	1700	U
Dibromochloromethane	1700	U
Dichlorodifluoromethane	1700	U
Ethylbenzene	NA	
Freon TF[(1)]	1700	U*
Isopropylbenzene	NA	
m&p-Xylene	NA	
Methyl Acetate	NA	
Methylcyclohexane	NA	
Methylene Chloride	610,000	
Methyl tert-butyl ether (MTBE)	NA	
n-Butylbenzene	NA	
n-Propylbenzene	NA	
o-Xylene	NA	
p-Isopropyltoluene	NA	
sec-Butylbenzene	NA	
Styrene	NA	
tert-Butylbenzene	NA	
Tetrachloroethene (PCE)	1700	U
Toluene	NA	
trans-1,2-Dichloroethene	1700	U
trans-1,3-Dichloropropene	1700	U
Trichloroethene (TCE)	1700	U
Trichlorofluoromethane	1700	U
Vinyl Chloride	1700	U
Total VOCs	610,000	

Notes:

µg/kg - micrograms per kilogram

[(1)] - Also known as 1,1,2-trichloro-1,2,2-trifluoroethane and

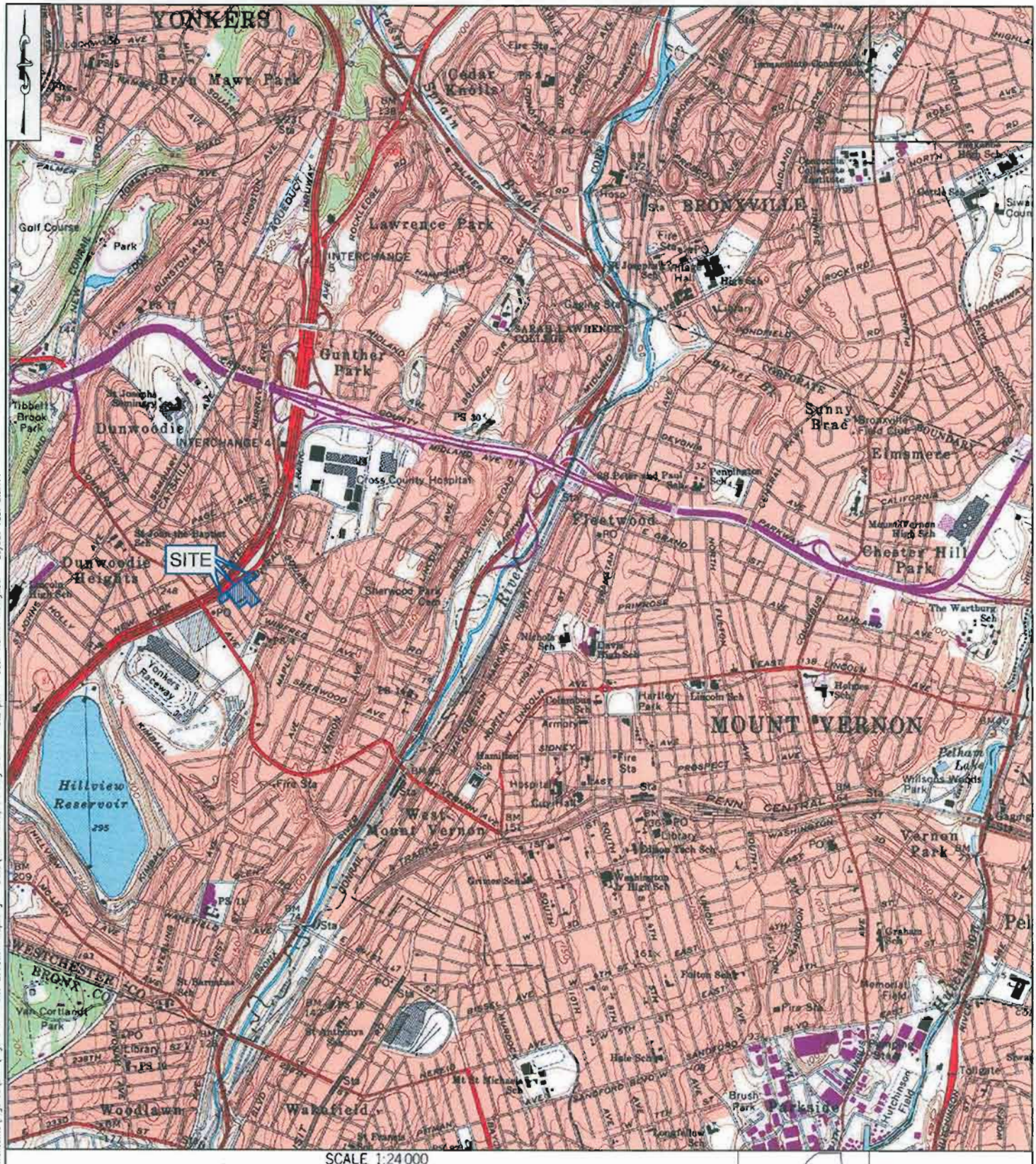
U - Analyte was not detected.

* - Recovery or RPD exceeds control limits

Sample Ignitability determined to be >160 °F

EOX: 66,000 mg/kg

FIGURES



SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET--DATUM IS MEAN LOW WATER

QUADRANGLE LOCATION

MAP OBTAINED THROUGH USE OF MAPTECH TERRAIN NAVIGATOR PRO SOFTWARE.

MOUNT VERNON, N.Y.
NEW HARLEM 15 QUADRANGLE
N4062.5—W7345/7.5
1966
PHOTOREVISED 1979
AMS 6865 IV NE—SERIES V831

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY: JM/ML	PROJECT NAME: FORMER STEWART STAMPING SITE VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-08 YONKERS, NEW YORK
DRAWN BY: HD	
CHECKED BY: DSG	
DATE: AUGUST 2011	DRAWING TITLE: SITE LOCATION MAP
SCALE: AS SHOWN	
PROJECT NUMBER: 181590.0000.0000	

FIGURE 1

Path\Name: I:\Projects\181590 – Stewart Inv. WP Requirements\Figures\SMP\Figure 1 – Site Location Map.dwg – Date\Time: Mon, 01 Aug 2011 – 5:24pm – User Name: ndelgodo – Layout Tab: 8.5X11

BLOCK 6344
LOTS 1 & 2

NELSON STREET

WHITTIER AVENUE

EDGEWOOD AVENUE

TRENCHARD STREET

WINFRED AVENUE

BLOCK 6343
LOT 1

LOTS
25 & 27

LOT
51

LOTS
47 & 49

PARKING LOT

BLOCK 6342
LOT 5

KETTELL AVENUE

HUBER PLACE

NEW YORK STATE THRUWAY (SOUTHBOUND)

NEW YORK STATE THRUWAY (NORTHBOUND)

CENTRAL PARK AVENUE

N

S

W

E

LEGEND :

- INDUSTRIAL BUILDING BOUNDARY
- VOLUNTARY CLEANUP AGREEMENT SITE BOUNDARY
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES
- RESIDENTIAL USE
- COMMERCIAL USE
- INDUSTRIAL USE

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 2 - Voluntary Cleanup Program Site Boundaries and Uses.dwg - Date\Time: Mon, 01 Aug 2011 - 5:31pm - User Name: hdelgado - Layout Tab: 11X17

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 80 160 FT.

APPROXIMATE SCALE: 1"=80'
PAPER SIZE: 11" x 17"

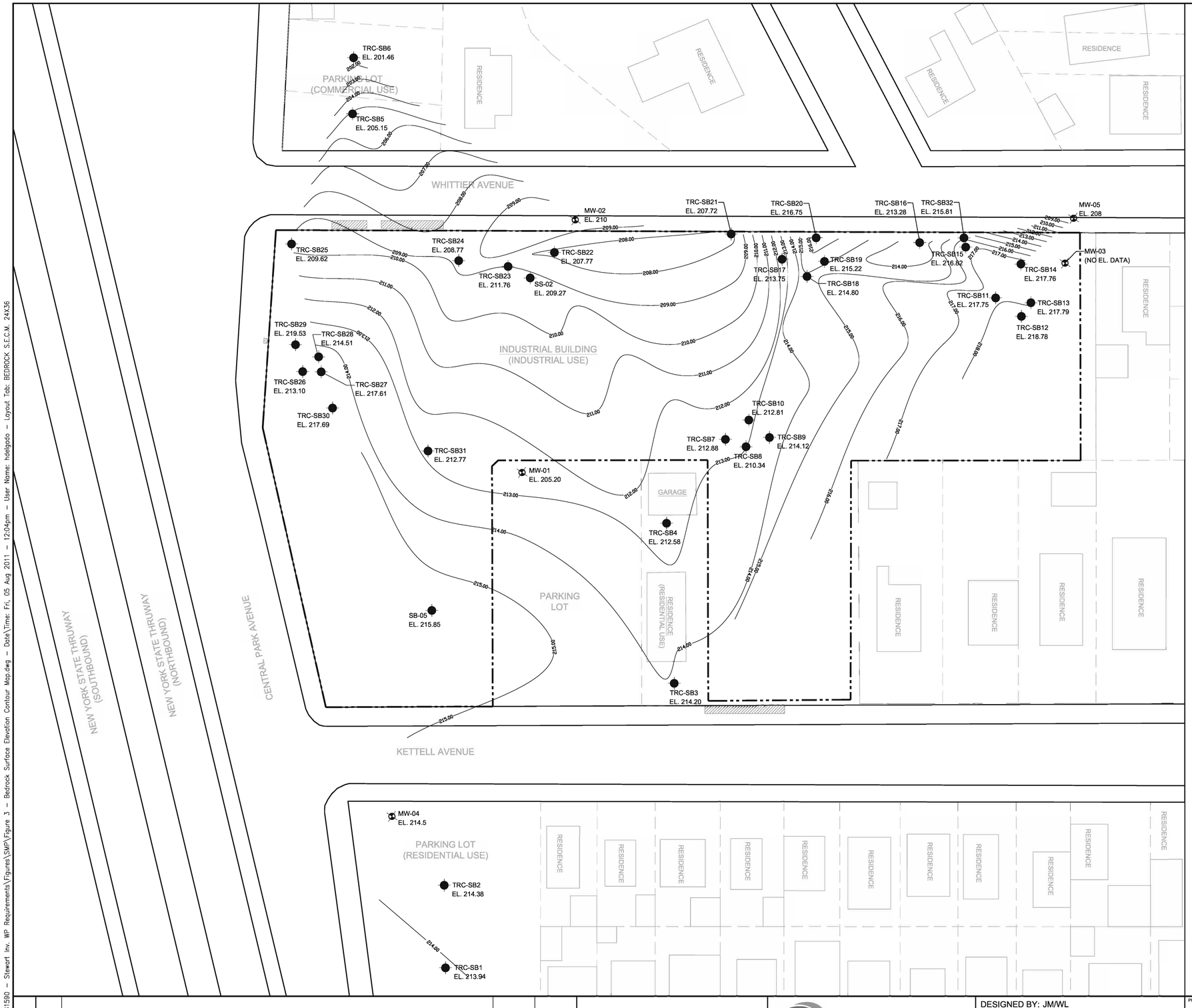
TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY: JM/WL	
DRAWN BY: HD	
CHECKED BY: DSG	
DATE: AUGUST 2011	
SCALE: AS SHOWN	
PROJECT NUMBER: 181590.0000.0000	

PROJECT NAME:
FORMER STEWART STAMPING SITE
VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
VOLUNTARY CLEANUP PROGRAM SITE BOUNDARIES AND USES

FIGURE
2



LEGEND (SYMBOLS NOT TO SCALE):

MW-XX EL.XXX.XX — MONITORING WELL LOCATION, IDENTIFICATION NUMBER AND BEDROCK SURFACE ELEVATION (NORTH AMERICAN VERTICAL DATUM 1988)

TRC-SBXX EL.XXX.XX — SOIL BORING LOCATION, IDENTIFICATION NUMBER AND BEDROCK SURFACE ELEVATION (NORTH AMERICAN VERTICAL DATUM 1988)

216.00 — BEDROCK SURFACE ELEVATION CONTOUR (IN FEET)

NOTES:

1. LOCATIONS AND GROUND SURFACE ELEVATIONS OF POINTS OF INVESTIGATION SURVEYED BY PERFECT POINT LAND SURVEYING ON DRAWING "MONITORING WELLS SURVEY" DATED JUNE 24, 2011.
2. ALL ELEVATIONS SHOWN REFER TO THE 1988 NAVD.
3. IN GENERATING CONTOURS, TOP OF BEDROCK SURFACE ELEVATIONS WERE NOT USED FOR THE FOLLOWING BORINGS: TRC-SB8, TRC-SB9, TRC-SB17, TRC-SB23, TRC-SB26, TRC-SB27, TRC-SB29, TRC-SB30, MW-01.

REVISIONS NO.	DESCRIPTION	BY	DATE

0 30 60 FT.
HORIZONTAL SCALE: 1"=30'

PAPER SIZE: 24" x 36"

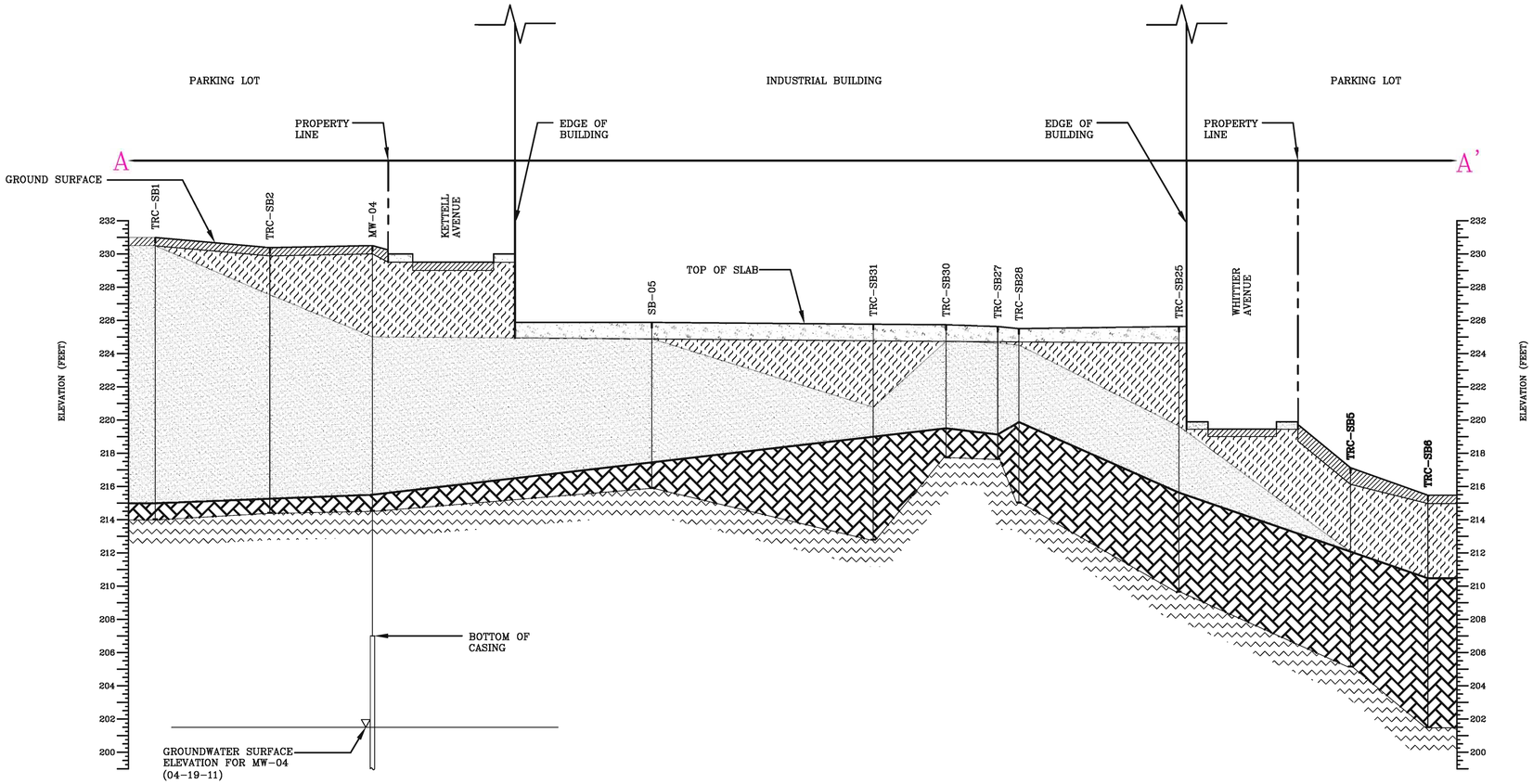
TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

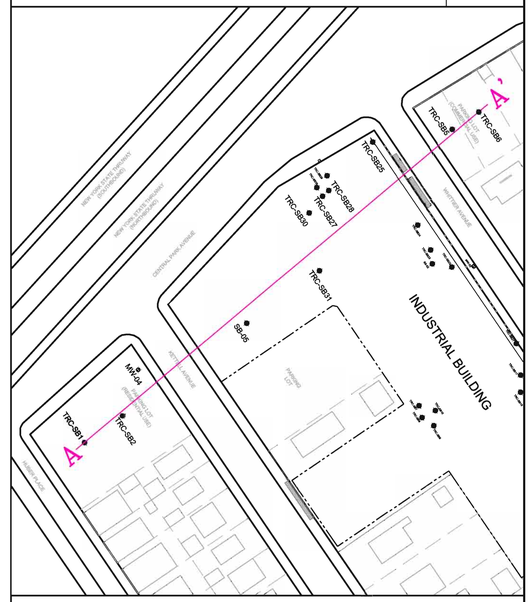
DESIGNED BY:	JM/WL
DRAWN BY:	HD
CHECKED BY:	DSG
DATE:	AUGUST 2011
SCALE:	AS SHOWN
PROJECT NUMBER:	181590.0000.0000

PROJECT NAME:
FORMER STEWART STAMPING SITE
VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
BEDROCK SURFACE ELEVATION CONTOUR MAP

FIGURE
3





CROSS-SECTION A-A' LOCATION MAP
SCALE: 1"=80'

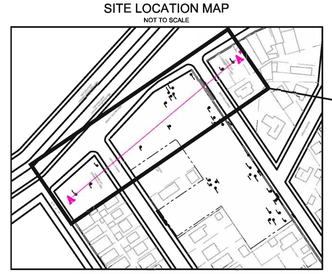
LEGEND (SYMBOLS NOT TO SCALE):

- MW-04 MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- TRC-SBX SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- WEATHERED BEDROCK
- BEDROCK
- END OF BORING (BOTTOM)

NOTES:

1. LOCATIONS AND GROUND SURFACE ELEVATIONS OF POINTS OF INVESTIGATION SURVEYED BY PERFECT POINT LAND SURVEYING ON DRAWING "MONITORING WELLS SURVEY" DATED JUNE 24, 2011.
2. ALL ELEVATIONS SHOWN REFER TO THE 1988 NAVD.
3. GEOLOGIC DESCRIPTIONS AND DEPTH AND EXTENT OF LAYERS REPRESENT INTERPRETATION AND EXTRAPOLATION OF FIELD DATA AND ARE APPROXIMATE.

SITE LOCATION MAP
NOT TO SCALE



REVISIONS

NO.	DESCRIPTION	BY	DATE

0 30 60 FT.
HORIZONTAL SCALE: 1"=30'

0 4 8 FT.
VERTICAL SCALE: 1"=4'

PAPER SIZE: 24" x 36"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

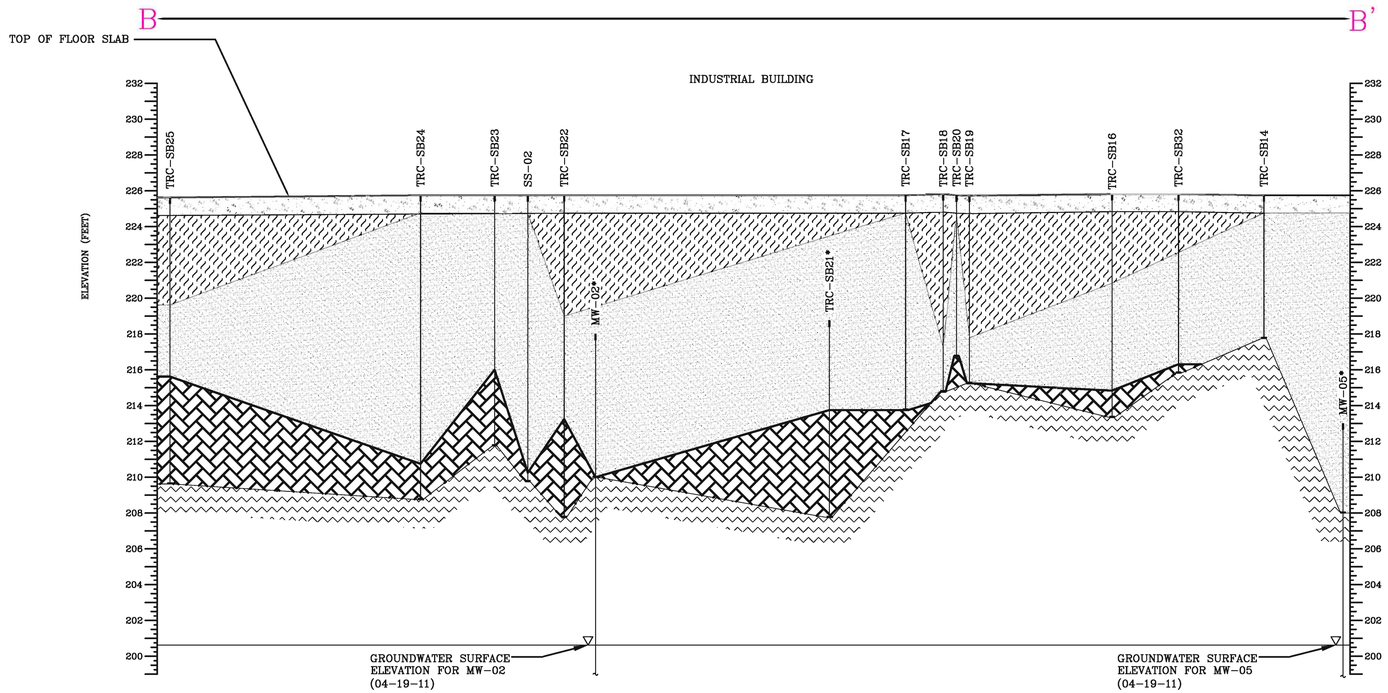
DESIGNED BY:	JM/WL
DRAWN BY:	HD
CHECKED BY:	DSG
DATE:	AUGUST 2011
SCALE:	AS SHOWN
PROJECT NUMBER:	181590.0000.0000

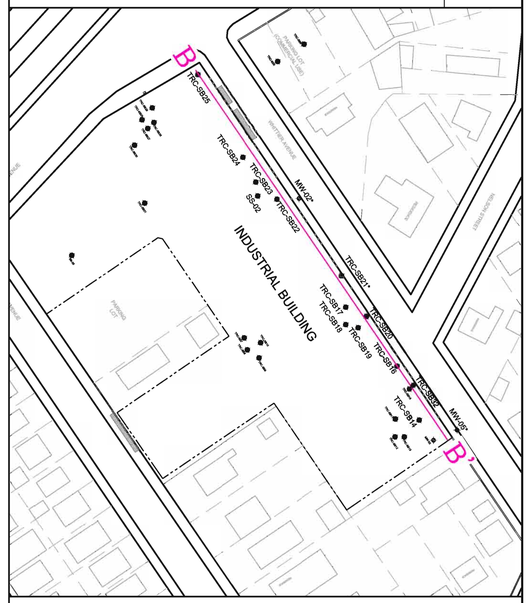
PROJECT NAME:
FORMER STEWART STAMPING SITE
VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
GEOLOGICAL CROSS-SECTION A-A'

FIGURE
4

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 4-5 - Geological Cross-Sections A-A' & B-B'.dwg - Date\Time: Mon, 01 Aug 2011 - 5:44pm - User Name: hdelgado - Layout Tab: A-A' 24X36





CROSS-SECTION B-B' LOCATION MAP
SCALE: 1"=80'

LEGEND (SYMBOLS NOT TO SCALE):

- MW-04 MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- TRC-SBX SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- CONCRETE
- FILL
- SILTY SAND
- WEATHERED BEDROCK
- BEDROCK
- \- END OF BORING (BOTTOM)
- * PROJECTED ONTO CROSS-SECTION

NOTES:

1. LOCATIONS AND GROUND SURFACE ELEVATIONS OF POINTS OF INVESTIGATION SURVEYED BY PERFECT POINT LAND SURVEYING ON DRAWING "MONITORING WELLS SURVEY" DATED JUNE 24, 2011.
2. ALL ELEVATIONS SHOWN REFER TO THE 1988 NAVD.
3. GEOLOGIC DESCRIPTIONS AND DEPTH AND EXTENT OF LAYERS REPRESENT INTERPRETATION AND EXTRAPOLATION OF FIELD DATA AND ARE APPROXIMATE.

SITE LOCATION MAP
NOT TO SCALE

REVISIONS

NO.	DESCRIPTION	BY	DATE

0 30 60 FT.
HORIZONTAL SCALE: 1"=30'

0 4 8 FT.
VERTICAL SCALE: 1"=4'

PAPER SIZE: 24" x 36"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY:	JM/WL
DRAWN BY:	HD
CHECKED BY:	DSG
DATE:	AUGUST 2011
SCALE:	AS SHOWN
PROJECT NUMBER:	181590.0000.0000

PROJECT NAME:
FORMER STEWART STAMPING SITE
VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
GEOLOGICAL CROSS-SECTION B-B'

FIGURE
5

CONSTITUENT	AIR GUIDELINE VALUES (µg/m³)	WHITTIER-11-OA 3/15/08 (µg/m³)		WHITTIER-11-IA 3/15/08 (µg/m³)		WHITTIER-11-SS 3/15/08 (µg/m³)		MATRIX	ACTION
1,1-Dichloroethene	NC	0.605	U	0.605	U	0.60	U	1	1
1,1,1-Trichloroethane	NC	0.832	U	0.832	U	1.6		2	1
Carbon Tetrachloride	NC	0.576		0.640		0.96	U	1	2
cis-1,2-Dichloroethene	NC	0.484	J	0.604	U	0.60	U	2	1
Tetrachloroethene	100	2.48		1.10		1.2		2	1
Trichloroethene	5	3.06		0.273		0.82	U	1	2

MW-02			
CONSTITUENT	Class GA Value (µg/L)	12/30/02 (µg/L)	8/16/06 (µg/L)
Arsenic	25	**64.4**	**146**
Cadmium	5	<Class GA Value	**15.4** J
Nickel	100	<Class GA Value	**223** J
Thallium	0.5	<Class GA Value	**11.4** J
Zinc	2,000	**38,800**	**35,700** J
Cyanide	200	<Class GA Value	<Class GA Value
VOCs	Various	<Class GA Values	<Class GA Values
SVOCs	Various	<Class GA Values	<Class GA Values

SS-02 (1.5', 7.5', 13.5', 15.5')	
CONSTITUENT	7/23/07
TAL Metals	<Part 375 Industrial SCOs
Total Cyanide	<Part 375 Industrial SCO

SS-01 (12')		
CONSTITUENT	PART 375 INDUSTRIAL SCO (mg/kg)	7/22/06 (mg/kg)
Lead	3,900	**11,000** J
Total Cyanide	10,000	<Part 375 Industrial SCO
Tetrachloroethene	300	**330**

VD-3 (6-8', 13-15')	
CONSTITUENT	10/3/02
Metals	<Part 375 Industrial SCOs
Total Cyanide	<Part 375 Industrial SCO
SVOCs	<Part 375 Industrial SCOs
VOCs	<Part 375 Industrial SCOs

DGSUMP1 (0.5-1')	
CONSTITUENT	1/2/03
Metals	<Part 375 Industrial SCOs
Total Cyanide	<Part 375 Industrial SCO
SVOCs	<Part 375 Industrial SCOs
VOCs	<Part 375 Industrial SCOs

SB-06 (2.00')	
CONSTITUENT	7/18/07
TAL Metals	<Part 375 Industrial SCOs
TCL VOCs	<Part 375 Industrial SCOs

SB-07 (0.00')	
CONSTITUENT	7/18/07
TAL Metals	<Part 375 Industrial SCOs
TCL VOCs	<Part 375 Industrial SCOs

SB-05 (9.00')	
CONSTITUENT	7/18/07
TAL Metals	<Part 375 Industrial SCOs
TCL VOCs	<Part 375 Industrial SCOs

MW-01			
CONSTITUENT	Class GA Value (µg/L)	12/30/02 (µg/L)	8/16/06 (µg/L)
Thallium	0.5	<Class GA Values	**13** J
Cyanide	200	<Class GA Value	<Class GA Value
VOCs	Various	<Class GA Values	<Class GA Values
SVOCs	Various	<Class GA Values	<Class GA Values

MW-04			
CONSTITUENT	Class GA Value (µg/L)	12/30/02 (µg/L)	8/16/06 (µg/L)
TAL Metals	Various	NS	<Class GA Values
Cyanide	200	NS	<Class GA Value
VOCs	Various	NS	<Class GA Values
SVOCs	Various	NS	<Class GA Values

CONSTITUENT	AIR GUIDELINE VALUES (µg/m³)	KETTELL-21-OA 3/17/08 (µg/m³)		12/1/09 (µg/m³)		KETTELL-21-IA 3/17/08 (µg/m³)		12/1/09 (µg/m³)		KETTELL-21-SS 3/17/08 (µg/m³)		12/1/09 (µg/m³)		MATRIX	ACTION
1,1-Dichloroethene	NC	NS		0.79	U	0.605	U	0.79	U	0.60	U	0.79	U	1	1
1,1,1-Trichloroethane	NC	NS		0.22	U	0.832	U	0.22	U	0.83	U	0.22	U	2	1
Carbon Tetrachloride	NC	NS		0.25	U	0.576		0.25	U	0.96	U	0.25	U	1	1
cis-1,2-Dichloroethene	NC	NS		0.79	U	0.604	U	0.79	U	0.60	U	0.79	U	2	1
Tetrachloroethene	100	NS		0.26	J	1.03	U	0.27	U	1.0		0.95		2	1
Trichloroethene	5	NS		0.21	U	**17.8**		0.21	U	**8.1**		0.21	U	1	1

SB-02 (0.5', 11.0')	
CONSTITUENT	7/18/07
TAL Metals	<Part 375 Industrial SCOs
TCL VOCs	<Part 375 Industrial SCOs

SB-01 (0.5', 15.5')	
CONSTITUENT	7/18/07
TAL Metals	<Part 375 Industrial SCOs
TCL VOCs	<Part 375 Industrial SCOs

MW2-B1 (1-4', 6-8')	
CONSTITUENT	1/2/03
TAL Metals	<Part 375 Industrial SCOs
Total Cyanide	<Part 375 Industrial SCO
VOCs	<Part 375 Industrial SCOs
SVOCs	<Part 375 Industrial SCOs

SOIL SAMPLE DEPTHS IN INCHES OR FEET BGS (TYP.)

SB-04 (5.00', 9.50')	
CONSTITUENT	7/18/07
TAL Metals	<Part 375 Industrial SCOs
TCL VOCs	<Part 375 Industrial SCOs

CONSTITUENT	AIR GUIDELINE VALUES (µg/m³)	KETTELL-45-OA 3/18/10(µg/m³)		KETTELL-45-IA 3/14/08 (µg/m³)		3/18/10(µg/m³)		KETTELL-45-SS 3/14/08 (µg/m³)		3/18/10 (µg/m³)		MATRIX	ACTION
1,1-Dichloroethene	NC	0.79	U	0.605	U	0.79	U	0.60	U	0.79	U	1	1
1,1,1-Trichloroethane	NC	0.22	U	1.05	J	0.22	U	0.78	J	1.3		2	1
Carbon Tetrachloride	NC	0.25	U	0.576		0.25	U	0.96	U	0.94		1	1
cis-1,2-Dichloroethene	NC	0.79	U	0.604	U	0.79	U	0.60	U	0.79	U	2	1
Tetrachloroethene	100	0.27		1.10		0.75		1.0	U	0.81		2	1
Trichloroethene	5	0.21	U	0.655		0.21	U	**9.2**		3.3		1	1

CONSTITUENT	AIR GUIDELINE VALUES (µg/m³)	KETTELL-35-OA 3/14/08 (µg/m³)		KETTELL-35-IA 3/14/08 (µg/m³)		KETTELL-35-SS 3/14/08 (µg/m³)		MATRIX	ACTION
1,1-Dichloroethene	NC	0.605	U	0.605	U	0.60	U	1	1
1,1,1-Trichloroethane	NC	0.832	U	0.832	U	0.55	J	2	1
Carbon Tetrachloride	NC	0.256	U	0.512		0.96	U	1	2
cis-1,2-Dichloroethene	NC	0.604	U	0.604	U	0.60	U	2	1
Tetrachloroethene	100	1.03	U	1.03	U	0.97	J	2	1
Trichloroethene	5	0.218	U	**12.6**		2.2		1	2

CONSTITUENT	AIR GUIDELINE VALUES (µg/m³)	KETTELL-43-IA 3/15/08 (µg/m³)		KETTELL-43-SS 3/15/08 (µg/m³)		MATRIX	ACTION
1,1-Dichloroethene	NC	0.605	U	0.60	U	1	1
1,1,1-Trichloroethane	NC	0.832	U	0.94		2	1
Carbon Tetrachloride	NC	0.576		0.96	U	1	2
cis-1,2-Dichloroethene	NC	0.604	U	0.56	J	2	1
Tetrachloroethene	100	1.03	U	3.0		2	1
Trichloroethene	5	0.874		2.0		1	2

SB-03 (2.00')	
CONSTITUENT	7/18/07
TAL Metals	<Part 375 Industrial SCOs
TCL VOCs	<Part 375 Industrial SCOs

CONSTITUENT	AIR GUIDELINE VALUES (µg/m³)	WHITTIER-33-OA 3/17/08 (µg/m³)		3/24/10(µg/m³)		WHITTIER-33-IA 3/17/08 (µg/m³)		3/24/10 (µg/m³)		WHITTIER-33-SS 3/17/08 (µg/m³)		3/24/10 (µg/m³)		MATRIX	ACTION
1,1-Dichloroethene	NC	0.605	U	0.79	U	0.605	U	0.79	U	0.6	U	0.79	U	1	1
1,1,1-Trichloroethane	NC	0.832	U	0.22	U	0.832		3.0		0.61	J	1.4		2	2
Carbon Tetrachloride	NC	0.576		0.25	U	0.384		0.25	U	0.96	U	0.25	U	1	1
cis-1,2-Dichloroethene	NC	0.604	U	0.79	U	0.604	U	0.79	U	0.56	J	0.79	U	2	1
Tetrachloroethene	100	1.03	U	0.27	U	0.896	J	0.27	U	0.69	J	0.54		2	1
Trichloroethene	5	0.983		0.21	U	0.437		0.21	U	**9.4**		**12**		1	1

MW-05			
CONSTITUENT	Class GA Value (µg/L)	12/30/02 (µg/L)	8/16/06 (µg/L)
TAL Metals	Various	NS	<Class GA Values
Cyanide	200	NS	<Class GA Value
Chloroform	7	NS	**230**
Trichloroethene	5	NS	**54**
SVOCs	Various	NS	<Class GA Values

CONSTITUENT	AIR GUIDELINE VALUES (µg/m³)	WHITTIER-32-IA 3/14/08 (µg/m³)		WHITTIER-32-SS 3/14/08 (µg/m³)		MATRIX	ACTION
1,1-Dichloroethene	NC	0.605	U	0.60	U	1	1
1,1,1-Trichloroethane	NC	0.832	U	0.83	U	2	1
Carbon Tetrachloride	NC	0.256	U	0.96	U	1	1
cis-1,2-Dichloroethene	NC	0.604	U	0.60	U	2	1
Tetrachloroethene	100	8.55		4.0		2	2
Trichloroethene	5	0.874		0.82	U	1	2

MW-03			
CONSTITUENT	Class GA Value (µg/L)	12/30/02 (µg/L)	8/16/06 (µg/L)
Chromium	50	**108**	<Class GA Value
Cyanide	200	<Class GA Value	<Class GA Value
VOCs	Various	<Class GA Values	<Class GA Values
SVOCs	Various	<Class GA Values	<Class GA Values

LEGEND (SYMBOLS NOT TO SCALE):

- INDUSTRIAL BUILDING BOUNDARY
- VOLUNTARY CLEANUP AGREEMENT SITE BOUNDARY
- SOIL SAMPLING LOCATION
- SOIL BORING LOCATION WITH NO RECOVERY
- SLUDGE SAMPLING LOCATION
- GROUNDWATER MONITORING WELL
- "SUB-SLAB" SOIL GAS SAMPLE (RESULTS FOR INDUSTRIAL BUILDING NOT SHOWN. REFER TO TABLE 21.)
- SOIL VAPOR SAMPLE (RESULTS NOT SHOWN. REFER TO TABLE 21.)
- AIR SAMPLE
- 200 GROUNDWATER SURFACE ELEVATION CONTOUR (FEET) ERM 2008
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES
- µg/L MICROGRAMS PER LITER
- µg/m³ MICROGRAMS PER CUBIC METER
- mg/kg MILLIGRAMS PER KILOGRAM

NOTES:

1. LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. **BOLD** VALUES EXCEED THE CRITERIA.
3. SAMPLE RESULTS QUALIFIERS:
   U - COMPOUND NOT DETECTED
   J - ESTIMATED VALUE
   NC - NO CRITERIA
   NS - NOT SAMPLED
4. EXCEEDANCES OF NATURALLY OCCURRING IRON, MAGNESIUM, MANGANESE AND SODIUM ARE NOT SHOWN FOR GROUNDWATER RESULTS.
5. NYSDOH SOIL VAPOR/INDOOR AIR MATRIX ACTION # (IN CERTAIN INSTANCES DETECTION LIMITS ARE ABOVE CRITERIA. MOST RECENT RESULTS USED.):
   1 - NO FURTHER ACTION
   2 - TAKE REASONABLE AND PRACTICAL ACTIONS TO IDENTIFY SOURCE(S) AND REDUCE EXPOSURES
   3 - MONITOR
   4 - MITIGATE

REVISIONS			
NO.	DESCRIPTION	BY	DATE

0 30' 60'
SCALE: 1" = 30'

PAPER SIZE: 24" x 36"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

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DRAWN BY: HD
CHECKED BY: DSG
DATE: AUGUST 2011
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PROJECT NUMBER: 181590.0000.0000

PROJECT NAME:
FORMER STEWART STAMPING SITE
VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
LOCATIONS OF HISTORIC SAMPLING AND SUMMARY OF RESULTS

FIGURE 6

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 6 - Locations of Historic Sampling and Summary of Results.dwg - Date\Time: Fri, 21 Oct 2011 - 11:26am - User Name: kmyers - Layout Tab: 24X36

WHITTIER AVENUE

SUMP CONTAINING WATER
SIDEWALK VAULT
SIDEWALK VAULT
SIDEWALK
SUMP VENT LINES TO ROOF
SANITARY HOUSE TRAP
SIDEWALK
SUMP CONTAINING OIL (OIL REMOVED)
WASTEWATER TREATMENT SYSTEM INDUSTRIAL DISCHARGE PIPE PIT
SUMP WITH DRAIN
SIDEWALK

TUMBLER ROOM
DRAIN CONTAINING WATER
FLOOR DRAIN FILLED WITH CONCRETE
TRC-SLUDGE-1 (SAMPLE)
PLATING SHOP
SCRAP METAL BAY
SUMP CONTAINING OIL (OIL REMOVED)
WASTEWATER TREATMENT
UST #6
UST #3
UST #2
SUMP CONTAINING WATER
TRC-OIL1 (SAMPLE) (OIL REMOVED)
UST #8
UST #7
AST #5
AST #4
RESIDENCE
RESIDENCE
RESIDENCE

SIDEWALK
HISTORIC BASEMENT BOILER ROOM
AC UNIT
PIT CONTAINING SLUDGE (SLUDGE REMOVED)
BASEMENT LOCKER ROOM
TRUCK BAY
BATHROOM
BASEMENT SUMP CONTAINING WATER
4 FOOT DEEP CONCRETE PIT
RAMP TO 2ND FLOOR
LOBBY
NORTH PRESS ROOM
MIDDLE PRESS ROOM
PACKING
MAINTENANCE EQUIPMENT
UST #9
SIDEWALK VAULT
AIR COMPRESSOR ROOM BELOW RAMP
LOADING DOCK
LOCKER ROOM
HOUSE TRAP OIL STAINING
FLOOR DRAIN CONTAINING OIL (OIL REMOVED)
BATHROOM
SUMPS CONTAINING WATER
SUMP CONTAINING WATER
BASEMENT BOILER ROOM
UST #1
RAW MATERIAL PIT 2
ABOVEGROUND OIL WATER SEPARATORS
AIR COMPRESSORS
SANITARY HOUSE TRAP
IN FLOOR OIL WATER SEPARATOR (NO OIL)
BATHROOM
GARAGE
SIDEWALK
MULTI-SLIDE DEPARTMENT
SANITARY HOUSE TRAP
WATER METER
BATHROOM
LOCKERS
SCALE
MANHOLE TO ACCESS SCALE
RAW MATERIAL PIT 1
SOUTH PRESS ROOM
PARKING LOT
RESIDENCE
RESIDENCE
RESIDENCE
RESIDENCE
CENTRAL PARK AVENUE
TOOL ROOM 2
TOOL ROOM 1
VAULT
SANITARY HOUSE TRAP
SIDEWALK VAULT
SIDEWALK
SIDEWALK
KETTELL AVENUE

LEGEND (SYMBOLS NOT TO SCALE):

- INDUSTRIAL BUILDING BOUNDARY
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES
- FLOOR DRAIN PIPING UNDER FLOOR SLAB
- TRENCH DRAIN
- PIPING TO SEWER
- UNDERGROUND STORAGE TANK AND ASSOCIATED PIPING
- ABOVEGROUND STORAGE TANK
- FLOOR DRAIN
- SUMP
- SEWER MANHOLE
- TANK FILL OR VENT
- SANITARY VENT LINE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PETROLEUM BULK STORAGE REGISTRATION INFORMATION (PBS No. 3-012564)

Tank No.	Year Installed	Tank Type	Historic Contents*	Current Contents**	Tank Capacity	Tank Status
1	1965	UST	Fuel Oil	Concrete	5,000-gal	Closed
2	1978	UST	Water Soluble Cutting Oil	Concrete ***	5,000-gal	Closed
3	1978	UST	Water Soluble Cutting Oil	Concrete	3,000-gal	Closed
4	1994	AST	Fuel Oil	Fuel Oil	5,000-gal	In Service
5	1994	AST	Fuel Oil	Fuel Oil	5,000-gal	In Service
6	1978	UST	Water Soluble Cutting Oil	Concrete	3,000-gal	Closed
7	1978	UST	Water	Concrete	8,000-gal	Closed
8	1978	UST	Water	Concrete	8,000-gal	Closed
9	NR	UST	Fuel Oil	Concrete	3,000-gal	Closed

Note: * Information regarding contents of USTs provided by Stewart EFI.
** Information obtained from field inspection.
*** Oil Sludge removed.

REVISIONS

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VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
RESULTS OF DRAINAGE SYSTEM MAPPING AND LOCATIONS OF PETROLEUM BULK STORAGE TANKS

FIGURE
7

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 7 - Results of Drainage System Mapping and Location and of Petroleum Bulk Storage Tanks.dwg - Date\Time: Mon, 01 Aug 2011 - 5:52pm - User Name: hdelgado - Layout Tab: 24X36

TRC-SB6 (6-8" AND 12-14')	
CONSTITUENT	4/19/11
TCL VOCs	<Part 375 Commercial SCOs
TCL SVOCs	<Part 375 Commercial SCOs
TAL Metals and Cyanide	<Part 375 Commercial SCOs
TCL PCBs	<Part 375 Commercial SCO
TCL Pesticides	<Part 375 Commercial SCOs

TRC-SB5 (6-8" AND 10-12')	
CONSTITUENT	4/19/11
TCL VOCs	<Part 375 Commercial SCOs
TCL SVOCs	<Part 375 Commercial SCOs
TAL Metals and Cyanide	<Part 375 Commercial SCOs
TCL PCBs	<Part 375 Commercial SCO
TCL Pesticides	<Part 375 Commercial SCOs

TRC-SB24 (15-17')	
CONSTITUENT	6/21/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB25 (14-16')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (mg/kg)	6/22/11 (mg/kg)
Arsenic	16	**19.8**
TCL VOCs	Various	<Part 375 Industrial SCOs
TCL SVOCs	Various	<Part 375 Industrial SCOs
TAL Metals and Cyanide [1]	Various	<Part 375 Industrial SCOs
TCL PCBs	1	<Part 375 Industrial SCO
TCL Pesticides	Various	<Part 375 Industrial SCOs

Note [1] - Does not include arsenic

TRC-SB29 (4-6')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (µg/kg)	6/22/11 (µg/kg)
Benzo(a)anthracene	11,000	**18,000**
Benzo(a)pyrene	1,100	**17,000**
Benzo(b)fluoranthene	11,000	**19,000**
Dibenzo(a,h)anthracene	1,100	**3,000**
TCL VOCs	Various	<Part 375 Industrial SCOs
TCL SVOCs [1]	Various	<Part 375 Industrial SCOs
TAL Metals and Cyanide	Various	<Part 375 Industrial SCOs
TCL PCBs	1	<Part 375 Industrial SCO
TCL Pesticides	Various	<Part 375 Industrial SCOs

Note [1] - Does not include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene.

TRC-SB23 (12-14')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (mg/kg)	6/21/11 (mg/kg)
Arsenic	16	**18.9**
TCL VOCs	Various	<Part 375 Industrial SCOs
TCL SVOCs	Various	<Part 375 Industrial SCOs
TAL Metals and Cyanide [1]	Various	<Part 375 Industrial SCOs
TCL PCBs	1	<Part 375 Industrial SCO
TCL Pesticides	Various	<Part 375 Industrial SCOs

Note [1] - Does not include arsenic

TRC-SB22 (16-18')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (mg/kg)	6/22/11 (mg/kg)
Arsenic	16	**22.9**
TCL VOCs	Various	<Part 375 Industrial SCOs
TCL SVOCs	Various	<Part 375 Industrial SCOs
TAL Metals and Cyanide [1]	Various	<Part 375 Industrial SCOs
TCL PCBs	1	<Part 375 Industrial SCO
TCL Pesticides	Various	<Part 375 Industrial SCOs

Note [1] - Does not include arsenic

MW-2	
CONSTITUENT	4/18/11
TCL VOCs	<Class GA Values
TCL SVOCs	<Class GA Values
TAL Metals (Filtered and Unfiltered) and Cyanide	<Class GA Values
TCL PCBs	<Class GA Value
TCL Pesticides	<Class GA Values

TRC-SB21 (9-11')	
CONSTITUENT	6/22/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB17 (10-12')	
CONSTITUENT	6/21/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB19 (8.5-10.5')	
CONSTITUENT	6/21/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB32 (8-10')	
CONSTITUENT	6/22/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB20 (7-9')	
CONSTITUENT	6/21/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB18 (9-11')	
CONSTITUENT	6/21/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB16 (10.5-12.5')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

MW-5	
CONSTITUENT	4/19/11
TCL VOCs	<Class GA Values
TCL SVOCs	<Class GA Values
TAL Metals (Filtered and Unfiltered) and Cyanide	<Class GA Values
TCL PCBs	<Class GA Value
TCL Pesticides	<Class GA Values

MW-3		
CONSTITUENT	Class GA Value (µg/L)	4/19/11 (µg/L)
Zinc (Filtered)	2,000	**2,210**
Zinc (Unfiltered)	2,000	**2,920**
TCL VOCs	Various	<Class GA Values
TCL SVOCs	Various	<Class GA Values
TAL Metals (Filtered and Unfiltered) and Cyanide [2]	Various	<Class GA Values
TCL PCBs	0.09	<Class GA Value
TCL Pesticides	Various	<Class GA Values

Note [2] - Does not include zinc

TRC-SB11 (6-8')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB13 (6-8')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB14 (6-8')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB12 (5-7')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB9 (5-7')	
CONSTITUENT	6/22/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB10 (11-13')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB7 (11-13')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB8 (13.5-15.5')	
CONSTITUENT	6/20/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB28 (9-11')	
CONSTITUENT	6/22/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB27 (6-8')	
CONSTITUENT	6/22/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB30 (6-8')	
CONSTITUENT	6/22/2011
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

TRC-SB31 (11-13')	
CONSTITUENT	6/21/11
TCL VOCs	<Part 375 Industrial SCOs
TCL SVOCs	<Part 375 Industrial SCOs
TAL Metals and Cyanide	<Part 375 Industrial SCOs
TCL PCBs	<Part 375 Industrial SCO
TCL Pesticides	<Part 375 Industrial SCOs

MW-1	
CONSTITUENT	4/18/11
TCL VOCs	<Class GA Values
TCL SVOCs	<Class GA Values
TAL Metals (Filtered and Unfiltered) and Cyanide	<Class GA Values
TCL PCBs	<Class GA Value
TCL Pesticides	<Class GA Values

MW-4	
CONSTITUENT	4/15/11
TCL VOCs	<Class GA Values
TCL SVOCs	<Class GA Values
TAL Metals (Filtered and Unfiltered) and Cyanide	<Class GA Values
TCL PCBs	<Class GA Value
TCL Pesticides	<Class GA Values

TRC-SB4 (12-14" AND 10-12')	
CONSTITUENT	4/19/11
TCL VOCs	<Part 375 Residential SCOs
TCL SVOCs	<Part 375 Residential SCOs
TAL Metals and Cyanide	<Part 375 Residential SCOs
TCL PCBs	<Part 375 Residential SCO
TCL Pesticides	<Part 375 Residential SCOs

TRC-SB3 (2-4' AND 4-6')	
CONSTITUENT	4/18/11
TCL VOCs	<Part 375 Residential SCOs
TCL SVOCs	<Part 375 Residential SCOs
TAL Metals and Cyanide	<Part 375 Residential SCOs
TCL PCBs	<Part 375 Residential SCO
TCL Pesticides	<Part 375 Residential SCOs

TRC-SB2 (6-8" AND 14-16')	
CONSTITUENT	4/18/11
TCL VOCs	<Part 375 Residential SCOs
TCL SVOCs	<Part 375 Residential SCOs
TAL Metals and Cyanide	<Part 375 Residential SCOs
TCL PCBs	<Part 375 Residential SCO
TCL Pesticides	<Part 375 Residential SCOs

TRC-SB3 (2-4")		
CONSTITUENT	PART 375 RESIDENTIAL USE SCO (mg/kg)	4/18/11 (mg/kg)
Mercury (Total)	0.81	**1.7**
TCL VOCs	Various	<Part 375 Residential SCOs
TCL SVOCs	Various	<Part 375 Residential SCOs
TAL Metals and Cyanide [1]	Various	<Part 375 Residential SCOs
TCL PCBs	1	<Part 375 Residential SCO
TCL Pesticides	Various	<Part 375 Residential SCOs

Note [1] - Does not include mercury

TRC-SB1 (6-8" AND 15-17')	
CONSTITUENT	4/18/11
TCL VOCs	<Part 375 Residential SCOs
TCL SVOCs	<Part 375 Residential SCOs
TAL Metals and Cyanide	<Part 375 Residential SCOs
TCL PCBs	<Part 375 Residential SCO
TCL Pesticides	<Part 375 Residential SCOs

WHITTIER AVENUE
KETTELL AVENUE
HUBER PLACE
EDGEWOOD AVENUE
WINFRED AVENUE
ORCHARD STREET
CENTRAL PARK AVENUE
NEW YORK STATE THRUWAY (NORTHBOUND)
NEW YORK STATE THRUWAY (SOUTHBOUND)
PARKING LOT (COMMERCIAL USE)
INDUSTRIAL BUILDING (INDUSTRIAL USE)
PARKING LOT (INDUSTRIAL USE)
PARKING LOT (RESIDENTIAL USE)
RESIDENCE
SIDEWALK
TRC-SB6
TRC-SB5
TRC-SB25
TRC-SB24
TRC-SB23
TRC-SB22
TRC-SB21
TRC-SB20
TRC-SB19
TRC-SB18
TRC-SB17
TRC-SB16
TRC-SB15
TRC-SB14
TRC-SB13
TRC-SB12
TRC-SB11
TRC-SB10
TRC-SB9
TRC-SB8
TRC-SB7
TRC-SB4
TRC-SB3
TRC-SB2
TRC-SB1
TRC-SB29
TRC-SB28
TRC-SB27
TRC-SB30
TRC-SB31
MW-1 204.59'
MW-2 200.66'
MW-3 198.18'
MW-4 201.51'
MW-5 200.43'
201.00
202.00
203.00
204.00
205.00
SOIL SAMPLE DEPTHS IN INCHES OR FEET BGS (TYP.)

LEGEND (SYMBOLS NOT TO SCALE):

- INDUSTRIAL BUILDING BOUNDARY
- VOLUNTARY CLEANUP AGREEMENT SITE BOUNDARY
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES
- 201.00 — GROUNDWATER SURFACE ELEVATION CONTOUR (FEET) APRIL 19, 2011
- MW-X 200.62' — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER AND GROUNDWATER SURFACE ELEVATION (NORTH AMERICAN VERTICAL DATUM 1988)
- TRC-SBX — SOIL SAMPLING LOCATION AND IDENTIFICATION NUMBER
- µg/L — MICROGRAMS PER LITER
- mg/kg — MILLIGRAMS PER KILOGRAM
- µg/kg — MICROGRAMS PER KILOGRAM

NOTES:

1. LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL AND GROUNDWATER SAMPLING PERFORMED BY TRC BETWEEN APRIL AND JUNE 2011.
3. **BOLD** VALUES EXCEED THE CRITERIA.
4. EXCEEDANCES OF NATURALLY OCCURRING IRON, MAGNESIUM, MANGANESE AND SODIUM ARE NOT SHOWN FOR GROUNDWATER RESULTS.
5. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988 HORIZONTAL COORDINATE SYSTEM: NY STATE PLANE
6. THE GROUNDWATER SURFACE ELEVATION FOR MW-3 (THE DEEP ON-SITE PRODUCTION WELL) WAS NOT USED TO GENERATE THE GROUNDWATER SURFACE ELEVATION CONTOURS.
7. SAMPLES COLLECTED FROM TRC-SB15 WERE NOT ANALYZED.

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 8 - Summary of Supplemental Soil and GW Sampling Results and GW Surface Elevation Contours.dwg -- Date\Time: Fri, 21 Oct 2011 -- 11:15am -- User Name: kmyers -- Layout Tab: 24X36

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0 40 80 FT.
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VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
SUMMARY OF SUPPLEMENTAL INVESTIGATIOIN SOIL AND GROUNDWATER SAMPLING RESULTS AND GROUNDWATER SURFACE ELEVATION CONTOURS

FIGURE
8

WHITTIER AVENUE

CENTRAL PARK AVENUE

KETTELL AVENUE

TO SUCTION FANS 3 AND 6 ON ROOF

TO SUCTION FAN 7 ON ROOF

TO SUCTION FAN 1 ON ROOF

TRASH CONTAINER AREAS NO DEPRESSURIZATION

LOADING DOCK AREA NO DEPRESSURIZATION

TO SUCTION FAN 2, 4, 8 ON ROOF

TO SUCTION FAN 5 ON ROOF

PIT 1

PIT 2

LOCKER ROOM/ BATHROOM CELLAR AREA N.T.S.

BOILER ROOM #1 CELLAR AREA N.T.S.

BOILER ROOM #2 CELLAR AREA N.T.S.

PREVAILING WIND DIRECTION

LEGEND:

- APPROXIMATE EXTENT OF ORIGINAL BUILDING (BUILT BEFORE 1953)
- APPROXIMATE EXTENT OF SECOND ADDITION (BUILT c.1958)
- APPROXIMATE EXTENT OF THIRD ADDITION (BUILT c.1974)
- APPROXIMATE EXTENT OF FOURTH ADDITION (BUILT c.1984)
- APPROXIMATE EXTENT OF BASEMENT LEVEL
- ■SPX APPROXIMATE LOCATION DF PERMANENT SUCTION POINT AND IDENTIFICATION NUMBER
- ×MPX–X APPROXIMATE LOCATION OF PERMANENT SUB–SLAB MONITORING POINT AND IDENTIFICATION NUMBER (SYMBOL NOT TO SCALE)
- APPROXIMATE LOCATION OF SUB–SLAB DEPRESSURIZATION SYSTEM (SSDS) PIPING BELOW FIRST FLOOR CEILING. PIPE DIAMETER SHOWN
- APPROXIMATE LOCATION OF SSDS PIPING BELOW FIRST FLOOR SLAB

NOTES:

1. LOCATIONS AND EXTENTS OF CELLAR AREAS ARE APPROXIMATE.

SEAL

STATE OF NEW YORK · JENNIFER ANN DIPLATO · No. 085404-1 · PROFESSIONAL ENGINEER

JENNIFER ANN DIPLATO, PE
NY PE # 085404-1
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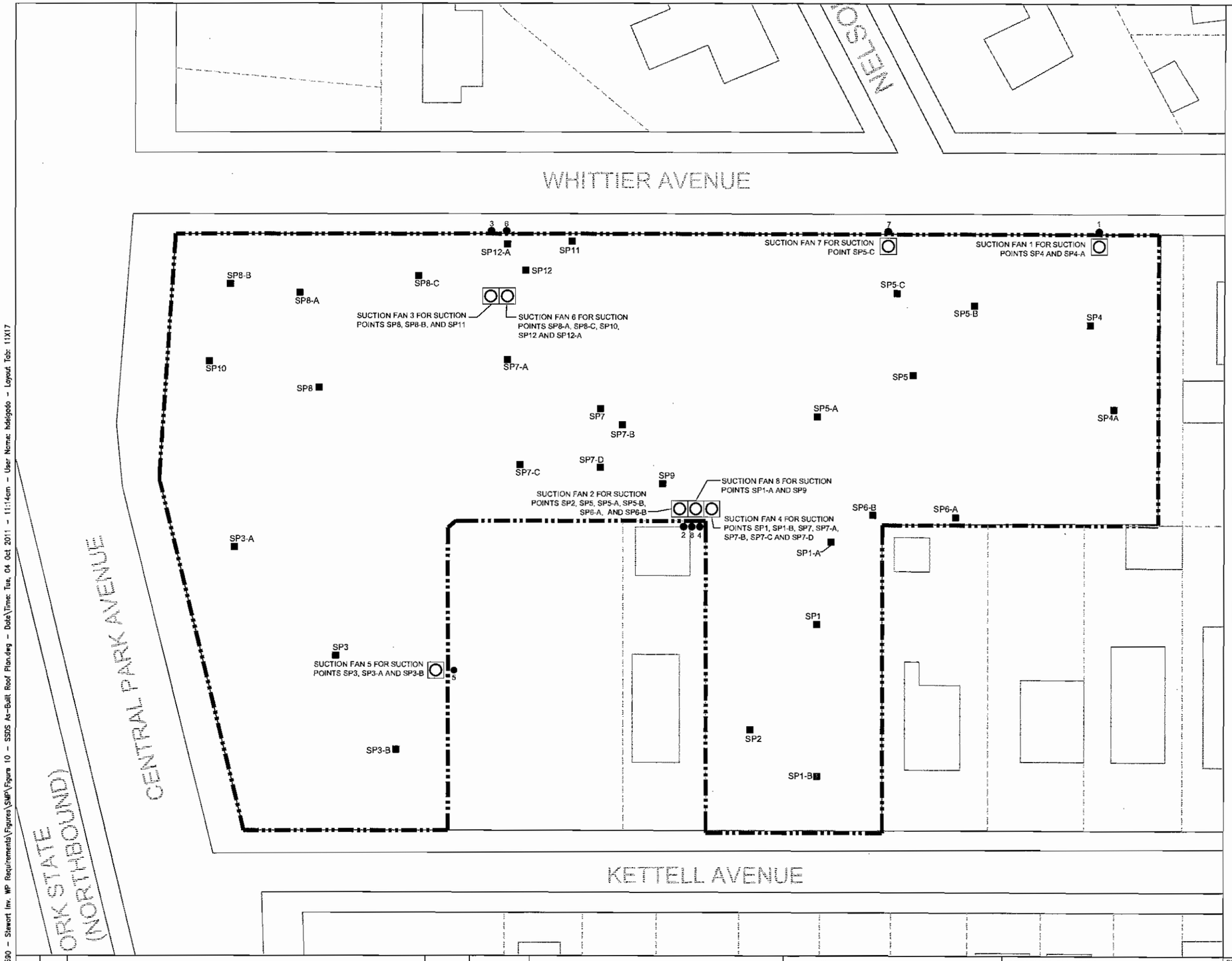
VCP SITE NO. V00891-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
SUB-SLAB DEPRESSURIZATION SYSTEM AS-BUILT PLAN

FIGURE 9



PREVAILING WIND DIRECTION

LEGEND (SYMBOLS NOT TO SCALE):

- STEWART EFI BUILDING BOUNDARY
- X — APPROXIMATE LOCATION OF SSDS VERTICAL RISER TO ROOF AND SUCTION FAN IDENTIFICATION NUMBER
- APPROXIMATE LOCATION OF SSDS EXHAUST STACK
- SPX — APPROXIMATE LOCATION OF SUCTION POINT BELOW SLAB AND IDENTIFICATION NUMBER
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES

SUB-SLAB DEPRESSURIZATION SYSTEM SUCTION FAN SUMMARY

SUCTION FAN	NAME	MODEL	DESIGN FLOW RATE (CFM)	DESIGN VACUUM (IN. WC)
1	CINCINNATTI FAN	HPE	250	29
2	RIETSCHLE	SAH235	90	160
3	CINCINNATTI FAN	HPE-22	330	27
4	BUSCH	SB0530D2	230	140
5	BUSCH	SB0430D	50	134
6	BUSCH	SB0710D	275	95
7	BUSCH	SB0080D	30	50
8	CINCINNATTI FAN	PB-14A	75	10

CFM - CUBIC FEET PER MINUTE
IN. WC - INCHES OF WATER COLUMN

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YONKERS, NEW YORK

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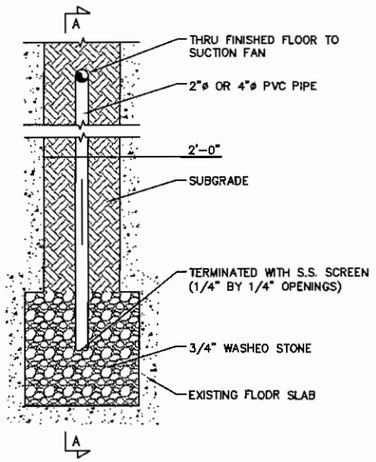
SUB-SLAB DEPRESSURIZATION AS-BUILT ROOF PLAN

DRAWING 10

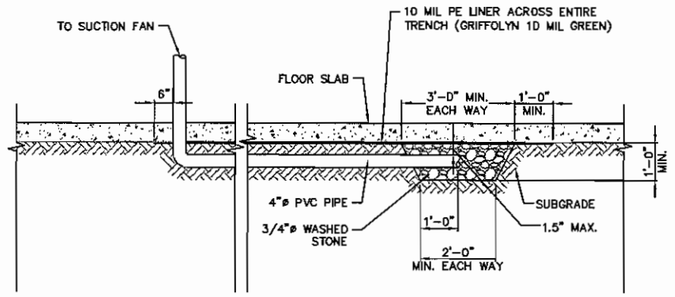
Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 10 - SSDS As-Built Roof Plan.dwg - Date\Time: Tue, 04 Oct 2011 - 11:14am - User Name: hdelgado - Layout Tab: 11X17



SUB-SLAB DEPRESSURIZATION SYSTEM SUCTION POINT PLAN (TYPICAL)

NTS

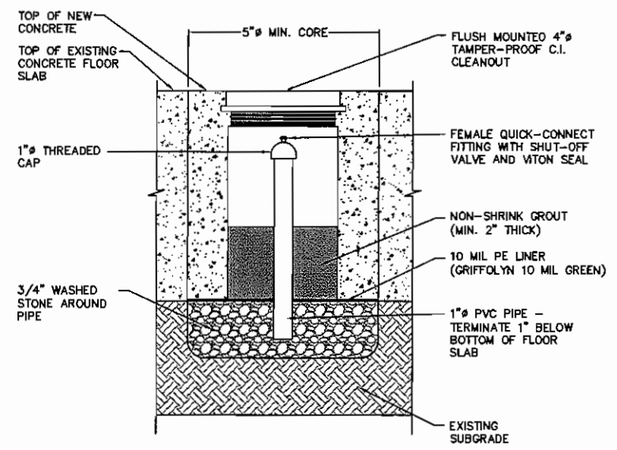
(1)



SUB-SLAB DEPRESSURIZATION SYSTEM SUCTION POINT SECTION A-A'

NTS

(2)



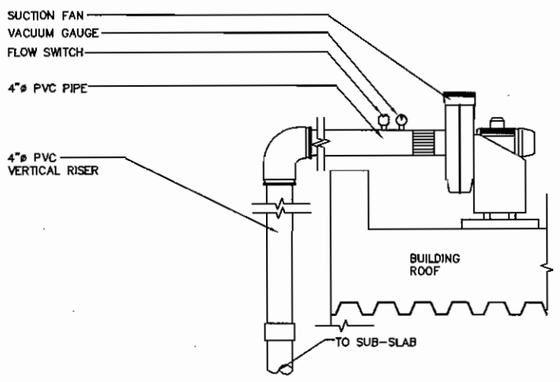
TYPICAL MONITORING POINT DETAIL

NTS

(3)

NOTES:

1. ELECTRICAL WIRING AND EQUIPMENT NOT SHOWN.
2. MUFFLER INSTALLED AT OUTLET OF SUCTION FAN 1.



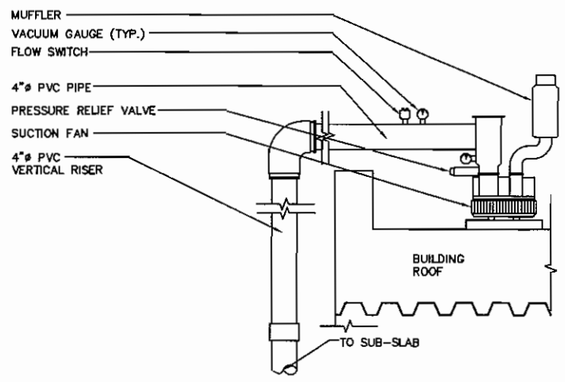
ROOF TOP SUCTION FAN SCHEMATIC SUCTION FANS 1, 3, AND 8

NTS

(4)

NOTES:

1. ELECTRICAL WIRING AND EQUIPMENT NOT SHOWN.



ROOF TOP SUCTION FAN SCHEMATIC SUCTION FANS 2, 4, 5, 6, AND 7

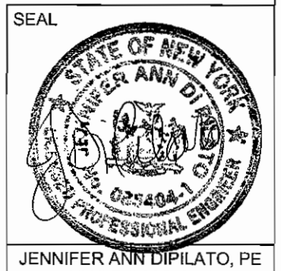
NTS

(5)

GENERAL NOTES:

1. DETAILS ARE TYPICAL.
2. ALL DIMENSIONS ARE APPROXIMATE.

SEAL



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VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
SUB-SLAB DEPRESSURIZATION SYSTEM AS-BUILT DETAILS

FIGURE
11

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB5 (6-8') 4/19/11	TRC-SB5 (10-12') 4/19/11
VOCs	(ug/kg)	(ug/kg)	(ug/kg)
Acetone	50	<SCO	**60**
Metals	(mg/kg)	(mg/kg)	(mg/kg)
Cadmium	2.5	<SCO	**3**
Lead	63	<SCO	**131**
Zinc	109	<SCO	**1,590**
PCBs	(ug/kg)	(ug/kg)	(ug/kg)
Total PCBs	100	**740**	< SCO
Pesticides	(ug/kg)	(ug/kg)	(ug/kg)
4,4'-DDD	3.3	<SCO	**19**
4,4'-DDE	3.3	<SCO	**7.5**
4,4'-DDT	3.3	**59**	**31**
Dieldrin	5	**7.8**	**39**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB6 (6-8') 4/19/11
Metals	(mg/kg)	(mg/kg)
Chromium (total)	30	**33.6**
Pesticides	(ug/kg)	(ug/kg)
4,4'-DDT	3.3	**9.2**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB23 (12-14') 6/21/11	TRC-SB23 (12-14')A 6/21/11
Metals	(mg/kg)	(mg/kg)	(mg/kg)
Arsenic	13	**18.9**	**15.4**
Zinc	109	**126**	**147**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB22 (16-18') 6/22/11
Metals	(mg/kg)	(mg/kg)
Arsenic	13	**22.9**
Zinc	109	**232**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	SS-02 (1.5') 7/23/07	SS-02 (7.5') 7/23/07	SS-02 (13.5') 7/23/07	SS-02 (15.5') 7/23/07
Metals	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Cadmium	2.5	**11.6**	< SCO	**12.2**	**10.2**
Chromium (total)	30	**32.4**	< SCO	**33.8**	< SCO
Copper	50	**175**	**70.9**	**140**	**134**
Lead	63	**145**	**70.9**	< SCO	< SCO
Nickel	30	**44.2**	< SCO	**41.4**	**40.7**
Zinc	109	**511**	**336**	**401**	**289**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB21 (9-11') 6/22/11
Metals	(mg/kg)	(mg/kg)
Arsenic	13	**13.8**
Chromium (total)	30	**34.6**
Zinc	109	**152**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB19 (8.5-10.5') 6/21/11
Metals	(mg/kg)	(mg/kg)
Lead	63	**169**
Mercury (total)	0.18	**0.22**
Zinc	109	**166**
Pesticides	(ug/kg)	(ug/kg)
4,4'-DDT	3.3	**6.3**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB32 (8-10') 6/22/11
VOCs	(ug/kg)	(ug/kg)
Acetone	50	**85**
Metals	(mg/kg)	(mg/kg)
Silver	2	**4.2**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB24 (15-17') 6/21/11
Metals	(mg/kg)	(mg/kg)
Silver	2	**11.5**
Zinc	109	**419**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB25 (14-16') 6/22/11
Metals	(mg/kg)	(mg/kg)
Arsenic	13	**19.8**
Chromium (total)	30	**52.5**
Copper	50	**56.1**
Nickel	30	**33.2**
Zinc	109	**137**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB29 (4-6') 6/22/11
SVOCs	(ug/kg)	(ug/kg)
Benzo(a)anthracene	1,000	**18,000**
Benzo(a)pyrene	1,000	**17,000**
Benzo(b)fluoranthene	1,000	**19,000**
Benzo(k)fluoranthene	800	**9,900**
Chrysene	1,000	**16,000**
Dibenzo(a,h)anthracene	330	**3,000**
Indeno(1,2,3-cd)pyrene	500	**9,900**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	SB-06 (2') 7/18/07
Metals	(mg/kg)	(mg/kg)
Nickel	30	**435**
Silver	2	**15.2**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	SB-07 (0') 7/18/07
VOCs	(ug/kg)	(ug/kg)
2-Butanone (MEK)	120	**200**
Methylene Chloride	50	**110**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB31 (11-13') 6/21/11	TRC-SB31 (11-13')A 6/21/11
Metals	(mg/kg)	(mg/kg)	(mg/kg)
Chromium (total)	30	< SCO	**30.5**
Zinc	109	**110**	**211**
Pesticides	(ug/kg)	(ug/kg)	(ug/kg)
4,4'-DDT	3.3	**4.2**	**4.2**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	SB-05 (9') 7/18/07
VOCs	(ug/kg)	(ug/kg)
Acetone	50	**95**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB14 (6-8') 6/20/11
Pesticides	(ug/kg)	(ug/kg)
4,4'-DDT	3.3	**6.8**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	SB-03 (2') 7/18/07
VOCs	(ug/kg)	(ug/kg)
Acetone	50	**60**
Metals	(mg/kg)	(mg/kg)
Lead	63	**155**
Zinc	109	**110**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB8 (13.5-15.5') 6/20/11
Metals	(mg/kg)	(mg/kg)
Chromium (total)	30	**251**
Nickel	30	**119**
Zinc	109	**258**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	SB-04 (5') 7/18/07
Metals	(mg/kg)	(mg/kg)
Lead	63	**99.6**
Zinc	109	**117**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB3 (2-4') 4/18/11	TRC-SB3 (4-6') 4/18/11
Metals	(mg/kg)	(mg/kg)	(mg/kg)
Lead	63	**152**	< SCO
Mercury (total)	0.18	**1.7**	< SCO
Zinc	109	**123**	< SCO
PCBs	(ug/kg)	(ug/kg)	(ug/kg)
Total PCBs	100	**270**	**800**
Pesticides	(ug/kg)	(ug/kg)	(ug/kg)
4,4'-DDD	3.3	**6.8**	< SCO
4,4'-DDT	3.3	**13**	< SCO
Dieldrin	5	**6.6**	< SCO

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB2 (6-8') 4/18/11	TRC-SB2 (6-8")A 4/18/11
Metals	(mg/kg)	(mg/kg)	(mg/kg)
Lead	63	**119**	**169**
Zinc	109	**161**	**145**
PCBs	(ug/kg)	(ug/kg)	(ug/kg)
Total PCBs	100	**830**	<SCO
Pesticides	(ug/kg)	(ug/kg)	(ug/kg)
4,4'-DDD	3.3	**15**	**6**
4,4'-DDE	3.3	**5.5**	<SCO
4,4'-DDT	3.3	**8.2**	**8.9**

CONSTITUENT	PART 375 UNRESTRICTED USE SCO	TRC-SB1 (6-8') 4/18/11
Metals	(mg/kg)	(mg/kg)
Copper	50	**50.7**
Lead	63	**136**
Zinc	109	**131**
Pesticides	(ug/kg)	(ug/kg)
4,4'-DDD	3.3	**4.4**
4,4'-DDT	3.3	**3.8**

SOIL SAMPLE DEPTHS IN INCHES OR FEET BGS (TYP.)

LEGEND (SYMBOLS NOT TO SCALE):

- INDUSTRIAL BUILDING BOUNDARY
- VOLUNTARY CLEANUP AGREEMENT SITE BOUNDARY
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES
- MW-X — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- TRC-SBX — SOIL SAMPLING LOCATION AND IDENTIFICATION NUMBER
- SB-0X — HISTORIC SOIL SAMPLING LOCATION AND IDENTIFICATION NUMBER
- <SCO — CONSTITUENT NOT DETECTED OR DETECTED AT A CONCENTRATION LOWER THAN PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVE (SCO)
- mg/kg — MILLIGRAMS PER KILOGRAM
- µg/kg — MICROGRAMS PER KILOGRAM

NOTES:

1. **BOLD** VALUES EXCEED THE CRITERIA.
2. DATA QUALIFIERS ARE NOT SHOWN.
3. LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

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VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
SOIL SAMPLING LOCATIONS AND SUMMARY OF EXCEEDANCES OF PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

FIGURE 12

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 12 - Soil Sampling Locations & Summary of Ex. of Part 375 Unrestricted Use SCO.dwg - Date\Time: Fri, 21 Oct 2011 - 11:30am - User Name: kmyers - Layout Tab: 24X36

TRC-SB25 (14-16')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (mg/kg)	6/22/11 (mg/kg)
Arsenic	16	**19.8**

TRC-SB23 (12-14')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (mg/kg)	6/21/11 (mg/kg)
Arsenic	16	**18.9**

TRC-SB22 (16-18')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (mg/kg)	6/21/11 (mg/kg)
Arsenic	16	**22.9**

TRC-SB3 (2-4")		
CONSTITUENT	PART 375 RESIDENTIAL USE SCO (mg/kg)	4/18/11 (mg/kg)
Mercury (Total)	0.81	**1.7**

TRC-SB29 (4-6')		
CONSTITUENT	PART 375 INDUSTRIAL USE SCO (µg/kg)	6/22/11 (µg/kg)
Benzo(a)anthracene	11,000	**18,000**
Benzo(a)pyrene	1,100	**17,000**
Benzo(b)fluoranthene	11,000	**19,000**
Dibenzo(a,h)anthracene	1,100	**3,000**

SOIL SAMPLE DEPTHS IN INCHES OR FEET BGS (TYP.)

LEGEND (SYMBOLS NOT TO SCALE):

- INDUSTRIAL BUILDING BOUNDARY
- VOLUNTARY CLEANUP AGREEMENT SITE BOUNDARY
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES
- MW-X — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- TRC-SBX — SOIL SAMPLING LOCATION AND IDENTIFICATION NUMBER
- SB-0X — HISTORIC SOIL SAMPLING LOCATION AND IDENTIFICATION NUMBER
- <SCO — CONSTITUENT NOT DETECTED OR DETECTED AT A CONCENTRATION LOWER THAN PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVE (SCO)
- mg/kg — MILLIGRAMS PER KILOGRAM
- µg/kg — MICROGRAMS PER KILOGRAM

NOTES:

1. LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. **BOLD** VALUES EXCEED THE CRITERIA.
3. DATA QUALIFIERS ARE NOT SHOWN.

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DRAWING TITLE:
SOIL SAMPLING LOCATIONS AND SUMMARY OF EXCEEDANCES OF PART 375 SPECIFIC-USE SOIL CLEANUP OBJECTIVES

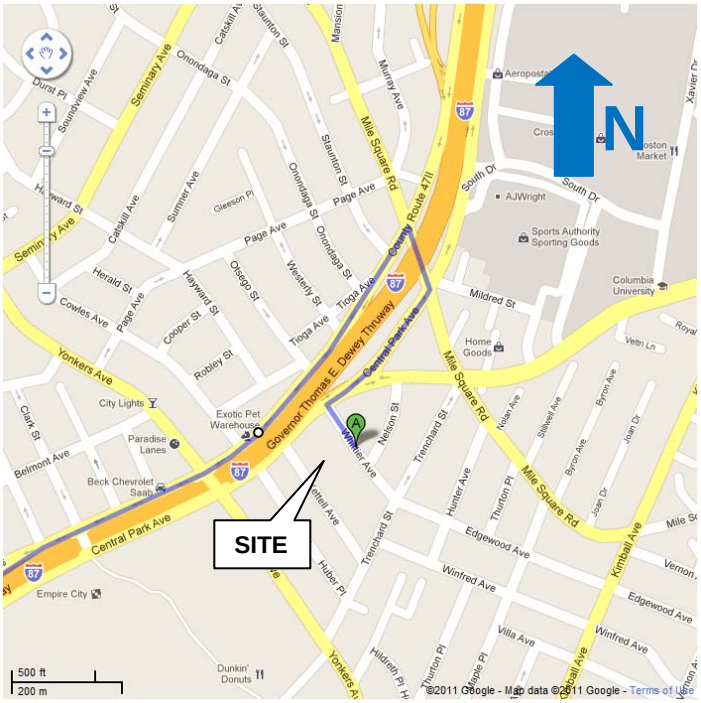
FIGURE
13

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\SMP\Figure 13 - Soil Sampling Locations & Summary of Ex. of Part 375 Use-Specific SCO.dwg - Date\Time: Fri, 21 Oct 2011 - 10:08am - User Name: kmyers - Layout Tab: 11X17

Figure 14

Former Stewart Stamping Site
630 Central Park Avenue, Yonkers, New York 10704
Truck Transport Routes

Truck Route Headed South



Truck Route Headed North

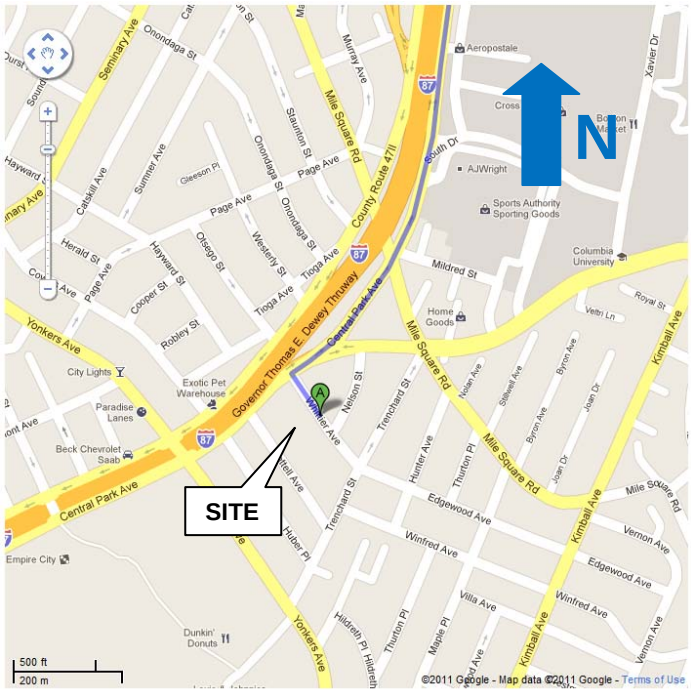
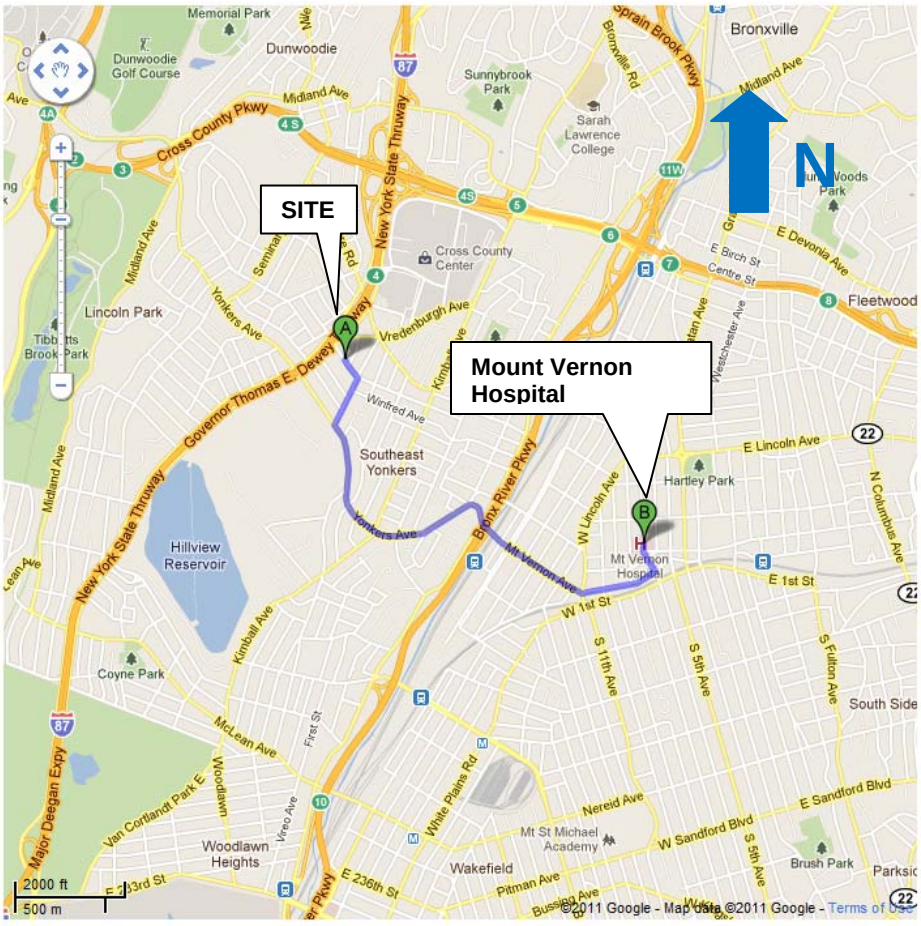


Figure 15

Former Stewart Stamping Site
630 Central Park Avenue, Yonkers, New York 10704
Map of Route from Site to Hospital

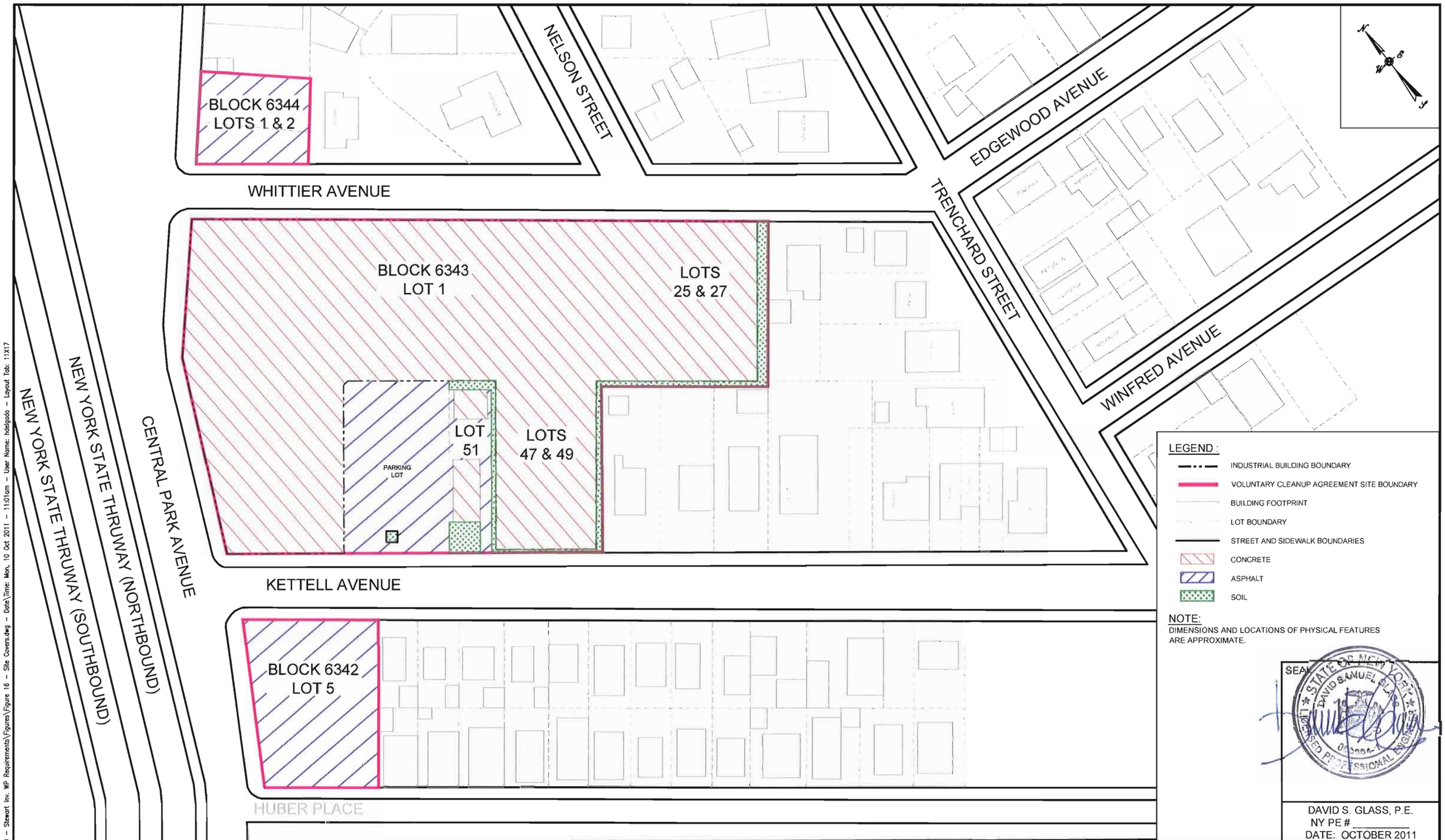
Mount Vernon Hospital Medical Center
Emergency Department Phone: 703-664-7111



Whittier Ave

	1. Head **southeast** on **Whittier Ave** toward **Nelson St**	go 397 ft total 397 ft
↱	2. Take the 1st right onto **Trenchard St** About 1 min	go 0.2 mi total 0.3 mi
↰	3. Turn left onto **Yonkers Ave** About 3 mins	go 1.0 mi total 1.2 mi
	4. Continue onto **Mt Vernon Ave**	go 0.3 mi total 1.5 mi
↰	5. Turn left onto **Stevens Ave** About 1 min	go 0.3 mi total 1.8 mi
↰	6. Turn left onto **W Roosevelt Square**	go 259 ft total 1.9 mi
	7. Continue onto **N 7th Ave** Destination will be on the left	go 285 ft total 1.9 mi

Mount Vernon Hospital
12 North Seventh Avenue, Mount Vernon, New York 10550



LEGEND :

- INDUSTRIAL BUILDING BOUNDARY
- VOLUNTARY CLEANUP AGREEMENT SITE BOUNDARY
- BUILDING FOOTPRINT
- LOT BOUNDARY
- STREET AND SIDEWALK BOUNDARIES
- CONCRETE
- ASPHALT
- SOIL

NOTE:
DIMENSIONS AND LOCATIONS OF PHYSICAL FEATURES ARE APPROXIMATE.

SEAL

DAVID S. GLASS, P.E.
NY PE # _____
DATE: OCTOBER 2011

REVISIONS

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FORMER STEWART STAMPING SITE
VCP SITE NO. V00691-3, VCA INDEX NO. W3-1005-04-06
YONKERS, NEW YORK

DRAWING TITLE:
SITE COVERS

FIGURE
16

Path\Name: I:\Projects\181590 - Stewart Inv. WP Requirements\Figures\Figure 16 - Site Covers.dwg - Date\Time: Mon, 10 Oct 2011 - 11:01am - User Name: hdelgado - Layout Tab: 11X17

Appendix A
Excavation Work Plan

FORMER STEWART STAMPING SITE
630 CENTRAL PARK AVENUE
YONKERS, NEW YORK 10704

APPENDIX A
EXCAVATION WORK PLAN

NYSDEC VCP Site Number: V00691-3
NYSDEC VCA Index Number: W3-1005-04-06

October 21, 2011

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A-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the Site owner or their representative will notify the New York State Department of Environmental Conservation (NYSDEC). Currently, this notification will be made to:

Janet E. Brown, P.E.
Project Manager
NYSDEC, Region 3
21 South Putt Corners Road
New Paltz, NY 12561
(845) 256-3826

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent, plans for Site re-grading, intrusive elements or utilities to be installed below the Site cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this Excavation Work Plan (EWP);
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the contractor's Health and Safety Plan (HASP), in electronic format. An outline of the requirements of the HASP are included in Appendix D of the Site Management Plan (SMP);
- Identification of disposal facilities for potential waste streams; and,
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

A-2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based soil screening will be performed by a qualified environmental professional during all remedial and development excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work

performed during development, such as excavations for foundations and utility work, after issuance of the "No Further Action Letter".

Soils will be segregated based on previous environmental data and screening results into material that requires off-Site disposal, material that requires testing, material that can be returned to the subsurface, and material that can be used as cover soil.

A-3 STOCKPILE METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.

A-4 MATERIALS EXCAVATION AND LOAD OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and its contractors are solely responsible for safe execution of all invasive and other work performed under this EWP.

The presence of utilities and easements on the Site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this EWP is posed by utilities or easements on the Site.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and New York Stated Department of Transportation (NYSDOT) requirements (and all other applicable transportation requirements).

A truck wash/decontamination area will be operated on-Site. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be decontaminated before leaving the Site until the activities performed under this section are complete.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-Site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the Site are clean of soil and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

A-5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 New York Code of Rules and Regulations (NYCRR) Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

All trucks will be washed prior to leaving the Site. Truck wash waters will be collected and disposed of off-Site in an appropriate manner.

Truck transport routes are shown on Figure 14 of the SMP. All trucks loaded with Site materials will exit the vicinity of the Site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive Sites; (b) use of city mapped truck routes; (c) prohibiting off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site.

Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development.

Queuing of trucks will be performed on-Site, if possible, in order to minimize off-Site disturbance.

A-6 MATERIALS DISPOSAL OFF-SITE

All soil/fill/solid waste excavated and removed from the Site will be treated as contaminated and/or regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this Site is proposed for unregulated off-Site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-Site management of materials from this Site will not occur without formal NYSDEC approval.

Off-Site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, construction and demolition debris (C/D) recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-Site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Track 1 Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

A-7 MATERIALS REUSE ON-SITE

Chemical criteria for on-Site reuse of material have been approved by NYSDEC and are listed in Table 9 of the SMP. Excavated soil designated for on-Site reuse will be sampled for the parameters identified in Table 9 of the SMP and will be sampled at the frequency identified in DER-10 Table 5.4(e) (10). The qualified environmental professional will ensure that procedures defined for materials reuse in this EWP are followed and that unacceptable material does not remain on-Site. Contaminated on-Site material, including historic fill and contaminated soil, that is acceptable for re-use on-Site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Any demolition material proposed for reuse on-Site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-Site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site will not be reused on-Site.

A-8 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including excavation dewatering and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the Site, but will be managed off-Site.

Discharge of water generated during large-scale construction activities to surface waters (i.e., a local pond, stream or river) will be performed under a State Pollutant Discharge Elimination System (SPDES) permit.

A-9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities, the cover system will be restored. A demarcation layer, consisting of orange snow fencing material or equivalent material will be placed to provide a visual reference to the top of the 'Remaining Contamination Zone', the zone that requires adherence to special conditions for disturbance of remaining contaminated soils. If the portion of the Site that is disturbed will no longer be covered with impervious surface (i.e., concrete, asphalt, building foundation) a minimum of two feet of soil/fill, which meets the criteria described in Section A-10, must be placed above the demarcation layer.

If the type of cover system changes from that which exists prior to the excavation (i.e., a Site cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the 'Remaining Contamination'. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in any updates to the Site Management Plan.

A-10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the Site will be approved by the qualified environmental professional and will be in compliance with provisions in this EWP prior to receipt at the Site. Prior to acceptance of fill material, the procedures described below will be followed to verify the acceptability of the source. History of fill material source properties will be determined using historical Sanborn Fire Insurance Maps, if available, and by performing a site visit. Other sources of historical information that may be reviewed include aerial photographs, environmental database review, and/or interviews of knowledgeable persons.

Material from industrial Sites, spill Sites, or other environmental remediation Sites or potentially contaminated Sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in Appendix 5 of DER-10. Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards are listed in Table 10 of the SMP. Soil designated for import to the Site will be sampled for the parameters identified in

Table 10 of the SMP and will be sampled at the frequency identified in DER-10 Table 5.4(e) (10). The following table summarizes the frequency of the samples to be collected for imported material.

Table A-1
Number of Samples to be Collected for Imported Material

Sampling Parameter	TCL VOCs	TCL SVOCs, TCL PCBs, TCL pesticides/herbicides, and TAL Metals
Soil Quantity (Cubic Yards)	**Grab**	**Five-point Composite**
0-50	1	1
50-100	2	1
100-200	3	1
200-300	4	1
300-400	4	2
400-500	5	2
500-800	6	2
800-1,000	7	2
> 1,000 cubic yards	Add two additional VOC grab samples and one five-point composite sample for each additional 1,000 cubic yards or propose a lesser frequency of testing for NYSDEC approval	

If, based on the initial analytical results, the material is suitable for import, a lesser frequency of testing may be proposed to the NYSDEC for approval on a case-by-case basis.

Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Solid waste will not be imported onto the Site.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

A-11 STORMWATER POLLUTION PREVENTION

Excavation and/or construction activities that disturb more than 1 acre of soil will be conducted in accordance with the requirements of the most current version of the applicable NYSDEC SPDES General Permit for Storm Water Discharges from Construction Activity ("General Permit" or "GP"). Disturbance of more than 1 acre will be conducted under a Storm Water Pollution Prevention Plan (SWPPP).

Excavation activities, if necessary, will include the following erosion prevention measures:

- Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC. All necessary repairs shall be made immediately.
- Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.
- All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.
- Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.
- Erosion and sediment control measures identified in the EWP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.
- Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

A-12 CONTINGENCY PLAN

If underground storage tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes [Target Analyte List (TAL) metals; Target Compound List (TCL) volatiles and semivolatiles, TCL pesticides and polychlorinated biphenyls (PCBs)], unless the Site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will also be included in the periodic reports prepared pursuant to Section 5 of the SMP.

A-13 COMMUNITY AIR MONITORING PLAN

During soil disturbing activities the generic Community Air Monitoring Plan (CAMP) (Appendix 1A of NYSDEC DER-10 and Appendix D of the SMP) must be implemented. Exceedances of action levels listed in the CAMP will be reported to NYSDEC and New York State Department of Health (NYSDOH) Project Managers.

A-14 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-Site. Based on previous investigations, odorous soils are not anticipated. If odorous material is encountered the following procedures will be used. If nuisance odors are identified at the Site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the property owner's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-Site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-Site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

A-15 DUST CONTROL PLAN

A dust suppression plan that addresses dust management during invasive on-Site work will include, at a minimum, the items listed below:

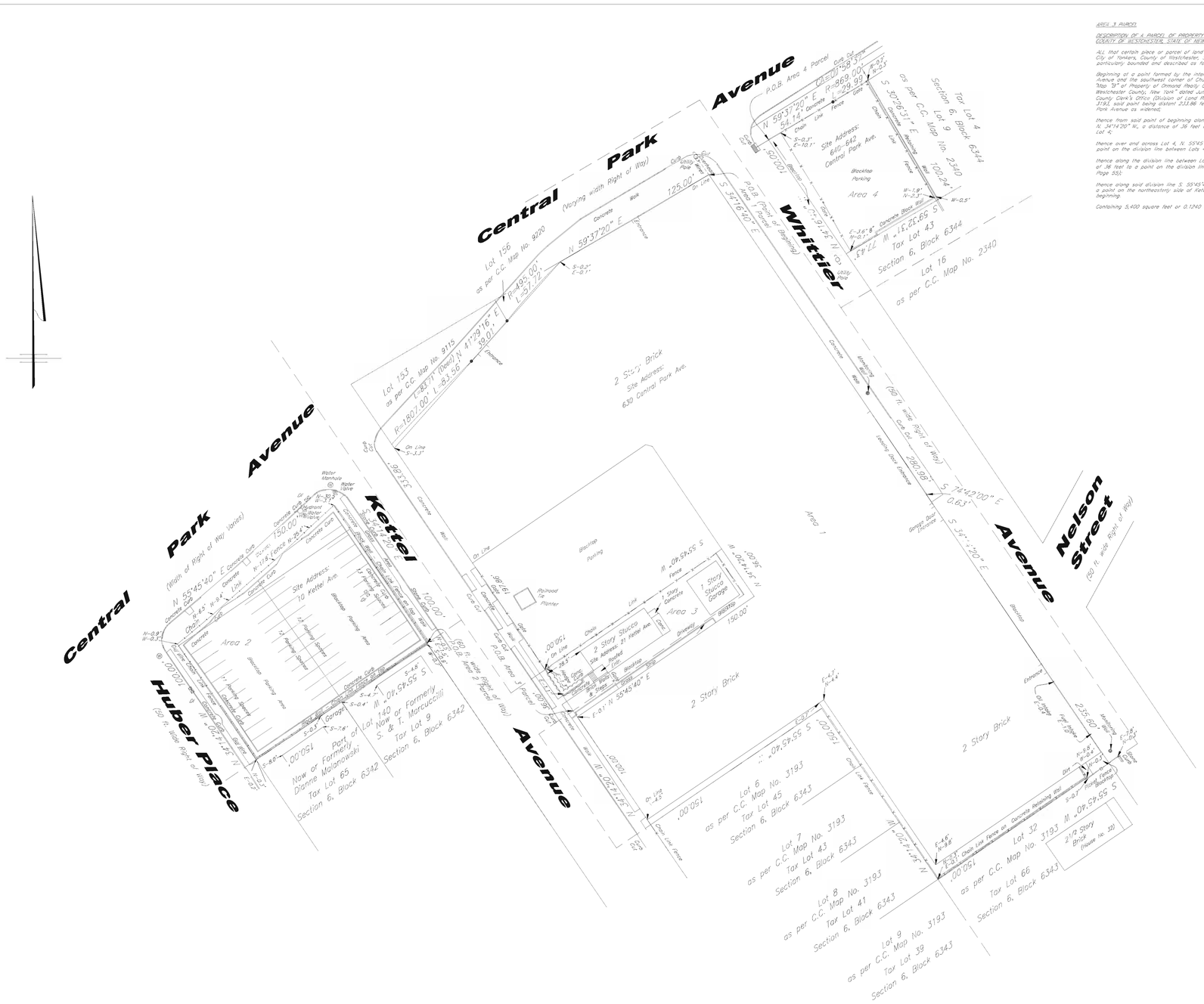
- Dust suppression will be achieved through the use of an on-Site water truck or other means for road wetting. The truck may be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger Sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-Site roads will be limited in total area to minimize the area required for water truck sprinkling.

A-16 OTHER NUISANCES

A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

Appendix B
Metes and Bounds and Deed Restriction



AREA 3 PARCEL

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

ALL that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the intersection of the northeasterly side of Kettel Avenue and the southwest corner of Church parcel as shown on a map entitled "Map "3" of Property of Ormand Realty Company situated in the City of Yonkers, Westchester County, New York" dated June 22, 1927 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 12, 1927 as Map No. 3193, said point being distant 233.86 feet from the southeasterly side of Central Park Avenue;

thence from said point of beginning along said northeasterly side of Kettel Avenue, N. 34°14'20" W., a distance of 36 feet to a point on the southeasterly side of Lot 4;

thence over and across Lot 4, N. 55°45'40" E., a distance of 150.00 feet to a point on the division line between Lots 4 and 38;

thence along the division line between Lots 4 and 38, S. 34°14'20" E., a distance of 36 feet to a point on the division line between Lot 4 and Lot 183 (Volume 9, Page 55);

thence along said division line S. 55°45'40" W., a distance of 150.00 feet to a point on the northeasterly side of Kettel Avenue, the point and place of beginning.

Containing 5,400 square feet or 0.1240 acres, more or less.

AREA 2 PARCEL

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

ALL that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the intersection of the division line between Lots 1,35, 140 and the southwesterly side of Kettel Avenue (formerly Arlington Avenue) as shown on a map entitled "Map Showing Subdivision of Property Belonging to Nathaniel B. Charles C. and James L. Valentine in the City of Yonkers, N.Y." made by Thomas Stratford, C.E., dated July 29, 1891 and filed in the Westchester County Clerk's Office (Division of Land Records) on Nov. 17, 1891 in Map Volume 9, Page 55, said point being distant 190.41 feet more or less southeasterly from the corner formed by the intersection of the southwesterly side of Kettel Avenue (formerly Arlington Avenue) with the southeasterly side of Central Park Avenue;

running thence from said point of beginning along said division line between Lots 1,39 and 140, S. 55°45'40" W., a distance of 150.00 feet to a point on the northeasterly side of Huber Place as shown on a map entitled "Map of 44 Lots, Belonging to Genuw Construction Corporation, formerly Property of George H. Huber, situated between Yonkers Ave., Ashburton Ave., Central Park Ave. and Trenchard St., Yonkers, N.Y." made by Earl B. Lovell, Civil Engineer & City Surveyor, dated June 30, 1920 and filed in the Westchester County Clerk's Office (Division of Land Records) on July 24, 1920 as Map No. 2760, said point being distant northwesterly 150.00 feet from the northeast corner of Lot 9 on said Map No. 2760;

thence along said northeasterly side of Huber Place, N. 34°14'20" W., a distance of 100.00 feet to a point on the southeasterly side of Central Park Avenue as widened;

thence along the southeasterly side of Central Park Avenue as widened and along the southeasterly side of Parcel 146 as shown on a map entitled "N.Y.S. thruway Southern Westchester Connection Subdivision No. 11, Map No. 74, Parcel Nos. 146, 147 and 148" dated Feb. 5, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 27, 1953 as Map No. 8358 and along the southeasterly side of Parcel 149 as shown on a map entitled "N.Y.S. thruway Southern Westchester Connection Subdivision No. 11, Map No. 75, Parcel Nos. 149 and 150" dated Feb. 5, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 27, 1953 as Map No. 8359, N. 55°45'40" E., a distance of 150.00 feet to a point on the southwesterly side of Kettel Avenue (formerly Arlington Avenue);

thence along the southwesterly side of Kettel Avenue (formerly Arlington Avenue), S. 34°14'20" E., a distance of 100.00 feet to the division line between Lots 139 and 140 as shown on the aforesaid filed Map Volume 9, Page 55, the point and place of BEGINNING.

Containing 15,000 square feet or 0.3443 acres, more or less.

AREA 4 PARCEL

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

ALL that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the intersection of the northeasterly side of Whittier Avenue, the southeasterly side of Central Park Avenue and the northwest corner of Lot 12 in Block 19 as shown on a map entitled "Section One, Map Showing Subdivision of Property belonging to Estate of James Gordon Bennett, situated on Central Park Ave., Seminary Ave., Wredenburgh Ave., Yonkers Avenue, Trenchard St. & Mile Square Road, City of Yonkers, N.Y. made by Alaric Lyons, C.E., 34 Warburton Ave., Yonkers, N.Y." dated June 29, 1927 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 16, 1927 as Map No. 2340;

thence from said point of beginning along the southeasterly side of Central Park Avenue, N. 59°37'20" E., a distance of 54.14 feet;

thence northeastly, a distance of 29.99 feet along a curve to the left having a radius of 869.00 feet and a central angle of 01°58'37" to a point on the division line between Lots 9 and 10, Block 19 as shown on the aforesaid filed Map No. 2340;

thence along said division line, S. 30°26'31" E., a distance of 100.23 feet to the northwesterly side of Lot 16, Block 19;

thence along the division line between Lot 16 and Lots 10, 11 and 12, Block 19, S. 59°37'37" W., a distance of 77.43 feet to a point on the northeasterly side of Whittier Avenue;

thence along said southeasterly side of Whittier Avenue and the southeasterly side of Lot 12, N. 34°16'40" W., a distance of 100.05 feet to the southeasterly side of Central Park Avenue as shown on the aforesaid filed Map No. 2340, the point and place of BEGINNING.

Containing 8,064 square feet or 0.1851 acres, more or less.

AREA 1 PARCEL

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

ALL that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the intersection of the southwesterly side of Whittier Avenue, the southeasterly side of Central Park Avenue and the northeast corner of Lot 1 in Block 20 as shown on a map entitled "Section One, Map Showing Subdivision of Property belonging to Estate of James Gordon Bennett, situated on Central Park Ave., Seminary Ave., Wredenburgh Ave., Yonkers Avenue, Trenchard St. & Mile Square Road, City of Yonkers, N.Y. made by Alaric Lyons, C.E., 34 Warburton Ave., Yonkers, N.Y." dated June 29, 1927 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 16, 1927 as Map No. 2340;

running thence from said point of beginning along the southeasterly side of Whittier Avenue, and along the northeasterly side of Lots 1, 9 through 12 inclusive, S. 34°16'40" E., a distance of 280.98 feet to a point on the division line between the southerly end of the herein described Map No. 2340 and the northerly side of Lot 31 as shown on a map entitled "Map "3" of Property of Ormand Realty Company situated in the City of Yonkers, Westchester County, New York" dated June 22, 1927 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 12, 1927 as Map No. 3193;

thence continuing along the southeasterly side of Whittier Avenue and along the northeasterly side of Lots 31 through 27 inclusive the following two courses and distances:

N. 74°42'00" W., a distance of 0.63 feet;

thence S. 34°14'20" E., a distance of 235.60 feet to a point on the division line between Lots 32 and 33 as shown on the aforesaid filed Map No. 3193;

thence along said division line, S. 55°45'40" W., a distance of 150.00 feet to a point on the division line between Lots 8 and 9;

thence along the northerly side of Lots 5 through 8, N. 34°14'20" W., a distance of 150.00 feet to a point on the division line between Lots 5 and 6;

thence along said division line, S. 55°45'40" W., a distance of 150.00 feet to a point on the northeasterly side of Kettel Avenue;

thence along the northeasterly side of Kettel Avenue and the southeasterly side of Lots 5 and 182 as shown on Map Volume 9 Page 55, N. 34°14'20" W., a distance of 100.00 feet to a point on the division line between Lots 139 and 140 as shown on Map No. 3193;

thence along said division line N. 55°45'40" E., a distance of 150.00 feet to a point on the division line between Lot 4 and Lot 38;

thence along said division line between Lot 4 and Lot 38, S. 34°14'20" W., a distance of 36 feet to a point;

thence over and across Lot 4, S. 55°45'40" W., a distance of 150.00 feet to a point on the northerly side of Kettel Avenue;

thence along said northerly side of Kettel Avenue, N. 34°14'20" W., a distance of 19.86 feet to a point on the southeasterly side of Central Park Avenue as widened;

thence along the southeasterly side of Central Park Avenue as widened and along the southeasterly side of Parcel 153 as shown on a map entitled "N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11, Map No. 76, Parcel Nos. 152 and 153" dated May 25, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on June 8, 1954 as Map No. 9715 northwesterly, a distance of 83.49 feet along a non-tangent curve to the right of which the radius point lies S. 47°51'37" E. a radius of 1,807.00 feet, and having a central angle of 02°38'50";

thence N. 41°29'16" E., a distance of 39.01 feet;

thence northeasterly along the southeasterly side of Central Park Avenue as widened and along the southeasterly side of Parcel 156 as shown on a map entitled "N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11, Map No. 77, Parcel Nos. 155 and 156" dated Jan. 6, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on July 20, 1954 as Map No. 9220, a distance of 57.72 feet along a non tangent curve to the right of which the radius point lies S. 51°21'05" E. a radius of 495.00 feet, and having a central angle of 06°40'53";

thence along the southeasterly side of Central Park Avenue and along the northeasterly side of Lots 1 through 5 inclusive as shown on the aforesaid filed Map No. 2340, N. 59°37'20" E., a distance of 125.00 feet to the southwesterly side of Whittier Avenue, the point and place of BEGINNING.

Containing 125,381 square feet or 2.8784 acres, more or less.

ALTA/ACSM Land Title Survey
prepared for
Stewart EFI NY LLC
in the City of
Yonkers
Westchester County, N.Y.
Scale 1"=40' July 3, 2008

Survey brought to date and certification added Sept. 19, 2009.
Survey brought to date and certification added Oct. 6, 2010.

The premises being Block 20, Lots 1 through 5, 9 through 12 and part of Lots 6 through 8, Block 19 Lots 10 through 12 as shown on a map entitled "Section One Map Showing Subdivision of Property belonging to Estate of James Gordon Bennett" filed Aug. 16, 1927 as County Clerk Map No. 2340; Lots 1 through 5 and 33 through 40 as shown on a map entitled "Map 3 of Property of Ormand Realty Company" dated June 22, 1927 and filed Aug. 12, 1927 as County Clerk Map No. 3193; together with Lot 182 as shown in Volume 9 Page 55 of Maps filed in the County Clerk's Office; Lot 152 as shown on a map entitled " N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11 Map No. 76 Parcel No. 152 & 153" dated May 25, 1953 and filed June 8, 1954 as County Clerk Map No. 9715 and Lot 155 as shown on a map entitled "N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11 Map No. 77 Parcel No. 155 & 156" dated Jan. 6, 1953 and filed July 20, 1954 as County Clerk Map No. 9220; together with Tax Lot 5, Block 6342, Section 6 as shown on the official Tax Assessment Maps of the City of Yonkers.

Certified to Lawyers Title Insurance Corporation, Keppler Title Agency LLC and to 630 Noam LLC.

To: Stewart EFI NY, LLC, 630 Noam LLC, New York State;

This is to certify that this map or plat and the survey on which it is based were made in accordance with "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA/ACSM and NSPS in 2005, and includes items 4, 8, 9, 10, 13 and 14 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA, NSPS and ACSM and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the State of New York, the Relative Positional Accuracy of this survey does not exceed that which is specified therein.

Date _____

_____
William H. Free Jr., Senior Vice President
New York State License No. 049970

Ward Carpenter Engineers Inc.
76 Mamaroneck Avenue
White Plains, N.Y. 10601
Tel. No. 914-949-6000

Lot Area - West Parking Lot = 15,000 sq. ft. or 0.3444 acres
Lot Area - East Parking Lot = 8,064 sq. ft. or 0.1851 acres
Lot Area - Building Lot = 130,781 sq. ft. or 3.0023 acres

Total Area = 153,845 sq. ft. or 3.5318 acres

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

Subsurface structures and their encroachments, if any exist, are not shown hereon.

"Unauthorized alterations or additions to a survey map is a violation of section 7209, sub-division 2, of the New York State Education Law."

"Only copies of the original survey marked with the land surveyor's inked or embossed seal shall be considered a true and valid copy."

"Certifications indicated hereon signify that this survey was prepared in accordance with the existing code of practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors. Said certifications shall run to the person for whom the survey is prepared only, and on his behalf to the Title Company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS."

Office of the Westchester County Clerk

20110701000670010013

Payment Cover Page

Submitter Information

Name:	Ralph Celone	Phone:	860-283-8213
Address 1:	45 Old Waterbury Road	Fax:	860-283-2526
Address 2:		Email:	rcelone@stewartefi.com
City/State/Zip:	Thomaston CT 06787	Reference for Submitter:	630 Central Park Ave Deed Restrictions

Payment Due

Total

Stewart EFI

Stewart EFI, LLC Operating Acct.
45 Old Waterbury Road
Thomaston, Connecticut 06787

EXPLANATION	AMOUNT

51-7218
2211

№ 10550960

MOUNT _____ DOLLARS

SECURITY FEATURES INCLUDED. DETAILS ON BACK

DATE	TO THE ORDER OF	DESCRIPTION	CHECK NO.	CHECK AMOUNT
6/11	Westchester County Clerk,	Deed restriction filing fee	1055 0960	$ 105.00

STEWART EFI, LLC OPERATING ACCOUNT

AUTHORIZED SIGNATURE

people's bank

⑈10550960⑈ ⑆221172186⑆ 092 7008800⑈

Total Amount : **$105.00**

TIMOTHY C. IDONI
WESTCHESTER COUNTY CLERK

11 JUL -6 AM 7:58

RECEIVED

The Office of the Westchester County Clerk This page is part of the instrument, the County Clerk will rely on the information provided on this page for purposes of indexing this instrument To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document

511873387DLR0017

Westchester County Recording & Endorsement Page

Prepared: 7/6/2011 3:03:42 PM

Submitter Information

Name:	Ralph Celone	Phone:	860-283-8213
Address 1:	45 Old Waterbury Road	Fax:	860-283-2526
Address 2:		Email:	rcelone@stewartefi.com
City/State/Zip:	Thomaston CT 06787	Reference for Submitter:	630 Central Park Ave Deed Restrictions

Document Details

Control Number: **511873387** Document Type: **Declaration (DLR)**

Package ID: 2011070100067001001 Document Page Count: **12** Total Page Count: **14**

Parties

☐ Additional Parties on Continuation page

1st PARTY		2nd PARTY	
1: DANIEL STOKES	- Other	1: DANIEL STOKES	- Other
2:		2:	

Property

☑ Additional Properties on Continuation page

Street Address: 630 CENTRAL PARK AVENUE Tax Designation: 6-6343-1

City/Town: YONKERS Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1 2: 3: 4:

Supporting Documents

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$65.00
Cross-Reference Fee:	$0.00
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$0.00
TP-584 Filing Fee:	$0.00
Total Recording Fees Paid:	**$105.00**

Transfer Taxes

Consideration:	$0.00
Transfer Tax:	$0.00
Mansion Tax:	$0.00
Transfer Tax Number:	

Mortgage Taxes

Document Date:	
Mortgage Amount:	$0.00
Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

Record and Return To

☑ Pick-up at County Clerk's office

Ralph Celone
Stewart EFI
45 Old Waterbury Road
Thomaston, CT 06787

The Office of the Westchester County Clerk This page is part of the instrument, the County Clerk will rely on the information provided on this page for purposes of indexing this instrument To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document

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Package ID: 2011070100067001001

Document Page Count: 12

Total Page Count: 14

Properties Addendum

34 WHITTIER AVENUE 10704	YONKERS	6 6343 25
34 WHITTIER AVENUE 10704	YONKERS	6 6343 27
27 KETTEL AVENUE 10704	YONKERS	6 6343 47
27 KETTEL AVENUE 10704	YONKERS	6 6343 49
21 KETTEL AVENUE 10704	YONKERS	6 6343 51
10 KETTEL AVENUE 10704	YONKERS	6 6342 5
640-642 CENTRAL PARK AVENUE 10704	YONKERS	6 6344 1
640-642 CENTRAL PARK AVENUE 10704	YONKERS	6 6344 2

Office of the Westchester County Clerk

201107010006700100 13

Payment Cover Page

Submitter Information

Name:	Ralph Celone	Phone:	860-283-8213
Address 1:	45 Old Waterbury Road	Fax:	860-283-2526
Address 2:		Email:	rcelone@stewartefi.com
City/State/Zip:	Thomaston CT 06787	Reference for Submitter:	630 Central Park Ave Deed Restrictions

Payment Due

Control Number	Document Type	Fees	Transfer Tax	Mortgage Tax	Total
511873387	Declaration (DLR)	$105.00	$0.00	$0.00	$105.00
				Total Due :	**$105.00**

Payment Details

Fees	CHECK # 10550960 (Check, Uncertified)	PENDING	$105.00
		Total Amount :	**$105.00**

Office of the Westchester County Clerk

201107010006700100 13

Payment Cover Page

Submitter Information

Name:	Ralph Celone	Phone:	860-283-8213
Address 1:	45 Old Waterbury Road	Fax:	860-283-2526
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Payment Due

Control Number	Document Type	Fees	Transfer Tax	Mortgage Tax	Total
511873387	Declaration (DLR)	$105.00	$0.00	$0.00	$105.00
				Total Due :	**$105.00**

Payment Details

Fees	CHECK # 10550960 (Check, Uncertified)	PENDING	$105.00
		Total Amount :	**$105.00**

DECLARATION OF COVENANTS AND RESTRICTIONS

THIS DECLARATION OF COVENANTS AND RESTRICTIONS is made the 30th day of June, 2011, by Stewart EFI New York, LLC ("Stewart EFI"), a Connecticut limited liability company, having an office at 45 Old Waterbury Road, Thomaston, CT 06787.

WHEREAS, Stewart EFI is the owner of the parcels of real property located at 630 Central Park Avenue, more specifically described as Tax Map Section 6, Block 6343 Lot 1; 34 Whittier Avenue, more specifically described as Tax Map Section 6, Block 6343 Lots 25 and 27; 27 Kettel Avenue, more specifically described as Tax Map Section 6, Block 6343 Lots 47 and 49; 21 Kettel Avenue, more specifically described as Tax Map Section 6, Block 6343, Lot 51; 10 Kettel Avenue, more specifically described as Tax Map Section 6, Block 6342, Lot 5; and 640-642 Central Park Avenue, more specifically described as Tax Map Section 6, Block 6344, Lots 1 and 2, all being in Yonkers, Westchester County, New York (the "Site" or the "Property"), and shown on the survey map attached hereto as Exhibit A;

WHEREAS, Stewart EFI is participating in the New York State Department of Environmental Conservation's (the "Department's") Voluntary Cleanup Program with respect to the Property; and

WHEREAS, the Property, designated as Site No. V-00691-3, is the subject of Voluntary Cleanup Agreement, Index No.W3-1005-04-06, effective date July 6, 2004 and any amendments thereto (the "Agreement"); and

WHEREAS, Stewart EFI's investigative and remedial activities on the Site are subject to the Agreement; and

WHEREAS, Stewart EFI has committed to complete its obligations under the Agreement to address the environmental contamination at the Site, including but not limited to, the submission of reports, the development and implementation of required work plans, submission of revisions of such documents to satisfactorily address the Department's comments, and implementation of additional sampling of environmental media on the Property as may be required; and

WHEREAS, Site investigation activities to date have indicated elevated sub-slab vapor concentrations such that building mitigation is warranted in the former manufacturing facility located at 630 Central Park Avenue, 34 Whittier Avenue and 27 Kettel Avenue (Tax Map section 6, Block 6343, Lots 1, 25, 27, 47, and 49) to prevent potential exposures via soil vapor intrusion in the building; and

WHEREAS, Stewart EFI has installed and is operating a sub-slab depressurization system ("SSDS") in the building located on Block 6343 Lots 1, 25, 27, 47, and 49 pursuant to a Department approved Interim Remedial Measure ("IRM") work plan dated June 18, 2010, in order to mitigate potential exposure via soil vapor intrusion; and

WHEREAS, upon completion of the Remedial Investigation/Remedial Action Selection Report, Stewart EFI pursuant to the Agreement will propose a remedy for the Department's approval that eliminates or mitigates all significant threats to human health and the environment presented by the contamination disposed at the Property and which will allow for the restricted uses of the Property as set forth below (the "Department-approved remedy"); and

WHEREAS, Stewart EFI will implement the Department-approved remedy pursuant to the Agreement and in accordance with Department-approved Remedial Action Work Plan; and

NOW, THEREFORE, Stewart EFI New York, LLC, for itself and its successor and/or assigns, covenants that:

First, the Property subject to this Declaration of Covenants and Restrictions, is as shown on the survey map attached hereto as Exhibit "A" and made part hereof, and consists of the parcels of land, in the City of Yonkers, County of Westchester, State of New York, together with the building and improvements thereon or hereafter erected, identified as Tax Map Section 6, Block 6342 Lot 5, Block 6343 Lots 1, 25, 27, 47, 49 and 51, and Block 6344, Lots 1 and 2, and is more particularly bounded and described in the Metes and Bounds attached hereto as Exhibit "B".

Second, unless prior approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as the "Relevant Agency," is first obtained:

- The use of the portion of the Site identified as Block 6343, Lots 1, 25, 27, 47, and 49 may not be used for a less restricted use than "Industrial Use" which is defined as the land use category which shall only be considered for the primary purpose of manufacturing, production, fabrication or assembly processes and ancillary services and does not include any recreational component; and the owner of the Site shall not seek to remove the zoning variance for industrial use granted on July 6, 1982 for lots 27 and 47; and

- The use of the portion of the Site identified as Block 6344, Lots 1 and 2 may not be used for a less restricted use than "Commercial Use" which is defined as a land use category which shall only be considered for the primary purpose of buying, selling or trading of merchandise or services and includes passive recreational uses which are public uses with limited potential for soil contact; and

- The use of the portion of the Site identified as Block 6342, Lot 5 and Block 6343, Lot 51 may not be used for a less restricted use than "Residential Use" which is the land use category which allows a site to be used for any use other than raising live stock or producing animal products for human consumption. Restrictions on the use of groundwater are allowed, but no other institutional or engineering controls are

allowed relative to the residential use soil cleanup objectives. This is the land use category which will be considered for single family housing; and

- The owner of the Site shall continue in full force and effect any institutional and engineering controls required under the Agreement, including the SSDS, and shall maintain such controls unless the owner first obtains permission to discontinue such controls from the Relevant Agency. These required institutional and engineering controls will be embodied in the Department-approved Site Management Plan for the Site, including modifications as approved by the Department or Relevant Agency (the "SMP"); and

- All future activities on the portion of the Site that (i) results in the disturbance or excavation, which threatens the integrity of the existing cap which consists of the asphalt covered parking areas, the concrete covered sidewalks, demonstrated clean fill cover in non-paved areas and concrete building slabs, or (ii) results in disturbance of material containing residual contamination are prohibited unless such activities are conducted in accordance with the soil management provisions of the SMP; and

- All future activities on the Site that results in unacceptable human exposure to residual contamination are prohibited; and

- All groundwater, soil vapor and other environmental or public health monitoring related to the Site must be performed as required in the SMP; and

- All environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary or as directed by the Department to ensure continued functioning as specified in the SMP; and

- Any new structures constructed on the Site must be evaluated for potential soil vapor intrusion and mitigated as necessary in accordance with the building mitigation provisions of the SMP; and

- The owner of the Site shall prohibit the use of the groundwater underlying the Site without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency; and

- All data and information pertinent to site management for the Property must be reported at the frequency and in a manner specified in the SMP; and

- The owner of the Site shall annually (or such other period specified in the SMP), following the recording of this Declaration of Covenants and Restrictions in the Westchester County Clerk's Office, submit to the Department or Relevant Agency a written statement by an expert the Department may find acceptable certifying under penalty of perjury that the institutional and engineering controls employed at the Site are unchanged from the previous certification or that any changes to the controls

employed at the Site were approved by the Department, and that nothing has occurred that would impair the ability of such controls to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Site to evaluate continued maintenance of such controls.

Third, the Department or Relevant Agency may enter and inspect the Site in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions and the SMP.

Fourth, this declaration is and shall be deemed a covenant and shall run with the land and shall be binding on all future owners of the Site, and provides that the owner, and its successors and assigns consent to the enforcement by the Department or the Relevant Agency of the covenants and restrictions that Paragraph X of the Agreement requires to be recorded, and hereby covenant not to contest the authority of the Department or the Relevant Agency to seek enforcement.

Fifth, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

Sixth, the SMP for the Site, as approved and subject to modifications as approved by the Department or Relevant Agency, is incorporated by reference and made enforceable hereto. To the extent that the provisions of the SMP for the Site are inconsistent with this Declaration of Covenants and Restrictions, the provisions of the SMP for the Site shall control.

[Signatures on Following Page]

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

Stewart EFI New York, LLC

By: _____
Daniel D. Stokes

Title: Chairman &
Chief Executive Officer

Date: June 30, 2011

STATE OF CONNECTICUT)
) ss:
COUNTY OF HARTFORD)

On the 30 day of June in the year 2011 before me the undersigned, personally appeared Daniel D. Stokes personally known to me who, being duly sworn, did depose and say that he/she/they reside at 45 Old Waterbury Road, Thomaston, Connecticut 06782 and that he is the Chairman and Chief Executive Officer of Stewart EFI New York, LLC, the limited liability company described in and which executed the above instrument; and that he signed his name thereto by the authority of the members of said limited company and that such individual made such appearance before the undersigned in the City of Hartford and State of Connecticut.

_____
Notary Public Comm. Exp 7/31/2012

EXHIBIT A

Survey Map of Property
(See Attached)

EXHIBIT B
Property Description

Area 1 – Industrial Use

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

All that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the intersection of the southwesterly side of Whittier Avenue, the southeasterly side of Central Park Avenue and the northeast corner of Lot 1 in Block 20 as shown on a map entitled *"Section One, Map Showing Subdivision of Property belonging to Estate of James Gordon Bennett, situated on Central Park Ave., Seminary Ave., Vredenburgh Ave., Yonkers Avenue, Trenchard St. & Mile Square Road, City of Yonkers, N.Y. made by Mario Lorini, C.E., 34 Warburton Ave., Yonkers, N.Y.* dated June 29, 1921 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 16, 1921 as Map No. 2340;

running thence from said point of beginning along the southwesterly side of Whittier Avenue, and along the northeasterly side of Lots 1, 9 through 12 inclusive, S. 34°16'40" E., a distance of 280.98 feet to a point on the division line between the southerly end of the herein described Map No. 2350 and the northerly side of Lot 37 as shown on a map entitled *"Map B" of Property of Ormond Realty Company situated in the City of Yonkers, Westchester County, New York"* dated June 22, 1927 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 12, 1927 as Map No. 3193;

thence continuing along the southwesterly side of Whittier Avenue and along the northeasterly side of Lots 33 through 37 inclusive the following two courses and distances:

N. 74°42'00" W., a distance of 0.63 feet;

thence S. 34°14'20" E., a distance of 235.60 feet to a point on the division line between Lots 32 and 33 as shown on the aforesaid filed Map No. 3193;

thence along said division line, S. 55°45'40" W., a distance of 150.00 feet to a point on the division line between Lots 8 and 9;

thence along the northerly side of Lots 6 through 8, N. 34°14'20" W., a distance of 150.00 feet to a point on the division line between Lots 5 and 6;

thence along said division line, S. 55°45'40" W., a distance of 150.00 feet to a point on the northeasterly side of Kettel Avenue;

thence along the northeasterly side of Kettel Avenue and the southeasterly side of Lots 5 and 182 as shown on Map Volume 9 Page 55, N. 34°14'20" W., a distance of 100.00 feet to a point on the division line between Lot 182 and Lot 4 as shown on Map No. 3193;

thence along said division line N. 55°45'40" E., a distance of 150.00 feet to a point on the division line between Lot 4 and Lot 38;

thence along said division line between Lot 4 and Lot 38, S. 34°14'20" W., a distance of 36 feet to a point;

thence over and across Lot 4, S. 55°45'40" W., a distance of 150.00 feet to a point on the northerly side of Kettel Avenue;

thence along said northerly side of Kettel Avenue, N. 34°14'20" W., a distance of 197.86 feet to a point on the southeasterly side of Central Park Avenue as widened;

thence along the southeasterly side of Central Park Avenue as widened and along the southeasterly side of Parcel 153 as shown on a map entitled *"N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11, map No. 76, Parcel Nos. 152 and 153"* dated May 25, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on June 8, 1954 as Map No. 9115 northeasterly, a distance of 83.56 feet along a non-tangent curve to the right of which the radius point lies S. 47°31'51" E. a radius of 1,807.00 feet, and having a central angle of 02°38'50";

thence N. 41°29'16" E., a distance of 39.01 feet;

thence northeasterly along the southeasterly side of Central Park Avenue as widened and along the southeasterly side of Parcel 156 as shown on a map entitled *"N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11, Map No. 77, Parcel Nos. 155 and 156"* dated Jan. 6, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on July 20, 1954 as Map No. 9220, a distance of 57.72 feet along a non tangent curve to the right of which the radius point lies S. 51°21'05" E. a radius of 495.00 feet, and having a central angle of 06°40'43";

thence along the southeasterly side of Central Park Avenue and along the northwesterly side of Lots 1 through 5 inclusive as shown on the aforesaid filed Map No. 2350, N. 59°37'20" E., a distance of 125.00 feet to the southwesterly side of Whittier Avenue, the point and place of BEGINNING.

Containing 125,381 square feet or 2.8784 acres, more or less.

Area 2 – Commercial & Residential Use

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

ALL that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the Intersection of the division line between Lots 139, 140 and the southwesterly side of Kettel Avenue (formerly Arlington Avenue) as shown on a map entitled *"Map Showing Subdivision of Property Belonging to Nathanial B., Charles F. and James L. Valentine in the City of Yonkers, N.Y."* made by Thomas Stratford, C.E., dated July 29, 1891 and filed in the Westchester County Clerk's Office (Division of Land Records) on Nov. 17, 1891 in Map Volume 9, Page 55, said point being distant 190.41 feet more or less southeasterly from the corner formed by the intersection of the southwesterly side of Kettel Avenue (formerly Arlington Avenue) with the southeasterly side of Central Park Avenue;

running thence from said point of beginning along said division line between Lots 139 and 140, S. 55°45'40" W., a distance of 150.00 feet to a point on the northeasterly side of Huber Place as shown on a map entitled *"Map of 44 Lots, Belonging to Glenvue Construction Corporation, Formerly Property of George H. Huber, situated between Yonkers Ave., Arlington Ave., Central Park Ave. and Trenchard St., Yonkers, N.Y."* made by Earl B. Lovell, Civil Engineer & City Surveyor, dated June 30, 1920 and filed in the Westchester County Clerk's Office (Division of Land Records) on July 24, 1920 as Map No. 2260, said point being distant northwesterly 350.00 feet from the northwest corner of Lot 9 on said Map No. 2260;

thence along said northeasterly side of Huber Place, N. 34°14'20" W., a distance of 100.00 feet to a point on the southeasterly side of Central Park Avenue as widened;

thence along the southeasterly side of Central Park Avenue as widened and along the southeasterly side of Parcel 146 as shown on a map entitled *"N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11, Map No. 74, Parcel Nos. 146, 147 and 148"* dated Feb. 5, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 27, 1953 as Map No. 8358 and along the southeasterly side of Parcel 149 as shown on a map entitled *"N.Y.S. Thruway Southern Westchester Connection Subdivision No. 11, Map No. 75, Parcel Nos. 149 and 150"* dated Feb. 5, 1953 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 27, 1953 as Map No. 8359, N. 55°45'40" E., a distance of 150.00 feet to a point on the southwesterly side of Kettel Avenue (formerly Arlington Avenue);

thence along the southwesterly side of Kettel Avenue (formerly Arlington Avenue), S. 34°14'20" E., a distance of 100.00 feet to the division line between Lots 139 and 140 as shown on the aforesaid filed Map Volume 9, Page 55, the point and place of BEGINNING.

Containing 15,000 square feet or 0.3443 acres, more or less.

Area 3 –Residential Use

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

ALL that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the intersection of the northeasterly side of Kettel Avenue and the southwest corner of Church parcel as shown on a map entitled *"Map "B" of Property of Ormond Realty Company situated in the City of Yonkers, Westchester County, New York"* dated June 22, 1927 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 12, 1927 as Map No. 3193, said point being distant 233.86 feet from the southeasterly side of Central Park Avenue as widened;

thence from said point of beginning along said northeasterly side of Kettel Avenue, N. 34°14'20" W., a distance of 36 feet to a point on the southwesterly side of Lot 4;

thence over and across Lot 4, N. 55°45'40" E., a distance of 150.00 feet to a point on the division line between Lots 4 and 38;

thence along the division line between Lots 4 and 38, S. 34°14'20" E., a distance of 36 feet to a point on the division line between Lot 4 and Lot 182 (Volume 9, Page 55);

thence along said division line S. 55°45'40" W., a distance of 150.00 feet to a point on the northeasterly side of Kettel Avenue, the point and place of beginning.

Containing 5,400 square feet or 0.1240 acres, more or less.

Area 4 – Commercial Use

DESCRIPTION OF A PARCEL OF PROPERTY LOCATED IN THE CITY OF YONKERS, COUNTY OF WESTCHESTER, STATE OF NEW YORK.

ALL that certain piece or parcel of land situate, lying and being located in the City of Yonkers, County of Westchester, State of New York and being more particularly bounded and described as follows:

Beginning at a point formed by the intersection of the northeasterly side of Whittier Avenue, the southeasterly side of Central Park Avenue and the northwest corner of Lot 12 in Block 19 as shown on a map entitled *"Section One, Map Showing Subdivision of Property belonging to Estate of James Gordon Bennett, situated on Central Park Ave., Seminary Ave., Vredenburgh Ave., Yonkers Avenue, Trenchard St. & Mile Square Road, City of Yonkers, N.Y. made by Mario Lorini, C.E., 34 Warburton Ave., Yonkers, N.Y."* dated June 29, 1921 and filed in the Westchester County Clerk's Office (Division of Land Records) on Aug. 16, 1921 as Map No. 2340;

thence from said point of beginning along the southeasterly side of Central Park Avenue, N. 59°37'20" E., a distance of 54.14 feet;

thence northeasterly, a distance of 29.99 feet along a curve to the left having a radius of 869.00 feet and a central angle of 01°58'37" to a point on the division line between Lots 9 and 10, Block 19 as shown on the aforesaid filed Map No. 2340;

thence along said division line, S. 30°26'31" E., a distance of 100.24 feet to the northwesterly side of Lot 16, Block 19;

thence along the division line between Lot 16 and Lots 10, 11 and 12, Block 19, S. 59°32'31" W., a distance of 77.43 feet to a point on the northeasterly side of Whittier Avenue;

thence along said northeasterly side of Whittier Avenue and the southwesterly side of Lot 12, N. 34°16'40" W., a distance of 100.05 feet to the southeasterly side of Central Park Avenue as shown on the aforesaid filed Map No. 2340, the point and place of BEGINNING.

Containing 8,064 square feet or 0.1851 acres, more or less.

Appendix C
Electronic Documents (DVD)

Appendix D
Health and Safety Plan (Outline) and Community Air Monitoring Plan

SAMPLE
HEALTH AND SAFETY PLAN OUTLINE
(TO BE PREPARED BY CONTRACTORS PERFORMING WORK BELOW THE BARRIER LAYER OR FINAL SITE DEVELOPMENT COVERS)

1.0 Introduction
- 1.1 Objectives and Applicability
- 1.2 General Site Description

2.0 Hazard Evaluation

3.0 Health and Safety Personnel
- 3.1 Organizational Structure
- 3.2 Key Personnel/Responsibilities
  - 3.2.1 Health and Safety Director/Manager
  - 3.2.2 Project Manager
  - 3.2.3 On-Site Health and Safety Coordinator
  - 3.2.4 Subcontractors

4.0 Training Requirements

5.0 Site Control Measures
- 5.1 Work Zone Definition
- 5.2 Nearest Medical Assistance
- 5.3 Safe Work Practices
- 5.4 Response Actions

6.0 Personnel Protective Equipment
- 6.1 Overview of Levels of Protection
- 6.2 Personal Protective Equipment
  - 6.2.1 Equipment Overview
  - 6.2.2 Monitoring Requirements
  - 6.2.3 Action Levels

7.0 Emergency Response/Contingency Plan
- 7.1 Pre-Emergency Planning
- 7.2 Evacuation Routes and Procedures
- 7.3 Site Security and Control
- 7.4 Emergency Contact/Notification System
- 7.5 Emergency Equipment

8.0 Air Monitoring
- 8.1 Instrumentation
- 8.2 Air Monitoring Frequency
- 8.3 Perimeter Air Monitoring

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the

work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix E
Certification Form

Enclosure 1
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00691

Site Name Stewart EFI-NY LLC

Site Address: 630 Central Park Avenue Zip Code: 10704-2000
City/Town: Yonkers
County: Westchester
Site Acreage: 3.4

Reporting Period:

	YES	NO
1. Is the information above correct?	☐	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00691 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
6-6342-5	Stewart EFI New York, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan
6-6343-1	Stewart EFI New York, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan
6-6343-25, 6-6343-27	Stewart EFI New York, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan
6-6343-47, 6-6343-49	Stewart EFI New York, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan
6-6343-51	Stewart EFI New York, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan
6-6344-1, 6-6344-2	Stewart EFI New York, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
6-6343-1	Cover System Vapor Mitigation
6-6343-25, 6-6343-27	Cover System Vapor Mitigation
6-6343-47, 6-6343-49	Cover System Vapor Mitigation
6-6344-1, 6-6344-2	Cover System

Control Description for Site No. V00691

Parcel: 6-6342-5

See controls for parcel: 6-6343-51

Control Description for Site No. V00691

Parcel: 6-6343-1

1. a. This parcel may not be used for a less restrictued use than "industrial use."
b. The owner of the Site shall continue any institutional and engineering controls (IC/EC) required under the Agreement (Voluntary Cleanup Agreement), including the sub-slab depressurization system (SSDS), as outlined in the Department-approved Site Management Plan (SMP).
c. All future activities that disturb the existing site existing cap (asphalt, concrete, clean fill cover or the material containing residual contamination are prohibited unless such activities are conducted in accordance with the soil managment provisions of the SMP.
d. All future activities on the Site that results in unacceptable human exposure to residual contamination are prohibited.
e. All groundwater, soil vapor and other environmental or public health monitoring related to the Site must be performed as required in the SMP.
f. All environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, must be protected and replaced as necessary or as directed by the Department to ensure continued functioning as specified in the SMP.
g. Any new structures constructed on the Site must be evaluated for potential soil vapor intrusion and mitigated as necessary in accordance with the building mitigation provisions of the SMP.
h. Use of the groundwater underlying the Site is prohibited without treatment rendering it safe for drinking water or industrial purposes.
i. All data and information pertinent to site management for the Property must be reported at the frequency and in a manner specified in the SMP.
j. The owner of the Site shall annually (or such other period specified in the SMP), submit to the Department a written statement by an acceptable expert that the IC/ECs are unchanged or any changes to them were approved by the Department

2. The Department or Relevant Agency may enter and inspect the Site in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions and the SMP.

3. This deed restriction shall run with the land and shall be binding on all future owners of the Site.

4. Any deed or conveyance of the Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

5. To the extent that the provisions of the SMP are inconsistent with the deed restricitons,the provisions of the SMP shall control.

Parcel: 6-6343-25, 6-6343-27

See controls for parcel: 6-6343-1

Parcel: 6-6343-47, 6-6343-49

See controls 1-5 for parcel: 6-6343-1

Parcel: 6-6343-51

This parcel may not be used for a less restricted use than "residential use."

See also controls 2-5 for parcel: 6-6343-1

Parcel: 6-6344-1, 6-6344-2

These parcels may not be used for a less restricted use than "Commercial Use."

See also controls 1b-5 for parcel: 6-6343-1, with the exception that no SSDS exists on these parcels.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☐	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☐	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. V00691

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner or Remedial Party Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a for the _____
(Owner or Remedial Party)

_____ _____ _____
Signature of , for the Owner or Remedial Party, Rendering Certification
Stamp (Required for PE)
Date

Enclosure 2

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional / Engineering Controls (Boxes 3, 4, and 5)

1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

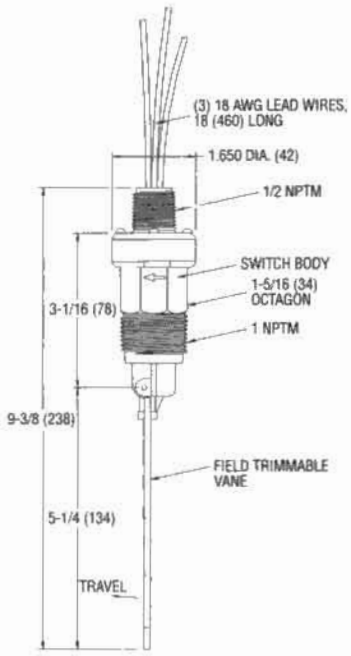
- Where the only control is an Institutional Control on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner.

- Where the site has Institutional and Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Appendix F
SSDS Operating Manuals

SERIES V8 FLOTECT® FLOW SWITCH

Specifications – Installation and Operating Instructions



SPECIFICATIONS

Maximum Temperature: 212°F (100°C)

Maximum Pressure: 150 psig (10.3 bar)

Process Connection: 1" NPTM

Switch Type: SPDT snap acting

Electrical Rating: 5A @ 125/250 VAC

Wire Leads: 18 AWG × 18" (45.7 cm)

Overall Length: 9.375 in. (23.8 cm)

Switch Body: Polyphenylene sulphide (PPS)

Wetted Materials: Polyphenylene sulphide, ceramic 8 magnet, 316 stainless steel

Vane: Field trimmable

Installation: Install with index arrow pointing in direction of flow

Weight: 4.5 ounces (128 grams)

Cold Water Flow Rates Approx. Actuation/Deactuation **GPM** Upper, **LPM** Lower		**Air Flow Rates** Approx. Actuation/Deactuation **SCFM** Upper, **NM³/H** Lower	
Pipe Size		**Pipe Size**	
1"	10.8/9.1 40.9/34.6	1"	39/32.6 66.3/55.4
1¼"	9.8/8.3 37.2/31.4	1¼"	37.5/32.2 63.7/54.7
1½"	8.6/6.8 32.4/25.7	1½"	33.4/26.7 56.7/45.4
2"	10.9/8.8 41.2/33.4	2"	43/36.8 73.1/62.5
3"	12.9/8.9 48.8/33.5	3"	52.7/38.9 89.6/66
4"	21.1/13.8 79.7/52.2	4"	87.6/63.6 148.9/108.1
6"	45/33 170.2/124.7	6"	168.6/137.4 286.5/233.4

INSTALLATION

1. The Model V8 Flow Switch is intended for use in clean, compatible process media free from scale, debris and other foreign matter which might collect on the vane and impede its movement. Buildup from such materials will prevent proper operation.

2. Carefully unpack the switch being certain to remove any packing material which might have become lodged between the switch housing and the vane assembly. Note the pipe size indicators molded into the vane. By trimming at the mark corresponding to the pipe size being used, approximate actuation/deactuation flows will be as shown in the charts at right. These values apply to installations with a thred-o-let, branch connection or plastic fitting. If using standard 125-250 lb. bronze, iron or steel fittings, trim the vane 0.125" above the mark. Due to variations in fittings and amount of thread engagement, vane must be checked for proper operation.

3. The flow switch must be properly indexed during installation. The arrow on the side must point in the direction of flow.

4. Use Teflon® thread tape or other suitable pipe joint compound to seal the 1" NPT mounting connection. Avoid excess sealant which could interfere with vane movement and prevent proper operation. Do not exceed 50 ft/lbs. (40 n/m) torque on the switch housing. Damage can result.

5. Wire in accordance with local electrical codes. Lead wire colors are as follows: Black – Common, Red – Normally Open, Blue – Normally Closed. Normal is the contact condition with no flow in the system. Closed contacts open and open contacts close when increasing flow reaches the actuation point.

6. Switch electrical components must be protected from moisture at all times. If necessary, install a lightweight waterproof junction box over the 1/2" NPT threaded stem. Do not place mechanical loading on the switch housing. Permanent damage can occur. Use flexible Romex sheathing or equivalent.

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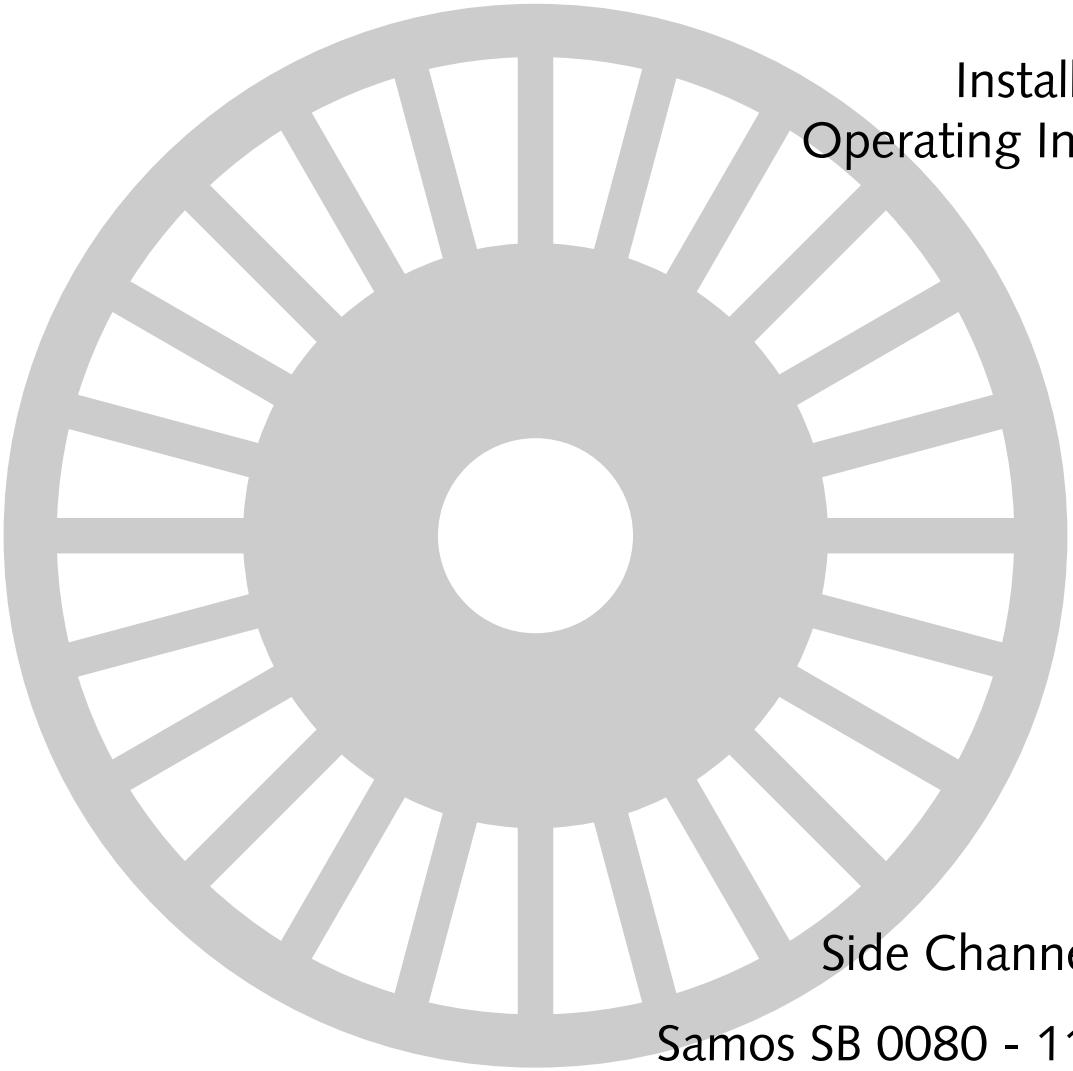
FR 82-440866-00

W.E. ANDERSON DIVISION, DWYER INSTRUMENTS, INC.
P.O. Box 358 • Michigan City, Indiana 46361 • U.S.A.

Telephone 219/879-8000
Fax 219/872-9057



Installation and Operating Instructions

Side Channel Blowers

Samos SB 0080 - 1100 D/D2

CE

Busch Produktions GmbH
Schauinslandstr. 1
79689 Maulburg
Germany

0871131685 / 030407 / Modifications reserved

Table of Contents

Preface

Congratulations on your purchase of the Busch side channel blower. With watchful observation of the field's requirements, innovation and steady development Busch delivers modern vacuum and pressure solutions worldwide.

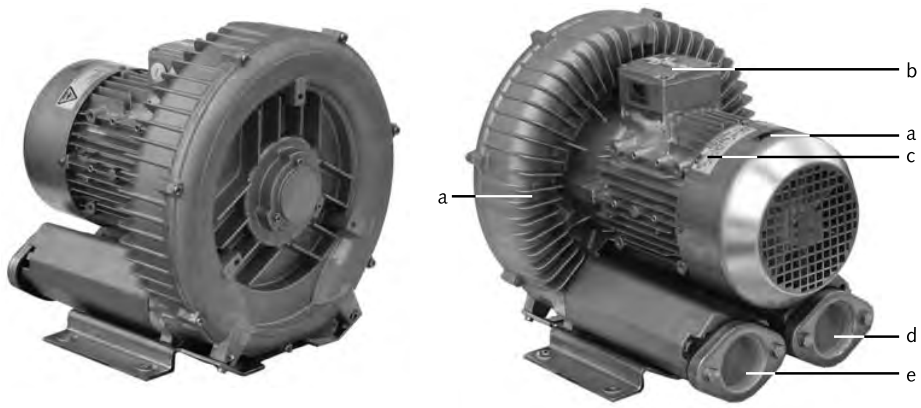
These operating instructions contain information for

- product description,
- transport,
- storage,
- installation and commissioning,
- maintenance,
- overhaul,
- troubleshooting and
- spare parts

of the side channel blower.

For the purpose of these instructions, "handling" the side channel blower means the transport, storage, installation, commissioning, influence on operating conditions, maintenance, troubleshooting and overhaul of the side channel blower.

Prior to handling the side channel blower these operating instructions shall be read and understood. If anything remains to be clarified please contact your Busch representative!



a Directional arrow
b Terminal box
c Nameplate
d Outlet
e Inlet

Product Description

Use

The side channel blower is intended for

- the suction
- the compression

of

- air and other non-aggressive, non-toxic and non-explosive gases

The gas shall be free from vapours that would condensate under the temperature and pressure conditions inside the side channel blower.

The side channel blower is suitable for continuous operation, provided that the housing can transmit heat to the environment unobstructedly and a certain minimum gas transfer is warranted. If there is a danger of operation against a closed inlet or outlet for more than a few seconds, a vacuum or pressure relief valve, respectively, shall be provided. In case of doubt seek advice from your Busch representative!

The maximum allowed back pressure of the side channel blower is 1 bar (g). By means of process control and/or pressure relief valves it must be made sure that the maximum allowed back pressure will not be exceeded.

Principle of Operation

The side channel blower works on the impulse principle, i.e. kinetic energy is transferred from the rotor to the medium agent be pumped and then is converted into pressure.

For the two stage version:

2 stages, both working on the principle described above, are installed in line in order to achieve a better ultimate/differential pressure.

The side channel blower compresses the inlet gas absolutely oil-free. A lubrication of the pump chamber is neither necessary nor allowed.

Cooling

The side channel blower is cooled by

- radiation of heat from the surface of the side channel blower
- the air flow from the fan wheel of the drive motor
- the conveyed gas

On/off Switch

The side channel blower comes without on/off switch. The control of the side channel blower is to be provided in the course of installation.

Safety

Intended Use

DEFINITION: For the purpose of these instructions, “handling” the side channel blower means the transport, storage, installation, commissioning, influence on operating conditions, maintenance, troubleshooting and overhaul of the side channel blower.

The side channel blower is intended for industrial use. It shall be handled only by qualified personnel.

The allowed media and operational limits according to the “Product Description” and the “Installation Prerequisites” of the side channel blower shall be observed both by the manufacturer of the machinery into which the side channel blower is to be incorporated and by the operator.

The maintenance instructions shall be observed.

Prior to handling the side channel blower these operating instructions shall be read and understood. If anything remains to be clarified please contact your Busch representative!

Safety Notes

The side channel blower has been designed and manufactured according to the state-of-the-art. Nevertheless, residual risks may remain. These operating instructions inform about potential hazards where appropriate. Safety notes are tagged with one of the keywords DANGER, WARNING and CAUTION as follows:

DANGER

Disregard of this safety note will always lead to accidents with fatal or serious injuries.

WARNING

Disregard of this safety note may lead to accidents with fatal or serious injuries.

CAUTION

Disregard of this safety note may lead to accidents with minor injuries or property damage.

Noise Emission

For the sound pressure level in free field according to DIN 45635, part 13 see “Technical Data”.

CAUTION

Depending on the construction size the side channel blower can emit noise of high intensity.

Depending on the operating state the side channel blower can emit noise in a narrow band.

Risk of damage to the hearing.

Persons staying in the vicinity of the side channel blower over extended periods shall wear ear protection.

Transport

Transport in Packaging

Side channel blowers individually packed in cardboard boxes can be carried by hand.

Packed on a pallet the side channel blower is to be transported with a forklift.

Transport without Packaging

In case the side channel blower is packed in a cardboard box with inflated cushions:

- ◆ Remove the inflated cushions from the box

In case the side channel blower is in a cardboard box cushioned with rolled corrugated cardboard:

- ◆ Remove the corrugated cardboard from the box

In case the side channel blower is layed in foam:

- ◆ Remove the foam

In case the side channel blower is bolted to a pallet or a base plate:

- ◆ Remove the bolting between the side channel blower and the pallet/base plate

In case the side channel blower is fastened to the pallet by means of tightening straps:

- ◆ Remove the tightening straps

In case the side channel blower weighs less than 20 kg and comes without eyebolts for the attachment of lifting gear:

Version without handle:

- ◆ Grasp the side channel blower with both hands

Version with handle:

- ◆ Carry the side channel blower using the handle

In case the side channel blower comes with eyebolts for the attachment of lifting gear:

CAUTION

Do not walk, work or stand under suspended loads.

- ● Attach lifting gear securely to the eyebolt on the cylinder
- ● Attach the lifting gear to a crane hook with safety latch
- ● Lift the side channel blower with a crane

In case the side channel blower was bolted to a pallet or a base plate:

- ◆ Remove the stud bolts from the rubber feet

Storage

Short-term Storage

- ● Make sure that the inlet and outlet ports are closed (leave the provided plugs in)
- ● Store the side channel blower
- – if possible in original packaging,
- – indoors,
- – dry,
- – dust free and
- – vibration free

Conservation

In case of adverse ambient conditions (e.g. aggressive atmosphere, frequent temperature changes) conserve the side channel blower immediately. In case of favourable ambient conditions conserve the side channel blower if a storage of more than 3 months is scheduled.

- ● Make sure that all ports are firmly closed; seal all ports that are not sealed with PTFE-tape, gaskets or o-rings with adhesive tape

NOTE: VCI stands for “volatile corrosion inhibitor”. VCI-products (film, paper, cardboard, foam) evaporate a substance that condenses in molecular thickness on the packed good and by its electro-chemical properties effectively suppresses corrosion on metallic surfaces. However, VCI-products may attack the surfaces of plastics and elastomers. Seek advice from your local packaging dealer! Busch uses CORTEC VCI 126 R film for the overseas packaging of large equipment.

- ● Wrap the side channel blower in VCI film
- ● Store the side channel blower
- – if possible in original packing,
- – indoors,
- – dry,
- – dust free and
- – vibration free

For commissioning after conservation:

- ● Make sure that all remains of adhesive tape are removed from the ports
- ● Commission the side channel blower as described in the chapter “Installation and Commissioning”

Installation and Commissioning

Installation Prerequisites

CAUTION

In case of non-compliance with the installation prerequisites, particularly in case of insufficient cooling:

Risk of damage or destruction of the side channel blower and adjoining plant components!

Risk of injury!

The installation prerequisites must be complied with.

- ● Make sure that the integration of the side channel blower is carried out such that the essential safety requirements of the Machine Directive 98/37/EC are complied with (in the responsibility of the designer of the machinery into which the side channel blower is to be incorporated; see also the note in the EC-Declaration of Conformity)

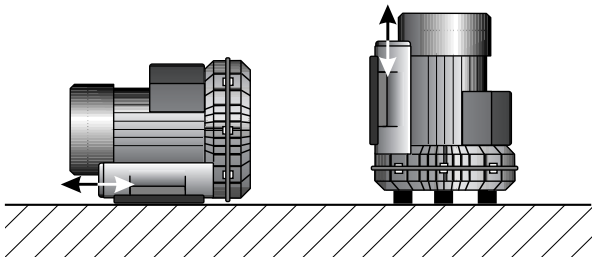
Mounting Position and Space

- Make sure that the following ambient conditions will be complied with:

– Ambient temperature: –5 ... +40 °C
– Ambient pressure: atmospheric

- Make sure that the environmental conditions comply with the protection class of the drive motor (according to the nameplate)

The side channel blower can be operated with horizontal or vertical gas flow (with vertical gas flow the drive motor shall be in the uppermost position)



- Make sure that the mounting base is even
- Make sure that in order to warrant a sufficient cooling there will be a clearance of minimum 0.1 m between the side channel blower and nearby walls

In case of mounting with the drive motor in the uppermost position:

  - ◆ Make sure that there will be a clearance of minimum 20 mm (up to construction size 200) or 30 mm (as of construction size 310), respectively, between the cover (2.030) and the floor

- Make sure that no temperature sensitive parts (plastics, wood, cardboard, paper, electronics) will touch the surface of the side channel blower
- Make sure that the installation space or location is vented such that a sufficient cooling of the side channel blower is warranted

CAUTION

During operation the surface of the side channel blower may reach temperatures of more than 70 °C.

Risk of burns!

- Make sure that the side channel blower will not be touched inadvertently during operation, provide a guard if appropriate

Inlet Connection

CAUTION

Intruding foreign objects or liquids can destroy the side channel blower.

In case the inlet gas can contain dust or other foreign solid particles:

  - ◆ Make sure that a suitable filter (5 micron or less) is installed upstream the side channel blower

In case of compressor operation:

The following guidelines for the suction line do not apply, if the air to be compressed is taken in right at the side channel blower.

- Make sure that the suction line fits to the inlet connection (e) of the side channel blower
- Make sure that the inlet is connected with a vacuum-tight flexible hose or a pipe

In case of using a pipe:

  - ◆ Make sure that the pipe will cause no stress on the side channel blower‘s connection, if necessary use bellows

- Make sure that the line size of the suction line over the entire length is at least as large as the side channel blower inlet

In case of very long suction lines it is prudent to use larger line sizes in order to avoid a loss of efficiency. Seek advice from your Busch representative!

In case the vacuum shall be maintained after shut-off of the side channel blower:

  - ◆ Provide a manual or automatic operated valve (= check valve) in the suction line

In case the side channel blower will be used for vacuum application and is likely to run against a closed inlet or outlet for more than a few seconds:

  - ◆ Provide a vacuum relief valve and set it to approx. 75 percent of the max. differential pressure

In case of doubt seek advice from your Busch representative!

Discharge Connection

In case of vacuum operation:

The following guidelines for the discharge line do not apply, if the inlet air is discharged to the environment right at the side channel blower.

- Make sure that the discharge line fits to the outlet connection (d) of the side channel blower

In case of using a pipe:

  - ◆ Make sure that the pipe will cause no stress on the side channel blower‘s connection, if necessary use bellows

- Make sure that the line size of the discharge line over the entire length is at least as large as the side channel blower outlet

In case of very long discharge lines it is prudent to use larger line sizes in order to avoid a loss of efficiency. Seek advice from your Busch representative!

- Make sure that the discharge line either slopes away from the side channel blower or provide a liquid separator or a drip leg with a drain cock, so that no liquids can back up into the side channel blower

Pressure Connection

- Make sure that the pressure line fits to the outlet connection (d) of the side channel blower
- Make sure that the outlet is connected with a pressure-tight flexible hose or a pipe

In case of using a pipe:

  - ◆ Make sure that the pipe will cause no stress on the side channel blower‘s connection, if necessary use bellows

- Make sure that the line size of the pressure line over the entire length is at least as large as the side channel blower outlet

In case of very long pressure lines it is prudent to use larger line sizes in order to avoid a loss of efficiency. Seek advice from your Busch representative!

- Make sure that the pressure line either slopes away from the side channel blower or provide a liquid separator or a drip leg with a drain cock, so that no liquids can back up into the side channel blower

In case the side channel blower will be used for pressure application and is likely to run against a closed inlet or outlet for more than a few seconds:

  - ◆ Provide a pressure relief valve and set it to approx. 75 percent of the max. differential pressure

In case of doubt seek advice from your Busch representative!

Electrical Connection

- Make sure that the stipulations acc. to the EMC-Directive 89/336/EEC and Low-Voltage-Directive 73/23/EEC as well as the EN-standards, electrical and occupational safety directives and the local or national regulations, respectively, are complied with (this is in the responsibility of the designer of the machinery into which

the side channel blower is to be incorporated; see also note in the EC-Declaration of Conformity).

- Make sure that the power supply is compatible with the data on the nameplate of the drive motor
- Make sure that an overload protection according to EN 60204-1 is provided for the drive motor
- Make sure that the drive of the side channel blower will not be affected by electric or electromagnetic disturbance from the mains; if necessary seek advice from your Busch representative

In case of mobile installation:

- ◆ Provide the electrical connection with grommets that serve as strain-relief

Controlling Pressure/Flow

Vacuum operation:

- In order to relieve excess vacuum or to limit the air flow use vent valves. Do not control the vacuum or the flow by throttling of suction or discharge lines. Conveying bypass air will let the side channel blower run cooler and draw less power.

Pressure operation:

- In order to relieve excess pressure or to limit the air flow use bleed valves. Do not control the pressure or the flow by throttling of suction or pressure lines. Bleeding excess air will let the side channel blower run cooler and draw less power.

Mounting

- Make sure that the "Installation Prerequisites" are complied with
- Fasten the side channel blower at its location

Connecting Electrically

WARNING

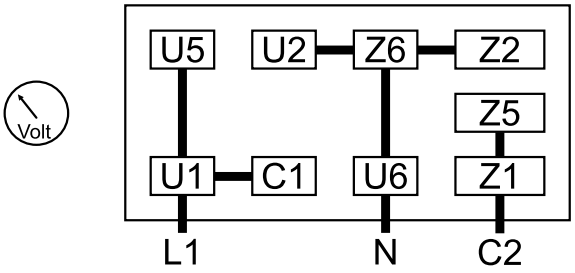
Risk of electrical shock, risk of damage to equipment.

Electrical installation works must only be executed by qualified personnel that knows and observes the following regulations:
- IEC 364 or CENELEC HD 384 or DIN VDE 0100, respectively,
- IEC-Report 664 or DIN VDE 0110,
- VBG 4 or corresponding national accident prevention regulation.

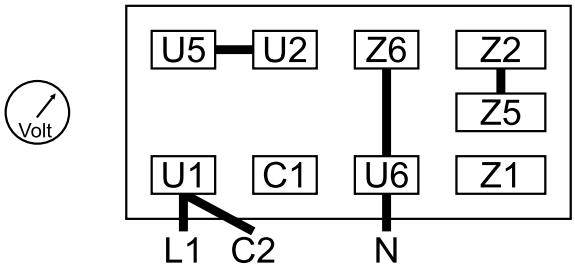
- Electrically connect the drive motor
- Connect the protective earth conductor

Connection Scheme Alternating Current Motor

Low voltage connection:

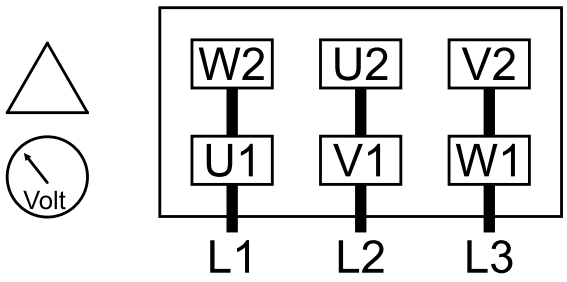


High voltage connection:

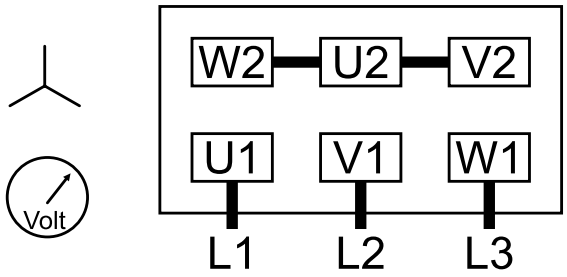


Connection Scheme Three-Phase Motor

Delta connection (low voltage):



Star connection (high voltage):



CAUTION

Operation in the wrong direction of rotation can destroy the side channel blower in short time.

Prior to starting-up it must be made sure that the side channel blower is operated in the proper direction.

NOTE: If certain applications require reverse operation over short periods, please seek advice from your Busch representative!

Version with three-phase motor:

- ◆ Determine the intended direction of rotation with the arrow (stuck on or cast)
- ◆ "Bump" the drive motor
- ◆ Watch the fan wheel of the drive motor and determine the direction of rotation just before the fan wheel stops

If rotation must be changed:

- ◆ Switch any two of the drive motor wires (three-phase motor)

Connecting Lines/Pipes

- Connect the suction line
- Connect the discharge line

or

- Connect the pressure line
- Make sure that all provided covers, guards, hoods etc. are mounted

In case the side channel blower comes with an eyebolt for the attachment of lifting gear:

- ◆ Make sure that the eyebolt is firmly tightened

As soon as the side channel blower is operated under normal operating conditions:

- Measure the drive motor current and record it as reference for future maintenance and troubleshooting works

Operation Notes

Application

CAUTION

The side channel blower is designed for operation under the conditions described below.

In case of disregard risk of damage or destruction of the side channel blower and adjoining plant components!

Risk of injury!

The side channel blower must only be operated under the conditions described below.

The side channel blower is intended for

- the suction
- the compression

of

- air and other non-aggressive, non-toxic and non-explosive gases

The gas shall be free from vapours that would condensate under the temperature and pressure conditions inside the side channel blower.

The side channel blower is suitable for continuous operation, provided that the housing can transmit heat to the environment unobstructedly and a certain minimum gas transfer is warranted. If there is a danger of operation against a closed inlet or outlet for more than a few seconds, a vacuum or pressure relief valve, respectively, shall be provided. In case of doubt seek advice from your Busch representative!

The maximum allowed back pressure of the side channel blower is 1 bar (g). By means of process control and/or pressure relief valves it must be made sure that the maximum allowed back pressure will not be exceeded.

CAUTION

During operation the surface of the side channel blower may reach temperatures of more than 70 °C.

Risk of burns!!

Secure the side channel blower against contact during operation, let it cool down prior to a required contact or wear heat protection gloves.

CAUTION

Depending on the construction size the side channel blower may emit noise of high intensity.

Depending on the operating state the side channel blower may emit noise in a narrow band.

Risk of damage to the hearing.

Persons staying in the vicinity of the side channel blower over extended periods shall wear ear protection.

- Make sure that all provided covers, guards, hoods etc. remain mounted
- Make sure that protective devices will not be disabled
- Make sure that the "Installation Prerequisites" are complied with and will remain complied with, particularly that a sufficient cooling will be ensured

Maintenance

CAUTION

During operation the surface of the side channel blower may reach temperatures of more than 70 °C.

Risk of burns!!

- Prior to disconnecting lines make sure the lines are vented to atmospheric pressure

Maintenance Schedule

NOTE: The maintenance intervals depend very much on the individual operating conditions. The intervals given below shall be considered as starting values which should be shortened or extended as appropriate.

Every 6 months:

- Make sure that the housing is free from dust and dirt, clean if necessary
- Make sure that the side channel blower is switched off and locked against inadvertent switching on
- Clean the fan cowling, the fan wheel, ventilation grilles and the cooling fins

Every 2000 operating hours:

In case an inlet filter is installed:

- ◆ Clean (with pressurised air) or replace the inlet filter

In case an inlet screen is installed:

- ◆ Clean the inlet screen

Overhaul

CAUTION

In order to achieve best efficiency and a long life the side channel blower was assembled and adjusted with precisely defined tolerances.

This adjustment will be lost during dismantling of the side channel blower.

It is therefore strictly recommended that any dismantling of the side channel blower that is beyond of what is described in this manual shall be done by the Busch service.

DANGER

In case the side channel blower conveyed gases contaminated with foreign materials which are dangerous to health, harmful material can reside in pores, gaps and internal spaces of the side channel blower.

Danger to health during dismantling of the side channel blower.

Danger to environment.

Prior to shipping the side channel blower shall be decontaminated as good as possible and the contamination status shall be stated in a "Declaration of Contamination" (form downloadable from www.busch-vacuum.com).

Busch service will only accept side channel blowers that come with a completely filled in and legally binding signed "Declaration of Contamination" (form downloadable from www.busch-vacuum.com).

Removal from Service

Temporary Removal from Service

- Prior to disconnecting lines make sure the lines are vented to atmospheric pressure

Recommissioning

- Observe the chapter “Installation and Commissioning”

Dismantling and Disposal

DANGER

In case the side channel blower conveyed gases contaminated with foreign materials which are dangerous to health, harmful material can reside in pores, gaps and internal spaces of the side channel blower.

Danger to health during dismantling of the side channel blower.

Danger to environment.

During dismantling of the side channel blower wear protective clothing.

Decontaminate the side channel blower prior to disposal.

- Make sure that materials and components to be treated as special waste have been separated from the side channel blower
- Make sure that the side channel blower is not polluted with harmful foreign material

According to the best knowledge at the time of printing of this manual the materials used for the manufacture of the side channel blower involve no risk.

- Dispose off the side channel blower as scrap metal

Spare Parts

The bearings (1.007, 6.008) are intended as spare parts. Commercially available standard parts are to be purchased on the open market. If an overhaul requires parts other than bearings or standard parts your Busch representative will clarify whether an overhaul is economic or a replacement side channel blower should be considered.

NOTE: When ordering spare parts or accessories always quote the type and the serial no. of the side channel blower (data on the nameplate).

Troubleshooting

WARNING

Risk of electrical shock, risk of damage to equipment.

Electrical installation works must only be executed by qualified personnel that knows and observes the following regulations:
- IEC 364 or CENELEC HD 384 or DIN VDE 0100, respectively,
- IEC-Report 664 or DIN VDE 0110,
- VBG 4 or corresponding national accident prevention regulation.

CAUTION

During operation the surface of the side channel blower may reach temperatures of more than 70 °C.

Risk of burns!!

Let the side channel blower cool down prior to a required contact or wear heat protection gloves.

Problem	Possible Cause	Remedy
The side channel blower does not reach the usual pressure The drive motor draws a too high current (compare with initial value after commissioning) Vacuum operation: Evacuation of the system takes too long Pressure operation: Filling the system takes too long Building up pressure in the system takes too long	Vacuum operation: The vacuum system or suction line is not leak-tight Pressure operation: The pressure system or pressure line is not leak-tight	Check the hose or pipe connections for possible leak
	In case a vacuum relief valve/regulating system is installed: The vacuum relief valve/regulating system is misadjusted or defective In case a pressure relief valve/regulating system is installed: The pressure relief valve/regulating system is misadjusted or defective	Adjust, repair or replace, respectively
	In case an inlet screen is installed: The inlet screen is partly clogged	Clean the screen If cleaning is required too frequently install a filter upstream
	In case an inlet filter is installed: The inlet filter is partly clogged	Clean or replace the inlet filter, respectively
	Partial clogging in the suction, discharge or pressure line	Remove the clogging
	Long suction, discharge or pressure line with too small diameter	Use larger diameter
	Internal parts worn or damaged	Repair the side channel blower (Busch service)
The gas conveyed by the side channel blower smells displeasing	Process components evaporating under vacuum	Check the process, if applicable
The side channel blower does not start	The drive motor is not supplied with the correct voltage or is overloaded	Supply the drive motor with the correct voltage
	The drive motor starter overload protection is too small or trip level is too low	Compare the trip level of the drive motor starter overload protection with the data on the nameplate, correct if necessary In case of high ambient temperature: set the trip level 5 percent above the nominal drive motor current

	One of the fuses has blown	Check the fuses
	Version with alternating current motor: The drive motor capacitor is defective	Repair the drive (Busch service)
	The connection cable is too small or too long causing a voltage drop at the side channel blower	Use sufficiently dimensioned cable
	The side channel blower or the drive motor is blocked	Make sure the drive motor is disconnected from the power supply Remove the fan cover Try to turn the drive motor with the side channel blower by hand If the side channel blower is blocked: Repair the side channel blower (Busch service)
	The drive motor is defective	Replace the drive motor (Busch service)
The side channel blower is blocked	Solid foreign matter has entered the side channel blower	Repair the side channel blower (Busch service) Make sure the suction line is equipped with a screen If necessary additionally provide a filter
	Version with three-phase motor: The side channel blower was run in the wrong direction	Repair the side channel blower (Busch service) When connecting the side channel blower make sure the side channel blower will run in the correct direction (see “Installation”)
The side channel blower starts, but labours or runs noisily or rattles The drive motor draws a too high current	Loose connection(s) in the drive motor terminal box Version with three-phase-motor: Not all drive motor coils are properly connected The drive motor operates on two phases only	Check the proper connection of the wires against the connection diagram Tighten or replace loose connections
	Version with three-phase motor: The side channel blower runs in the wrong direction	Verification and rectification see „Installation and Commissioning“
	Foreign objects in the side channel blower Stuck bearings	Repair the side channel blower (Busch service)
The side channel blower runs very noisily	Defective bearings	Repair the side channel blower (Busch service)
The side channel blower runs very hot	Insufficient air ventilation	Make sure that the cooling of the side channel blower is not impeded by dust/dirt Clean the fan cowling, the fan wheel, ventilation grilles and the cooling fins Install the side channel blower in a narrow space only if sufficient ventilation is ensured
	Insufficient gas transfer	Vacuum operation: Provide a vacuum relief valve Pressure operation: Provide a pressure relief valve
	Mains frequency or voltage outside tolerance range	Provide a more stable power supply

	In case a vacuum relief valve/regulating system is installed: The vacuum relief valve/regulating system is misadjusted or defective In case a pressure relief valve/regulating system is installed: The pressure relief valve/regulating system is misadjusted or defective	Adjust, repair or replace, respectively
	Partial clogging of filters or screens Partial Clogging in the suction, discharge or pressure line	Remove the clogging
	Long suction, discharge or pressure line with too small diameter	Use larger diameter

EC-Declaration of Conformity

NOTE: This Declaration of Conformity and the CE-mark affixed to the nameplate are valid for the side channel blower within the Busch-scope of delivery. When this side channel blower is integrated into a larger machinery the manufacturer of the larger machinery (this can be operator, too) must conduct the conformity assessment process for the larger machine, issue the Declaration of Conformity for it and affix the CE-mark.

We

Busch Produktions GmbH
Schauinslandstr. 1
79689 Maulburg
Germany

declare that side channel blowers **SB 0080 - 1100 D/D2**

in accordance with the European Directives

"Machinery" 98/37/EC,

"Electrical Equipment Designed for Use within Certain Voltage Limits" (so called "Low Voltage") 73/23/EEC,

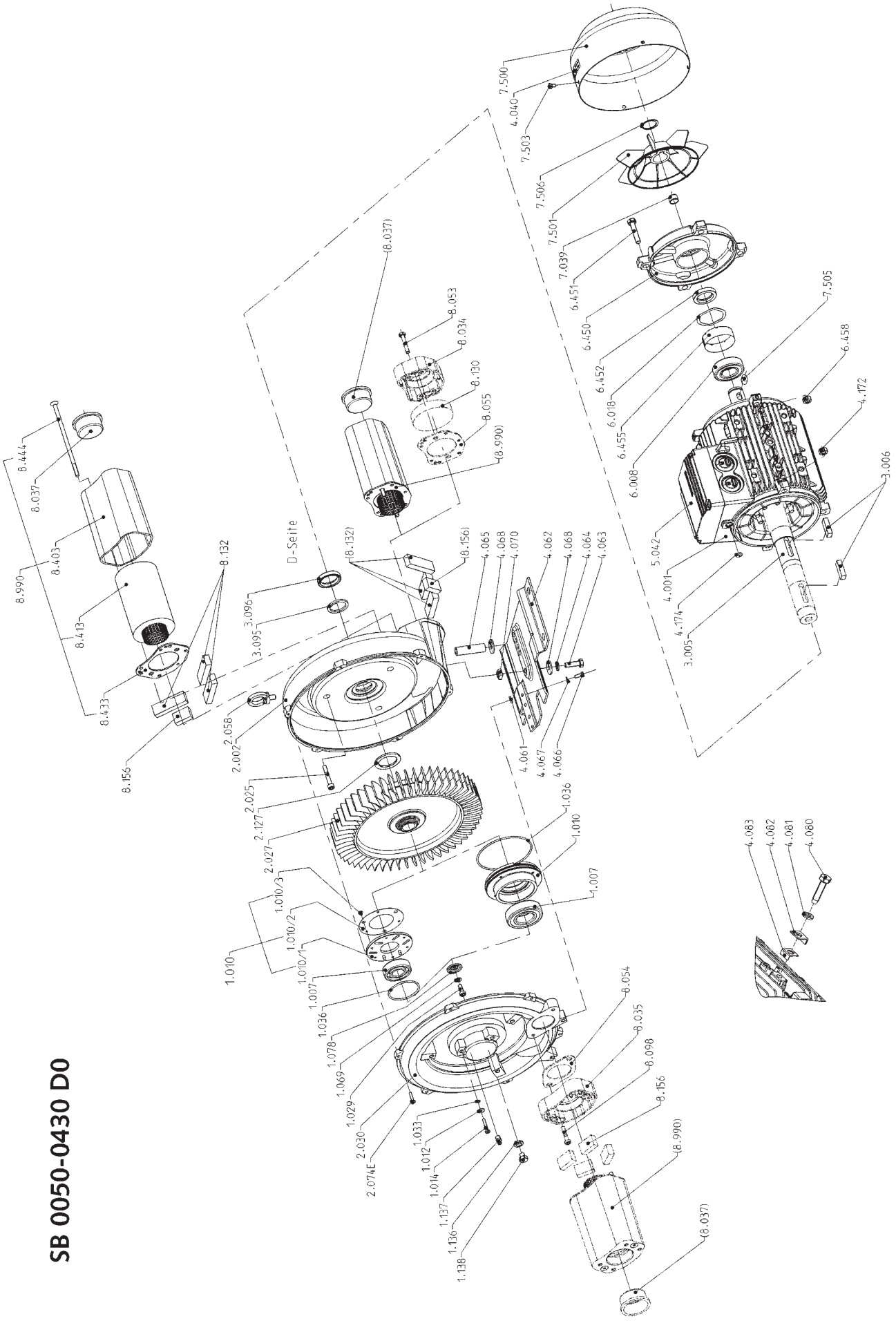
"Electromagnetic Compatibility" 89/336/EEC

have been designed and manufactured to the following specifications:

Standard	Title of the Standard
Harmonised Standards	
EN 292-1 EN 292-2	Safety of machinery – Basic concepts, general principles of design - Part 1 and 2
EN 294	Safety of machinery - Safety distance to prevent danger zones being reached by the upper limbs
EN 1012-1 EN 1012-2	Compressors and vacuum pumps - Safety requirements - Part 1 and 2
EN 60204-1	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN 61000-6-1 EN 61000-6-2	Electromagnetic compatibility (EMC) - Generic immunity standards
EN 61000-6-3 EN 61000-6-4	Electromagnetic compatibility (EMC) - Generic emission standards
EN 60079-10 EN 60079-14	Electrical apparatus for explosive gas atmospheres - Part 10 and 14
National Standard	
DIN 45635-13	Measurement of airborne noise emitted by machines - enveloping surface method - Compressors, vacuum pumps included (displacement-, turbo- and jet-compressors)

Manufacturer

Dr.-Ing. Karl Busch
General director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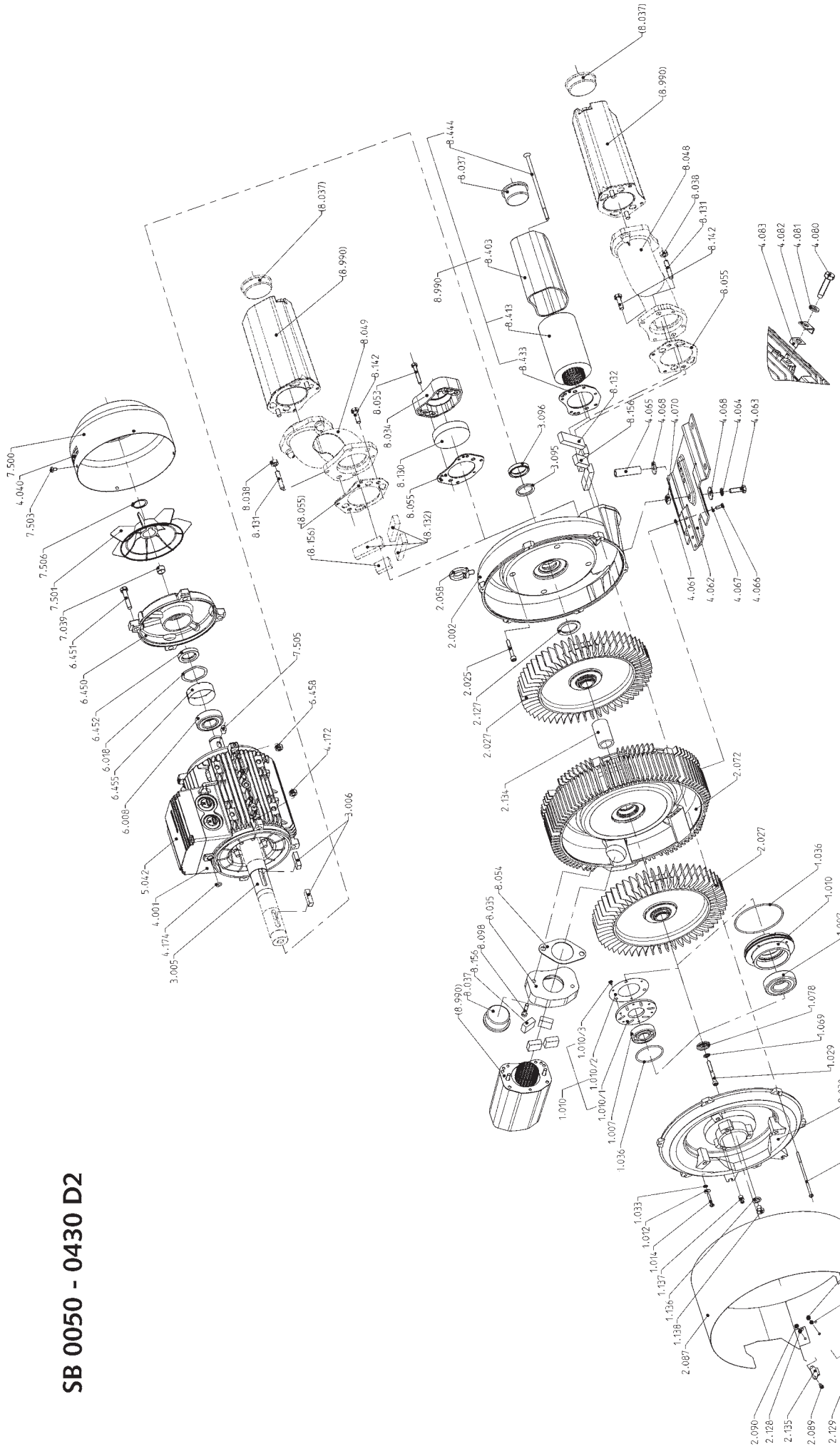
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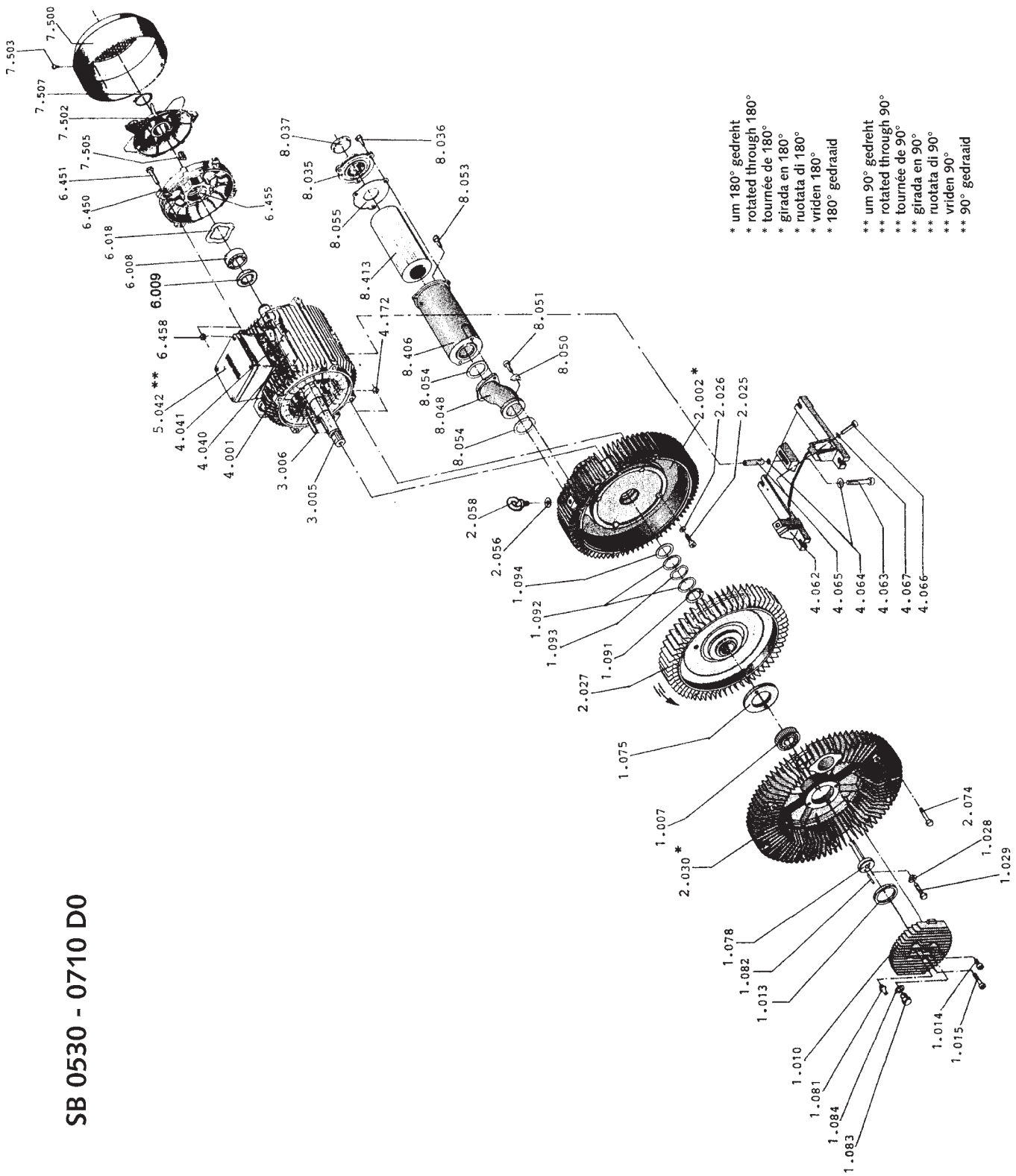
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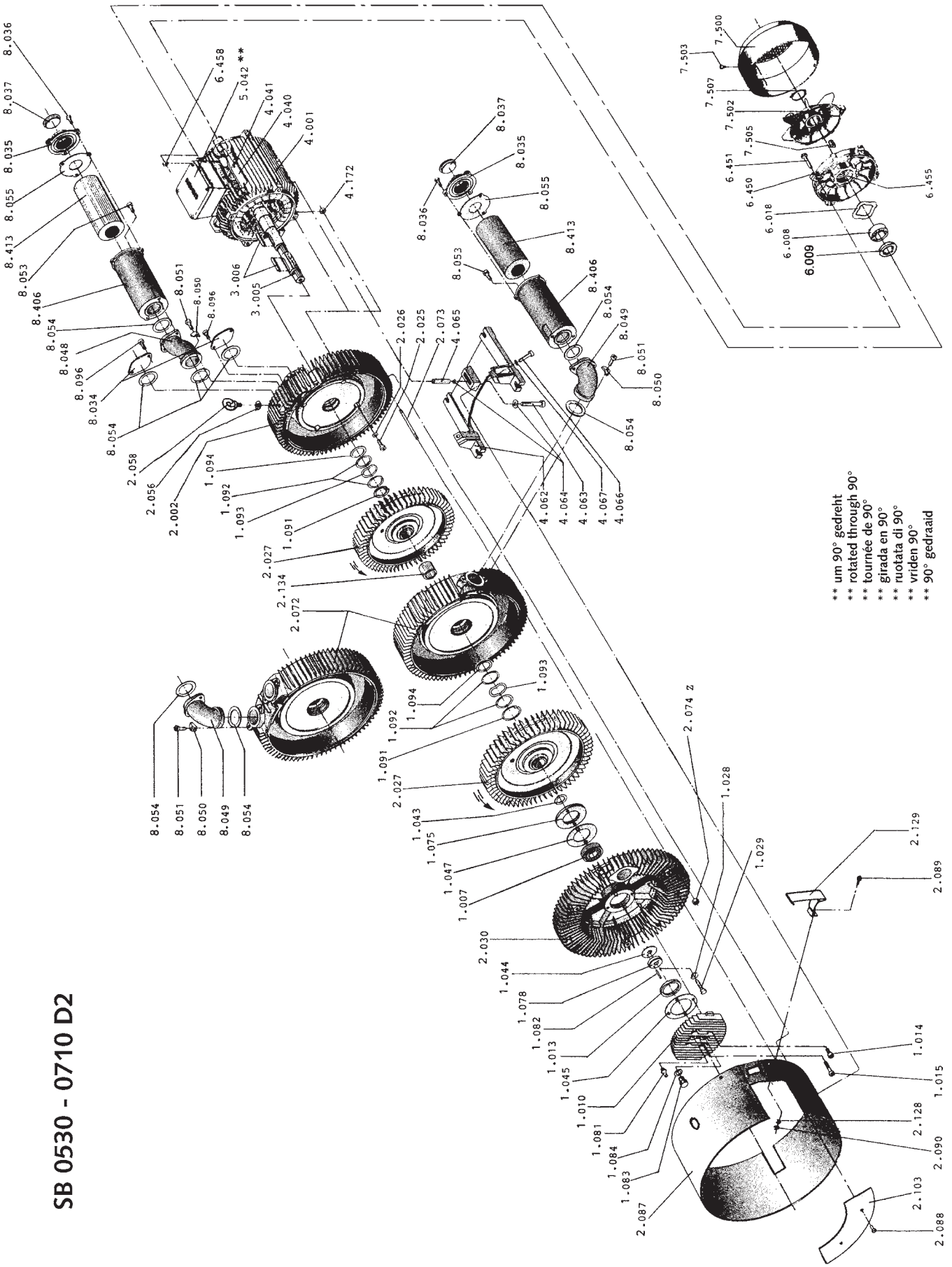
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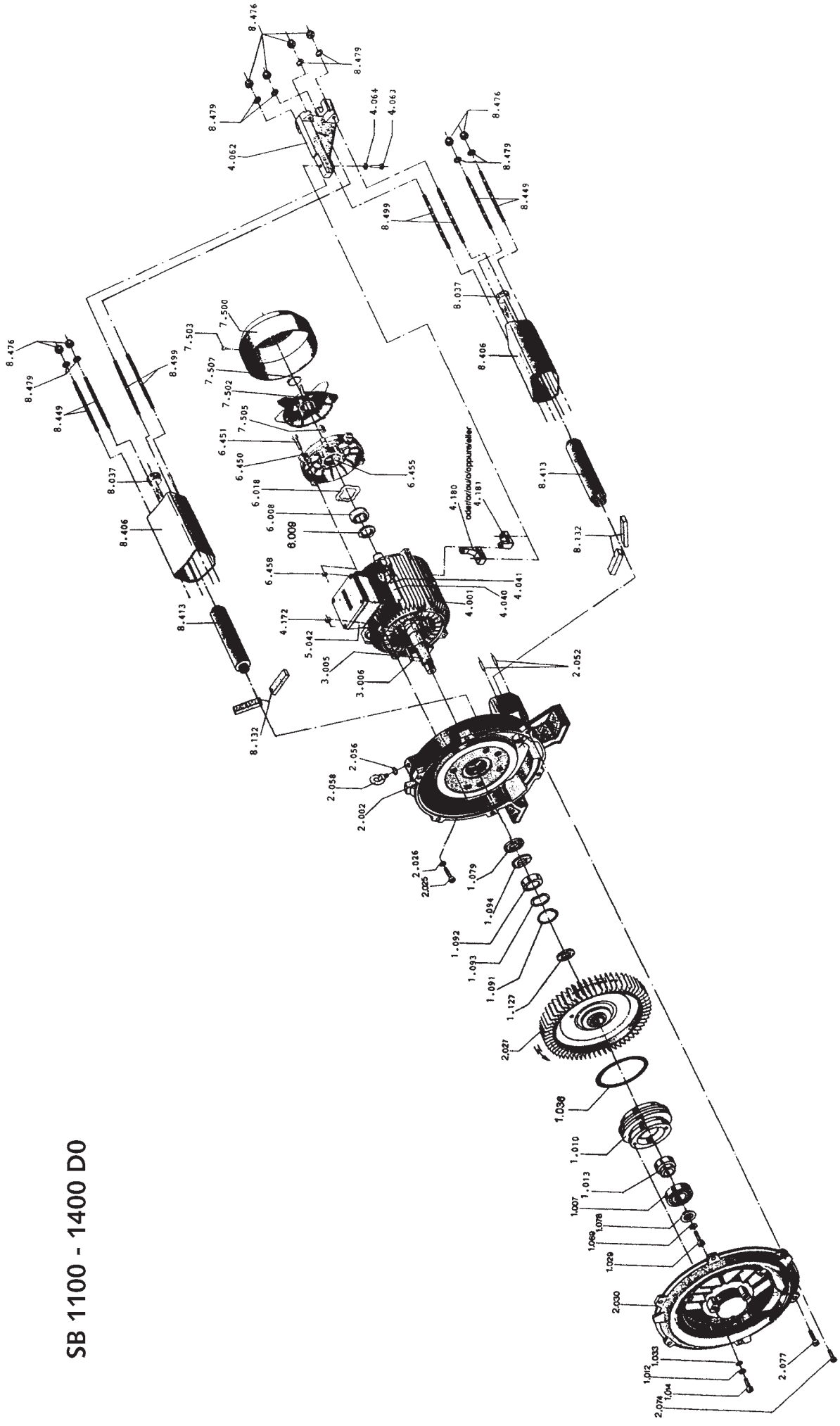

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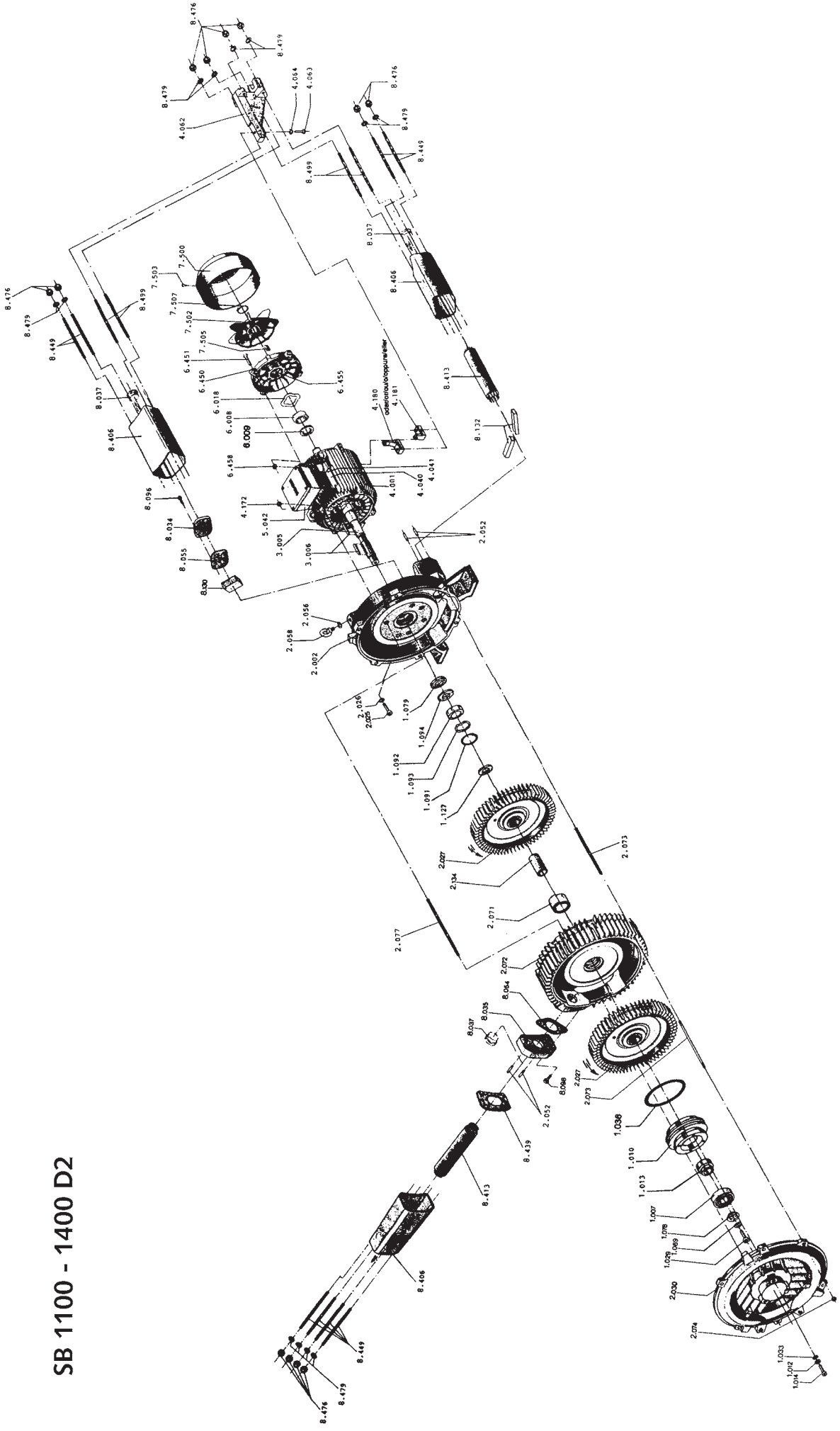
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Operating Instructions

CE

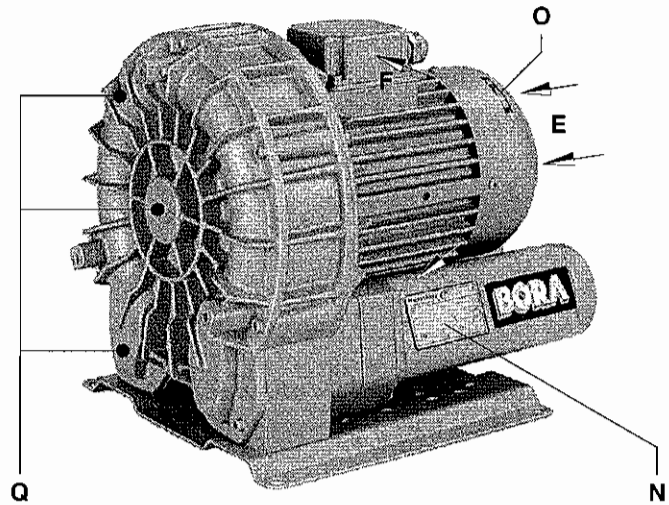
Elmo Rietschle
A Gardner Denver Product

Side channel vacuum pumps / Side channel compressors

SAH

BORA

- SAH 25
- SAH 45
- SAH 55
- SAH 75
- SAH 95
- SAH 155
- SAH 215
- SAH 235
- SAH 275
- SAH 355
- SAH 505



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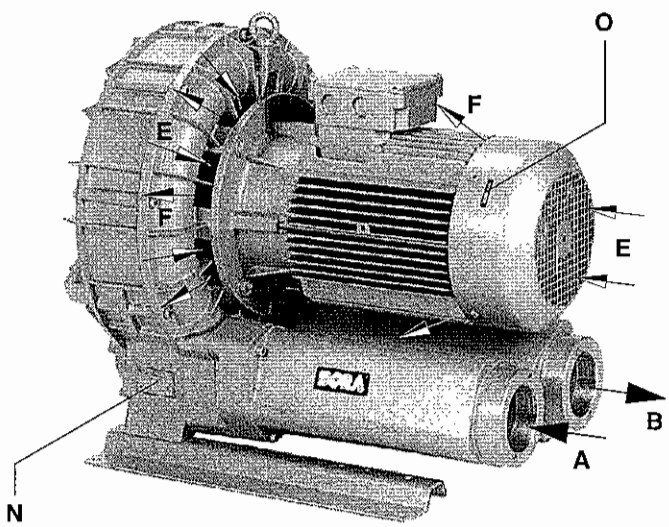
Pump ranges

These operating instructions concern the following side channel vacuum pumps and compressors: SAH
The performance curves showing capacity against vacuum or pressure can be seen in data sheets D 556/1, D 556/2 and D 556/3 or D 656/1, D 656/2 and D 656/3.

Description

All SAH models work according to the dynamic compression principle utilising a non contact rotating impellor. They have a built-in motor. A high efficiency two stage impellor is fitted on to the motorshaft. Models up to SAH / 4.8 kW (picture ❶) use the motor fan for cooling. Models SAH / 5.5 kW and larger (picture ❷) have an additional cooling fan situated between the motor and blower housing.
Air inlet and outlets have built-in silencers with the addition of a mesh disc on the suction silencer to protect the unit from particles larger than 5 mm. Both the inlet and outlet have an inside connection thread corresponding to DIN ISO 228.
Versions of the SAH have on the suction side a solenoid valve and on the pressure side different connection flanges.
All the parts are made from a special aluminium alloy except for the motor rotor, stator and shaft.
Optional extras: As required, vacuum or pressure limiting valve, non-return valve, suction filter, motor starter, vacuum/ pressure change over valve.
Special versions: anti corrosive internal coating, gas tight version.



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BE 556

1.10.2008

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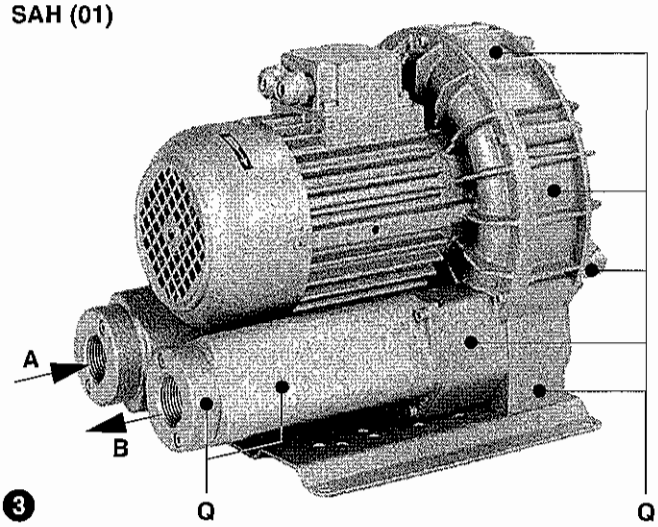
SAH (01)



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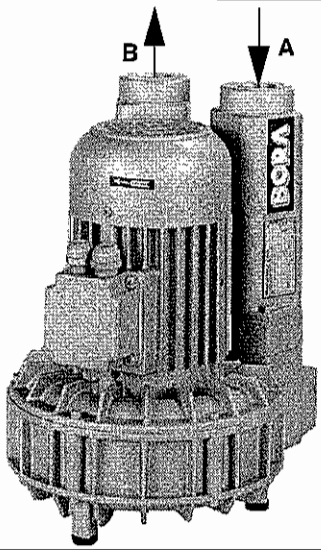
SAH (02)



Suitability

⚠ **The units SAH are suitable for use in the industrial field i.e. the protection equipments corresponds to EN DIN 294 table 4, for people aged 14 and above.**

SAH models can be operated as vacuum pumps or compressors. They are suitable for use with air of a relative humidity up to 90 % but not aggressive gases. Gas tight versions are available. The tightness of each unit depends on the shaft seal. The shaft seal lifetime relates directly to the operating conditions.

⚠ **Dangerous mixtures (i.e. inflammable or explosive gases or vapours), water vapour or aggressive gases must not be handled.**

Handling of inflammable or aggressive gases and vapours is only possible with special versions, if the safety instructions XE 1 are noted. Operation in potentially explosive areas is not permissible.

⚠ **The ambient and suction temperatures must be between 5 and 40° C. For temperatures outside this range please contact your supplier.**

For less aggressive media an internal protection coating can be utilised.

The maximum permissible pressure difference for vacuum or pressure depends upon the motor rating. This is indicated on the data plate (N) and is shown in the data sheet for standard voltages and frequency:

SAH 25, SAH 45, SAH 55, SAH 75, SAH 95 see data sheet D 556/1 or D 656/1

SAH 155, SAH 215, SAH 235 see data sheet D 556/2 or D 656/2

SAH 275, SAH 355, SAH 505 see data sheet D 556/3 or D 656/3

Operating above these pressure differences the motor would be overloaded. As well as considering the maximum allowable pressure difference, the amperage should also be checked against the data plate (N).

The loading of each unit depends on the specific gravity of the gas handled. Therefore when handling gases other than air, there are other pressure difference limits to be considered. Please contact the supplier for further advice.

If it is possible for the flow to be throttled more than the allowed limits, then the use of vacuum or pressure limitation valves (optional extras) should be considered.

The maximum permissible internal pressure is 3.5 bar(abs). With this pressure the performance is reduced.

⚠ **For all applications where an unplanned shut down of the blower could possibly cause harm to persons or installations, the corresponding safety backup system must be installed.**

Handling and Setting up (pictures ❶, ❷ and ❸)

⚠ **Pumps that have reached operating temperature may have a surface temperature at position (Q) of more than 70° C. WARNING! Do Not Touch.**

The blower, especially when the units are built-in, the cooling air entries (E) and the cooling air exits (F) must have a minimum distance of 10 cm from any obstruction. The discharged cooling air must not be re-circulated.

SAH units can be operated in different positions.

SAH (01) models can be installed on a solid floor without bolting down. When installing SAH (02) models, i.e. motor vertically upwards, you must secure against torque reaction on start-up. When fitting onto framework we recommend using anti-vibration mounts.

⚠ **For installations that are higher than 1000 m above sea level there will be a loss in capacity. For further advice please contact your supplier.**

Installation (pictures ❶, ❷ and ❸)

⚠ **For operating and installation follow any relevant national standards that are in operation.**

1. Please remove transportation lock at (A) and (B).
2. When on vacuum operation connect the suction pipe at (A) and when on pressure operation connect the pressure pipe at (B).

⚠ **Long and/or small bore pipework should be avoided as this tends to reduce the capacity of the blower.**

If alternate vacuum or pressure is required, a changeover valve (ZWS) can be fitted (optional extra). In this case there is only one connection for vacuum or pressure operation.

3. The electrical data can be found on the data plate (N) or the motor data plate. The motors correspond to DIN/VDE 0530 and have IP 55 protection and insulation class F. The connection diagram can be found in the motor terminal box (unless a special plug connection is fitted). Check the electrical data of the motor for compatibility with your available supply (voltage, frequency, permissible current etc.).
4. Connect the motor via a motor starter. It is advisable to use thermal overload motor starters to protect the motor and wiring. All cabling used on starters should be secured with good quality cable clamps.
   We recommend that motor starters should be used that are fitted with a time delayed trip resulting from running beyond the amperage setting. When the unit is started cold overamperage may occur for a short time.
   When using a changeover valve (ZWS) the solenoid must also be connected. The voltage information on the solenoid should also be checked.

⚠ **The electrical installation may only be made by a qualified electrician under the observance of EN 60204. The main switch must be provided by the operator.**

Initial Operation (pictures ❶ and ❷)

⚠ **Maximum number of starts per hour: 10**

1. Initially switch the pump on and off for a few seconds to check the direction of rotation against the direction arrow (O).
2. When installed on the application and under the highest possible load conditions, the pressure differences of the unit may not be higher than the max. allowable pressure differences shown on the data plate (N).
   Note: If these values are exceeded when the unit is running on normal operating temperature an unloading of the unit is required by utilising limitation valves ZBS, ZUV or ZBD (optional extra).
3. A comparison of the measured current amperage with the max. current amperage on the data plate (N) is not advisable, because the current amperage depends on the voltage.

Potential risks for operating personnel

Noise Emission: The worst noise levels considering direction and intensity (sound power), measured according to DIN 45635 part 13 (as per 3. GSGV), are shown in the table at the back. When working permanently in the vicinity of an operating unit we recommend wearing ear protection to avoid any damage to hearing.

Maintenance and Servicing

⚠ **When maintaining these units and where a situation exists where personnel could be hurt by moving parts or by live electrical parts the blower must be isolated by totally disconnecting the electrical supply. It is imperative that the unit cannot be re-started during the maintenance operation.**

Do not maintain a blower that is at its normal operating temperature as there is a danger from hot parts.

In case of capacitor failure (1 ~ drive) replace the capacitor only with one that has identical rated value.

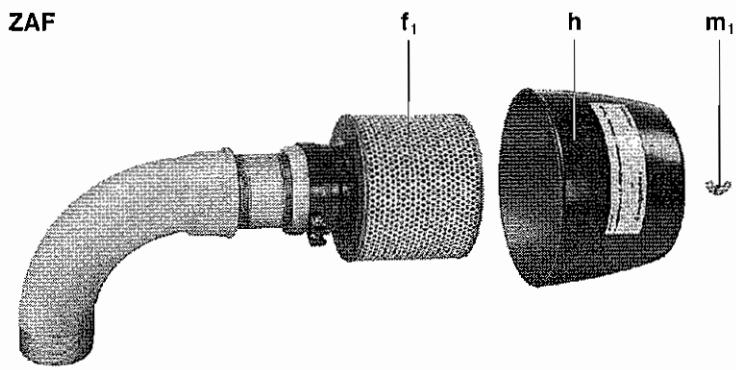
The pressure leading pipes must be ventilated before dismantling.

These side channel vacuum pumps and compressors need no maintenance apart from filtration.

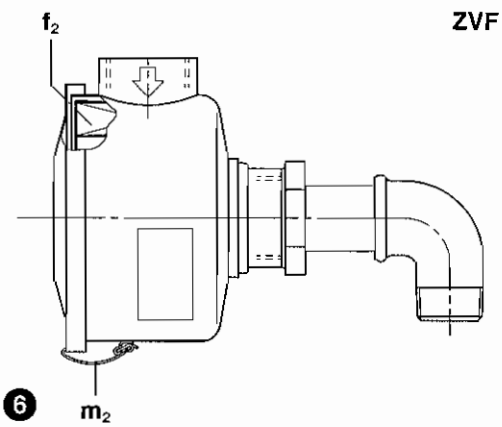
⚠ **The capacity of the blower can be reduced if the air inlet filters are not maintained correctly.**

1. Mesh disc on the silencing housing:
   Cleaning of this is possible through the opening (A) and (B).
2. Additional filter (optional extra):
   The suction filter (ZAF) should be cleaned every 250 operating hours and changed every 3000 operating hours. Changing the filter: unscrew wing nut (m_1). Remove filter cover (h) and filter cartridge (f_1). The filter cartridge can be cleaned by knocking out by hand or by using compressed air. Replace the filter cartridge if necessary. Re-assemble in reverse order (see picture ❺).
   The filter cartridge (f_2) of the vacuum tight suction filter (ZVF) must be cleaned regularly, again depending upon the amount of contamination. Cleaning can be achieved by washing or by blowing out with compressed air. Replace the filter cartridge if necessary. The cartridge (f_2) can be removed completely by undoing the relevant retaining clips (m_2) (see picture ❻).
3. Bearings:
   The units have bearings that are greased for life and require no maintenance.

⚠ **Handling of inflammable or aggressive gases and vapours is only possible with special versions, if the safety instructions XE 1 are noted.**



❺



❻

Trouble Shooting:

1. **Blower does not reach operating speed when starting:**

1.1 Check that the incoming voltage and frequency corresponds with the motor data plate.

1.2 Check the connections on the motor terminal block.

2. **Motor starter cuts out blower:**

2.1 Problem as per 1.1 and 1.2.

2.2 Incorrect setting on the motor starter.

2.3 Motor starter trips too fast.
Solution: Use a motor starter with a time delay trip (version as per IEC 947-4).

2.4 Blower is overloaded, i.e. pressure difference is too high.
Solution: Increase the inlet or outlet diameter of the application, on pipework increase the diameter of the pipework, avoid restrictions in the line. Limit the pressure difference by limitation valves (optional extra).

2.5 Motor rating selected was too small.
Solution: If available use a blower with the next motor size (exchange of the motor only is not possible).

3. **Required pressure difference cannot be achieved:**

3.1 Blower or motor rating selected, was too small.

3.2 Filters are contaminated.

3.3 Pressure loss into pipework too high.
Solution: Use bigger pipe diameter, avoid restrictions.

3.4 Leaks on the system.

4. **Blower operates at an abnormally high temperature:**

4.1 Ambient or suction temperature is too hot.

4.2 Pressure difference is higher than permitted.

4.3 Cooling air flow is restricted.

5. **Exhaust noise (vacuum pump) or suction noise (compressor) are unacceptable:**
Solution: Use an additional silencer ZGD (optional extra).

6. **Change over valve ZWS (accessory) does not work:**

6.1 Check that the incoming voltage and frequency correspond with the information on the solenoid.

6.2 Change over valve is contaminated.
Solution: Dismantle and clean.

Appendix:

Repair on Site: For all repairs on site an electrician must disconnect the motor so that an accidental start of the unit cannot happen.
All engineers are recommended to consult the original manufacturer or one of the subsidiaries, agents or service agents. The address of the nearest repair workshop can be obtained from the manufacturer on application.
After a repair or before re-installation follow the instructions as shown under the headings "Installation and Initial Operation".

Lifting and Transport: To lift and transport units SAH 95 to SAH 505 the eye bolt on the pump must be used.
The weight of the blowers are shown in the accompanying table.

Storage: SAH units must be stored in dry ambient conditions with normal humidity. We recommend for a relative humidity of over 80% that the pump units should be stored in a closed container with the appropriate drying agents.

Disposal: The wearing parts (as listed in the spare parts lists) should be disposed of with due regard to health and safety regulations.

Spare parts lists: E 556/1 • SAH 25 —> SAH 155; SAH 215, 235, 275 (4 kW + 4,8 kW)
E 556/2 • SAH 215, 235, 275 (5,5 kW –> 9 kW); SAH 355; SAH 505

SAH			25	45	55	75	95	155	215	235	275	355	505
Noise level (max.)	dB(A)	50 Hz	74	82	82,5	85	84	77	83,5	89	88	85	89
		60 Hz	74	82	82,5	85	84	77	84	89	89,5	86	92
Sound power	dB(A)	50 Hz	-	-	-	89	-	-	-	99	96	95	100
		60 Hz	-	-	-	89	-	-	-	99	97	97	102
Weight (max.)		kg	16,5	20	24,5	26,5	34	52	65	88	110	136	213,5
Length (max.)		mm	337	348	390	390	417	449	552	620	647	734	777
Width		mm	246	255	286	286	336	392	438	458	471	540	540
Height		mm	269	298	324	324	410	447	489	545	567	620	620

Form: OMM-01-0509
Effective: 5/4/09
Supersedes OMM-01-0207
Part No.: 01218

Installation, Safety, Operation & Maintenance Instructions And Parts List

For Models PB, PBS, SPB, LM and LMF.

Arrangement 4 Blowers

NOTE

READ ENTIRE MANUAL, INCLUDING "SECTION IV. INITIAL UNIT STARTUP" BEFORE ATTEMPTING TO INSTALL AND OPERATE THIS EQUIPMENT.

BLOWER SPECIFICATIONS

BLOWER SERIAL NUMBER: _____ **MFG. DATE:** _____

NOTE: The serial number above is a required reference for any assistance. It is stamped on the blower nameplate.

BLOWER SPECIFICATIONS:

Model: _____ **Arrangement:** _____ **Rotation:** _____ **Discharge:** _____

Nominal Inlet Size: _____ (in Inches) **Wheel Size and Type:** _____

BLOWER PERFORMANCE DATA: (If entered on order)

CFM: _____ **SP:** _____ (Inches of Water Gauge) **Motor BHP:** _____

Density: _____ **Altitude:** _____ (Ft. above S.L.) **Airstream Temperature:** _____**°F.**

Fan RPM: _____ **Maximum Safe Fan RPM:** _____ **DO NOT EXCEED THIS RPM**

MOTOR DATA: (This section is completed only if the motor was supplied by Cincinnati Fan)

HP: _____ **RPM:** _____ **Voltage:** _____ **Phase:**_____

Hz: _____ **Frame Size:** _____ **Enclosure:** _____ **Efficiency:** _____

IF Motor is EXP, Class(es) & Group(s) are:_____

Manufacturers Model Number: _____ **CFV Part Number:** _____

ATTENTION: RECEIVING DEPARTMENT

All Cincinnati Fan products are packaged to minimize any damage during shipment. The freight carrier is responsible for delivering all items in their original condition as received from Cincinnati Fan. The individual receiving this equipment is responsible for inspecting this unit for any obvious or concealed damage. If any damage is found, it should be noted on the bill of lading before the freight is accepted and the receiver must file a claim with the freight carrier.

LONG TERM STORAGE NOTICE

If this blower will NOT be installed and put into operation within 30 days, refer to the "Long Term Storage Instructions" on pages 12 and 13. Failure to follow all applicable long term storage instructions, will void your warranty. This blower should be stored indoors in a clean, dry location.

⚠ DANGER

				
Hazardous voltage can cause electrical shock and death.	High speed rotating equipment can cause severe personal injury.	Lock out/Tag out to prevent personal injury BEFORE starting ANY service or inspection.	Avoid injury. NEVER operate without ALL required safety guards in place.	Avoid injury. You MUST read and understand all instructions in this manual BEFORE installing.

TABLE OF CONTENTS

I. GENERAL

A. Unpacking:

Be careful not to damage or deform any parts of the blower when removing it from the packaging container. **All the packaging material should be kept in the event the blower needs to be returned.**

Handling:

Handling of the blower should be performed by trained personnel and be consistent with all safe handling practices. Verify that all lifting equipment is in good operating condition and has the proper lifting capacity. The blower should be lifted using well-padded chains, cables or lifting straps with spreader bars. Some blower models have lifting eye locations provided in the blower base. **NEVER lift the blower by an inlet or discharge flange, motor shaft, motor eye bolt, or any other part of the blower assembly that could cause distortion of the blower assembly.**

B. Safety Instructions & Accessories:

1. **Safety Instructions:**
   All installers, operators and maintenance personnel should read AMCA Publication 410-96, **"Recommended Safety Practices for Users and Installers of Industrial and Commercial Fans".** This manual is included with the blower. Additional copies can be requested by writing us at Cincinnati Fan, 7697 Snider Rd., Mason, OH 45040-9135
2. **Sound:**
   Some blowers can generate sound that could be hazardous to personnel. It is the responsibility of the user to measure the sound levels of the blower and/or system, determine the degree of personnel exposure, and comply with all applicable safety laws and requirements to protect personnel from excessive noise.

3. Air Pressure and Suction:

In addition to the normal dangers of rotating machinery, the blower can present additional hazards from the suction or pressure created at the blower inlet or discharge. Suction at the blower inlet can draw materials into the blower where they become high velocity projectiles at the discharge and cause severe personal injury or death. It can also be extremely dangerous to persons in close proximity to the inlet or discharge as the forces involved can overcome the strength of most individuals.

⚠ WARNING

NEVER OPERATE A BLOWER WITH A NON-DUCTED INLET AND/OR DISCHARGE. IF THE BLOWER INLET AND/OR DISCHARGE IS NON-DUCTED, IT IS THE USERS RESPONSIBILITY TO INSTALL AN INLET AND/OR DISCHARGE GUARD.

4. Temperature:

Many blowers, blower components and all motors operate at temperatures that could burn someone if they come in contact with them. If this potential hazard could exist in your installation, steps must be taken by the user to protect anyone from coming in contact with this equipment.

5. Spark Resistance; (Per AMCA Standard 99-0401-86 and ISO 13499)

⚠ DANGER

NO GUARANTEE OF ANY LEVEL OF SPARK RESISTANCE IS IMPLIED BY SPARK RESISTANT CONSTRUCTION. IT HAS BEEN DEMONSTRATED THAT ALUMINUM IMPELLERS RUBBING ON RUSTY STEEL CAN CAUSE HIGH INTENSITY SPARKS. AIR STREAM MATERIAL AND DEBRIS OR OTHER SYSTEM FACTORS CAN ALSO CAUSE SPARKS.

6. Safety Accessories;

Guards:

All moving parts must be guarded to protect personnel. Safety requirements can vary, so the number and types of guards required to meet company, local, state and OSHA regulations must be determined and specified by the actual user or operator of the equipment.

NEVER start any blower without having all required safety guards properly installed. All blowers should be checked on a regular schedule, for missing or damaged guards. If any required guards are found to be missing or defective, the power to the blower should be immediately turned off and locked out in accordance with OSHA regulations. Power to the blower should NOT be tuned back on until the required guards have been repaired or replaced.

This blower can become dangerous due to a potential “windmill” effect, even though all electrical power has been turned off or disconnected. The blower wheel should be **carefully** secured to prevent any rotational turning ***BEFORE*** working on any parts of the blower/motor assembly that could move.

7. Access or Inspection Doors:

⚠ DANGER

NEVER OPEN ANY ACCESS OR INSPECTION DOORS WHILE THE BLOWER IS OPERATING. SERIOUS INJURY OR DEATH COULD RESULT FROM THE AFFECTS OF AIR PRESSURE, AIR SUCTION OR MATERIAL THAT IS BEING CONVEYED. DISCONNECT OR LOCK OUT POWER TO THE BLOWER AND LET THE BLOWER WHEEL COME TO A COMPLETE STOP *BEFORE* OPENING ANY TYPE OF ACCESS OR INSPECTION DOOR.

II. INSTALLATION

A. Vibration:

Before any mounting method is selected, the user should be aware of the effects vibration will have on the blower, motor and other parts. Improper blower installation can cause excessive vibration causing premature wheel and/or motor bearing failure, that is not covered under warranty. Vibration eliminator pads, springs or bases should be properly installed to prevent any blower vibration from transmitting to the foundation, support structure or ducting.

⚠ WARNING

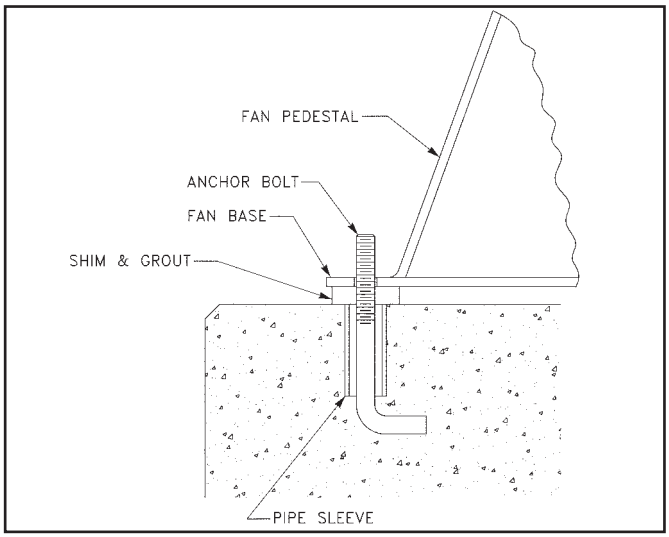
SHUT THE BLOWER DOWN IMMEDIATELY IF THERE IS ANY SUDDEN INCREASE IN VIBRATION.

B. Mounting Methods:

1. Floor Mounted Units;

Centrifugal blowers should be mounted on a flat, level, concrete foundation weighing 2-3 times the weight of the complete blower/motor assembly. It is recommended that the foundation be at least 6 inches larger than the base of the blower. The foundation should include anchor bolts such as shown in **Fig. 1** on page 4. Place the blower over the anchor bolts and shim under each bolt until the blower is level. After shimming, flat washers, lock washers and lock nuts should be tightened at each anchor bolt. Any gaps between the blower base and the foundation should be grouted. If the blower will be sitting on some type of vibration pads or mounts, follow the recommended mounting procedures supplied with the vibration elimination equipment.

Fig. 1



2. Elevated Units;

Improper mounting of elevated blowers can cause vibration problems. The structure that the blower/motor assembly will be mounted on must be strong enough to support at least 3 times the weight of the entire blower/motor assembly. **An insufficient support will cause excessive vibration and lead to premature wheel and/or motor bearing failure**. Bracing of the support structure must be sufficient enough to prevent any side sway. The entire structure should be welded at all connection joints to maintain constant alignment of the platform.

⚠ DANGER

THE IMPROPER DESIGN OF AN ELEVATED PLATFORM STRUCTURE COULD RESULT IN A RESONANT CONDITION, AND CONSEQUENTLY, CAUSE A LIFE THREATENING, CATASTROPHIC, STRUCTURAL FAILURE.

C. Duct Work Connections:

All duct connections to the blower should include flexible connectors between the ducting and the blower inlet and/or discharge. This will eliminate distortion, noise and vibration from transmitting to the duct and building. The connectors should be selected to handle the operating conditions for air volume and pressure that the blower will produce. **All ducting or accessories, added by the user, should be independently supported. DO NOT use the blower/motor assembly to support any additional weight.** Inlet and/or discharge duct elbows should be located a minimum of 2 blower wheel diameters from the blower. Any duct elbows located closer than 2 wheel diameters to the blower inlet or discharge **WILL** reduce the air performance and blower efficiency. Any duct elbows near the blower discharge should be in the **same rotational direction** as the **blower rotation**.

Non-Ducted Blower Inlet:

Any blower with no ducting on the inlet **must** have an inlet guard. The blower should be located so the blower inlet is, at least, 1 wheel diameter away from any wall or bulkhead to eliminate a reduction in air flow.

Non-Ducted Blower Discharge:

Any blower with no ducting on the discharge **must** have a discharge guard.

D. Safety Guards:

Cincinnati Fan offers guards, as optional, to keep your blower in compliance with OSHA safety regulations. These include inlet or discharge guards. Any blowers built with high temperature construction, a “heat slinger guard” is standard. It is the responsibility of the user to make sure this blower meets all local, state and OSHA safety regulations. If you have a specific guard requirement not covered by OSHA, please contact the local Cincinnati Fan sales office for assistance.

E. Dampers and Valves: (Airflow control devices)

If the blower is supplied with any type of air flow control device, it should be closed before initial start-up of the blower to minimize overloading of the motor. Any airflow control device, with bearings, should be maintained in accordance with the manufacturers instructions. Any air flow control device, with an automatic control mechanism, should be adjusted per the manufacturers recommendations.

F. Set Screw and Taper-lock Bushing Torque Values:

All blower wheel set screws are tightened to the proper torque prior to shipment. Some wheels may have taper-lock hubs and split, taper-lock bushings to secure the wheel to the motor shaft.

NOTE: Check all set screw or taper-lock bushing torques. Forces encountered during shipment, handling, rigging and temperature can affect factory settings. For correct torque values, see **Tables 1** and **2** below.

Table 1

SET SCREW TORQUE VALUES		
Diameter & Number of Treads/Inch	**Hex Wrence Size (Across Flats)**	**Required Torque (Inch Pounds)**
1/4-20	1/8"	65
5/16-18	5/32"	165
3/8-16	3/16"	228
7/16-14	7/32"	348
1/2-13	1/4"	504
5/8-11	5/16"	1104

Table 2

TORQUE VALUES FOR TAPER-LOCK BUSHINGS	
Taper-lock Bushing Size	**Required Torque (Inch Pounds)**
H	95
B	192
P	192
Q	350
R	350

⚠ CAUTION

Set screws should NEVER be used more than once. If the set screws are loosened, they MUST be replaced. Use only knurled, cup-point, set screws with a nylon locking patch.

III. ELECTRICAL

A. Disconnect Switches:

All blower motors should have an independent disconnect switch located in close visual proximity to turn off the electrical service to the blower motor. **Disconnects must be locked out in accordance with OSHA "lock out-tag out" procedures any time inspection or maintenance is being performed on the blower and/or motor assembly. The "lock out-tag out" procedure should be performed by a licensed electrician or authorized personnel.** All disconnects should be sized in accordance with the latest NEC codes (National Electric Codes) and any local codes and should be installed only by a licensed electrician. "Slow blow" or "time delay" fuses or breakers should be used since the initial start-up time for the blower motor, although rare, can be up to 10 seconds.

B. Motors:

⚠ DANGER

ALL WIRING CONNECTIONS, INSPECTION AND MAINTENANCE OF ANY MOTOR MUST BE PERFORMED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE MOTOR MANUFACTURERS RECOMMENDATIONS, ALL ELECTRICAL CODES AND OSHA REGULATIONS. FAILURE TO PROPERLY INSTALL, MAKE WIRING CONNECTIONS, INSPECT OR PERFORM ANY MAINTENANCE TO A MOTOR CAN RESULT IN MOTOR FAILURE, PROPERTY DAMAGE, EXPLOSION, ELECTRICAL SHOCK AND DEATH.

1. **DO NOT connect or operate a motor without reading the motor manufacturers instructions supplied with the blower.** The basic principle of motor maintenance is: **KEEP THE MOTOR CLEAN AND DRY.** This requires periodic inspections of the motor. The frequency of the inspections depends on the type of motor, the service and environment it will be subjected to and the motor manufacturers instructions.
2. **Cleaning:** Cleaning should be limited to exterior surfaces only. **Follow motor manufacturers cleaning instructions.**
3. **Lubrication:** Most small motors have sealed bearings that are permanently lubricated for the life of the motor. Some larger motors have grease plugs that should be replaced with grease fittings to perform re-lubrication. These motors, or any motor with grease fittings, should be lubricated in accordance with the motor manufacturers recommendations. Lubrication frequency depends on the motor horsepower, speed and service. **BE SURE** you use compatible grease and **DO NOT** over grease.
4. **Location:** If the motor will be outside and subjected to the weather, it is recommended that a weather cover be installed to keep rain and snow off of the motor. No motors are guaranteed to be "watertight". Be careful to allow enough openings between the motor and the motor cover to let the motor "breath". If the back end of the motor is covered, the cover should be no closer than 3" to the back of the motor for proper ventilation.

5. **Wiring Connections:** All wiring connections should be made for the proper voltage and phase as shown on the motor nameplate. Connections should follow the motor manufacturers recommendations as shown on the wiring schematic. This wiring diagram will be located on the outside of the motor, inside of the motor conduit box or on the motor nameplate. **Reversing some wires might be necessary to get the correct blower rotation.**
6. **Motors with Thermal Overload Protection:** If a motor is equipped with thermal overloads, the thermal overload must be wired per the wiring schematic to be operable. ***There are 3 types of thermal overloads:***
   a. **Automatic:** These will automatically shut the motor down if the internal temperature exceeds the design limits.

⚠ DANGER

MAKE SURE YOU LOCK OUT THE POWER TO THE MOTOR BEFORE INSPECTING ANY MOTOR WITH AUTOMATIC THERMALS. WHEN THE THERMALS COOL DOWN, THEY WILL ALLOW THE MOTOR TO AUTOMATICALLY START UP AGAIN, UNLESS YOU HAVE LOCKED OUT THE POWER TO THE MOTOR.

   b. **Manual:** These motors will have a button on them. If the motor overheats, it will shut down. After you have inspected the motor and eliminated the over heating problem, you will need to "reset" it by pushing the button. **You should still lock out the power BEFORE inspecting the motor.**
   c. **Thermostats:** This type of thermal is a temperature sensing device **ONLY**. If the motor overheats, the thermostats will open or close (depending on the type) and send a **"signal"** to the electrical box. ***THEY WILL NOT TURN THE MOTOR OFF.*** **These are pilot circuit devices that must be connected to the magnetic starter circuit.**

7. **EXPLOSION PROOF Motors:** No motor is explosion proof. Explosion proof (EXP) motors are designed so if there is an explosion **WITHIN** the motor, the explosion will be **CONTAINED INSIDE** the motor and not allowed to get out to the atmosphere. All explosion proof motors must be selected based on the atmosphere and/or the environment the motor will be operating in. Explosion proof motors are designed, rated, and labeled for their operating conditions based on Classes, Groups and "T" Codes. **The Class, Group and "T" Code of an EXP motor MUST be selected based on the atmosphere and/or environmental conditions the motor will be operating in. Consult the NEC (National Electric Code) and the NFPA (National Fire Protection Association) for the proper EXP motor Class, Group and "T" Code required for your specific application and location.**

⚠ DANGER

IF AN EXPLOSION PROOF MOTOR IS USED IN AN AREA CONTAINING VOLITILE LIQUIDS, GASES, FUMES OR DUST FOR WHICH THE MOTOR WAS NOT DESIGNED TO OPERATE IN, AN EXPLOSION AND/OR FIRE CAN OCCUR.

NOTICE:

   a. **All EXP motors have some type of thermal overload as required by UL (Underwriters Laboratories). Refer to all of Section 6 above.**
   b. **All EXP motors are required to have the UL (Underwriters Laboratories) and CSA (Canadian Standards Association) listing numbers on the motor name plate or on a separate plate attached to the motor. The Class, Group and "T" Code the motor is designed for must also be listed.**

8. **Normal Motor Operating Temperatures:**
   Using your hand to test the normal running temperature of a motor can be a very painful experience;
   The normal operating temperature of a fully loaded, open type, electric motor operating in a 70°F. (21° C.) ambient temperature is 174°F. (79° C.)

C. Maximum Blower Speed and Motor Speed Controllers:

If you will be using any type of motor speed controller with this blower, **DO NOT** exceed the **maximum safe blower speed**. Installing and using a speed control device requires special training and certification as required by the speed control manufacturer. See the manufacturers instructions for proper use, installation and wiring connections for the maximum speed settings. It may also be necessary to "block out" some speeds to eliminate a resonant vibration problem. The maximum safe blower speed is shown on the data sheet shipped with the blower. If you have lost the data sheet, contact Cincinnati Fan or our sales office for your area. You must have the serial number from the **blower** name plate for us to determine the maximum safe blower speed. Cincinnati Fan will only extend the motor manufacturers warranty, when used with a speed controlling device, if the motor has the words **"Inverter Duty"** marked on the motor name plate. If the motor does not have **"Inverter Duty"** marked on the motor name plate, and you have a motor failure, you will be required to contact the motor manufacturer for any service or warranty claims.

IV. INITIAL UNIT STARTUP

NOTICE: Failure to complete and document all the following pre-startup and both post-startup checks, listed in sections A (below) and B on page 8, could void all warranties.

A. Pre-Startup & Post-Startup Checks: (Check blocks as each step is completed. Retain this for your records.)

A1. Pre-Startup Checks Completed By: _____ DATE: _____

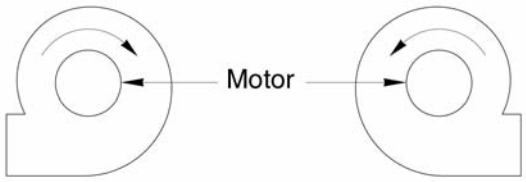
A2. 8 Hour, Post-Startup Checks Completed By: _____ DATE: _____

A3. 3 Day, Post-Startup Checks Completed By: _____ DATE: _____

MAKE SURE POWER TO THE MOTOR IS LOCKED OUT BEFORE STARTING PRE-STARTUP OR POST-STARTUP CHECKS.

1. ☐☐☐ If possible, *CAREFULLY* spin the blower wheel by hand to ensure it rotates freely and no rubbing or clicking noise is heard.
2. ☐☐☐ Check all blower, foundation and duct work hardware to make sure it is tight.
3. ☐☐☐ Check all blower wheel set screws to make sure they are tight per **Table 1** on page 5.
4. ☐☐☐ If the wheel has a taper-lock bushing, make sure the bolts are tightened per **Table 2** on page 5.
5. ☐☐☐ Make certain there is no foreign material in the blower or duct work that can become a projectile.
6. ☐☐☐ Make sure any inspection doors in the duct work are securely bolted or locked.
7. ☐☐☐ Ensure all electrical power components are properly sized and matched for your electrical system.
8. ☐☐☐ Check that all required guards are properly secured.
9. ☐☐☐ Any dampers should be fully opened and closed to make sure there is no binding or interference.
10. ☐☐☐ If your blower is mounted on an elevated support structure, make sure the structure is welded at all the joint connections and the structure is properly braced to prevent “side sway”.
11. ☐☐☐ Close any dampers to minimize load on motor. Especially on blowers with high temperature construction. **Never** subject a “cold” blower to a “hot” gas stream. If the blower will be handling “hot gases” greater than 150°F (65°C) it is imperative that the blower be subjected to a gradual rate of temperature increase, not to exceed 15°F/minute (8°C/minute). The same temperature limits are also important when the blower is experiencing a drop in temperature until the temperature drops down to 150°F (65°C). Only, when the entire blower has reached an equilibrium temperature of 150°F (65°C), or less, should the power be turned off.
12. ☐☐☐ Make sure the power source connections to the blower motor are per the motor manufacturers instructions.
13. ☐☐☐ Make sure the blower wheel is stationary prior to startup. **Starting a blower with a wheel that is rotating backwards can cause wheel damage.**
14. ☐☐☐ Apply power to the blower motor momentarily (i.e. “bump start”) to check for proper blower wheel rotation. If the blower is rotating in the wrong direction, reconnect the motor leads per the motor manufacturers wiring schematic. **Blower rotation is determined by viewing the blower from the motor side of the blower, NOT from the inlet side**. After reconnecting the leads, repeat this step. **See Fig. 2 below.**

Fig. 2



Clockwise (CW) Rotation **Counter-Clockwise (CCW) Rotation**

15. ☐☐☐ Apply power to the blower motor and let it come up to full speed. **Turn off the power.** Look and listen for any unusual noise or mechanical abnormality while the blower wheel is still spinning. If any are noticed, lock out the power, wait for the blower wheel to come to a complete stop, locate the cause and correct it.
16. ☐☐☐ Unlock power and start the blower.
17. ☐☐☐ Measure, record and keep the following motor data for future reference and comparison:
(Single phase motors will only have L1 and L2 leads)

Amperage draw on each motor lead: L1 _____ L2 _____ L3 _____
(Running amps **SHOULD NOT** exceed the motor nameplate amps for the voltage being operated on)

Voltage coming to motor leads: L1_____ L2_____ L3_____
(Should be about the same input voltage on all leads)

B. Vibration:

The blower was balanced at the factory to comply with ANSI/AMCA Standard 204-05, Category BV-2. However, rough handling in shipment and/or erection, weak and/or non-rigid foundations, and misalignment may cause a vibration problem after installation. After installation, the vibration levels should be checked by personnel experienced with vibration analysis and vibration analysis equipment.

NOTE:

The blower SHOULD NOT be operated if the vibration velocity of the fan exceeds 0.50 inches per second, filter out, if the blower is rigidly mounted. If the blower is mounted on isolators or on an isolator base, it SHOULD NOT be operated if the vibration velocity of the blower exceeds 0.75 inches per second, filter out.

Vibration readings for direct driven blowers should be taken on the motor at the top, sides and end as per **Fig. 3** below. After you have taken your vibration readings, write them down in the spaces below and keep for future comparison.

⚠ DANGER

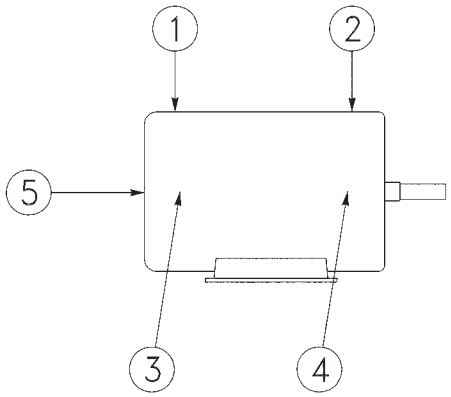
If the blower is going to be conveying material, it is the users responsibility to periodically turn the blower off and lock out the power. The blower wheel should then be checked for material build-up and/or erosion. If material has built up on any parts of the wheel, it MUST be removed and cleaned before it is put back into service. If any parts of the wheel have been eroded, the wheel MUST be replaced. Failure to perform this inspection can cause excessive vibration that will damage the blower and/or motor bearings. When vibration becomes excessive, it will lead to complete blower failure that could cause property damage, severe personal injury and death. The user must determine the frequency of this inspection based on the actual circumstances of their operation, BUT checking the vibration readings should NEVER exceed a 12 month period. For the AMCA/ANSI standard for vibration limits, see Fig. 4 on page 9.

Fig. 3

VIBRATION METER PROBE POSITIONS

For Arrangement 4 Blowers

	1	2	3	4	5
A					
B					
C					

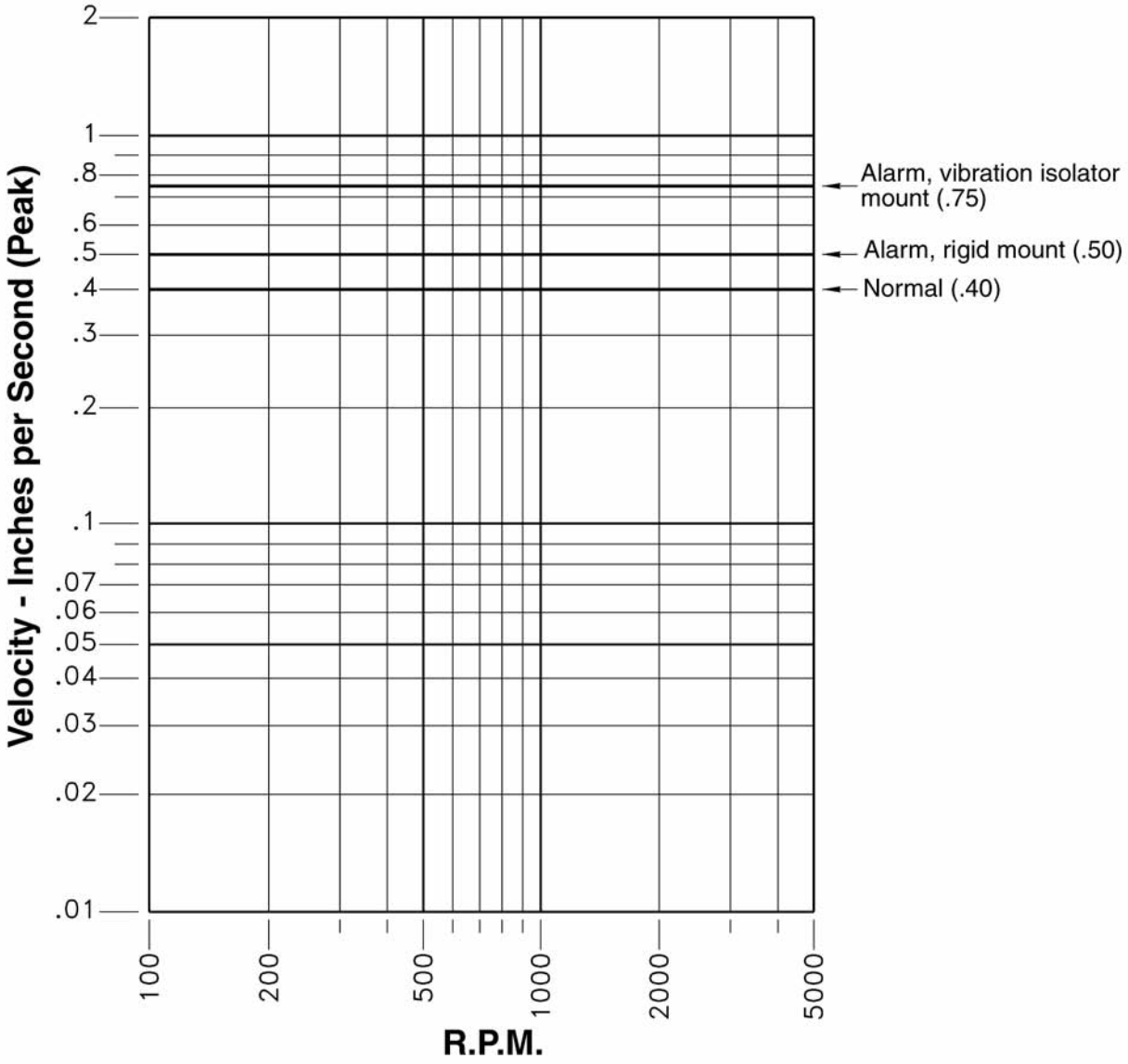


A Pre-Startup ..... Readings taken by: _____ **Date:** _____

B 8 Hour Post-Startup ..... Readings taken by: _____ **Date:** _____

C 3 Day Post-Startup ..... Readings taken by: _____ **Date:** _____

Fig. 4 Vibration Severity Chart



V. ROUTINE INSPECTION & MAINTENANCE

Periodic inspection of all the blower parts is the key to good maintenance and trouble-free operation. The frequency of inspections must be determined by the user and is dependent upon the severity of the application. **BUT,** it should **NEVER** exceed a 12 month period. The user should prepare an inspection and maintenance schedule and make sure it is adhered to.

⚠ WARNING

BEFORE STARTING ANY INSPECTION OR MAINTENANCE, BE SURE BLOWER IS TURNED OFF, POWER IS LOCKED OUT AND THE BLOWER WHEEL HAS BEEN CAREFULLY SECURED TO PREVENT WIND MILLING. IF THE OPERATING CONDITIONS OF THE BLOWER ARE TO BE CHANGED (SPEED, PRESSURE, TEMPERATURE, ETC.) CONSULT CINCINNATI FAN, OR OUR SALES OFFICE FOR YOUR TERRITORY, TO DETERMINE IF THE UNIT WILL OPERATE SAFELY AT THE NEW CONDITIONS.

A. Hardware:

All blower and foundation hardware should be checked to make sure it is tight. Wheel set screws or taper-lock bushings should be tightened to the torque values shown in **Tables 1 and 2** on page 5.

NOTE: If any set screws have come loose, they must be thrown away and replaced. **NEVER** use set screws more than once. **Replace with knurled, cup-point set screws with a nylon locking patch.**

B. Motor Bearing Lubrication:

1. Motor Bearings:

Most smaller motors have sealed bearings that never require re-lubrication for the life of the motor. For any motors with grease fittings, consult the motor manufacturers recommendations with reference to the lubrication frequency and the type of grease that should be used.

DO NOT over grease the motor bearings. Generally, 1-2 shots should be enough. Use a hand operated grease gun at no more than 40 PSI. ***IF POSSIBLE, CAREFULLY*** **lubricate the motor bearings while the motor is running.**

C. Wheel Balance:

All blower wheels are balanced at the factory. It is not uncommon that additional "trim balancing" is required after the blower is assembled. Trim balancing of the blower assembly, in the field, is typically always necessary for all replacement wheels. **After any wheel is installed, the final balance of the entire blower assembly should be checked.** Refer to Section B on page 8 and Fig. 4 on page 9. Air stream material or chemicals can cause abrasion or corrosion of the blower parts. This wear is generally uneven and, over time, will lead to the wheel becoming unbalanced, causing excessive vibration. When that happens, the wheel must be rebalanced or replaced. The other air stream components should also be inspected for wear or structural damage and cleaned or replaced if necessary. **After cleaning any blower wheel, it should be balanced and then "trim balanced" on the motor shaft.**

There are three ways to balance a blower wheel:

1. **Add balancing weights for fabricated aluminum, steel or stainless steel wheels:**
   Balance weights should be rigidly attached to the wheel at a location that will not interfere with the blower housing nor disrupt air flow. They should (if at all possible) be welded to the wheel. When trim balancing the wheel, **on the blower,** be sure to ground the welder **directly** to the blower wheel. Otherwise, the welding current will likely pass through the motor and damage the motor bearings.
2. **Grinding off material for cast aluminum wheels:**
   If you are grinding on the wheel to remove material, be very careful not to grind too much in one area. That could affect the structural integrity of the wheel.
3. **Forward curved wheels, Model LM only (also known as squirrel cage or multivane wheels).**
   These wheels have balancing clips attached to individual blades around the wheel. That is the only proper way to balance this type of wheel.
   NOTE:
   Removing any forward curve wheel from the blower to clean it, requires special attention when reinstalling the wheel back into the blower housing. Make sure you reinstall the wheel so the proper wheel-to-inlet clearance is maintained. Failure to do this will affect the blowers airflow (CFM), static pressure (SP) capabilities and efficiency. Consult Cincinnati Fan or our local sales office for your area for assistance if necessary.

D. Vibration:

As mentioned previously in this manual, excessive vibration can cause premature motor bearing failure that could lead to catastrophic failure of the blower. After performing any routine maintenance, the vibration readings should be taken again. New readings should be taken (maximum every 12 months) and compared to the readings you recorded in **Figure 3**, on page 8, during the initial startup. **If any major differences are present, the cause should be determined and corrected before the blower is put back into operation.**

The most common causes of vibration problems are:

1. Wheel unbalance.
2. Mechanical looseness.
3. Poor blower inlet and/or discharge conditions.
4. Foundation stiffness.

E. Dampers and Valves: (Airflow control devices)

Turn off and lock out power to the blower motor. Any dampers or valves should be periodically inspected to make sure all parts are still operable within their full range and there is no interference with any other damper or blower components. Any bearings or seals should be checked for their proper function. The manufacturers maintenance instructions should be followed.

F. Safety Equipment & Accessories:

It is the users responsibility to make sure that all safety guards required by the company, local, state and OSHA regulations are properly attached and fully functional at all times. If any guards become defective or non-functional at any time, **the power to the blower MUST be turned off and locked out** until complete repairs and/or replacements have been made, installed and inspected by authorized personnel.

Any accessories used in conjunction with the blower should also be inspected to make sure they are functioning within their intended limits and design specifications. The manufacturers maintenance manuals should be referred to for correct maintenance procedures. These accessories include, but are not limited to, the following:

Shaft seals, inspection doors, vibration isolators or vibration bases, air flow or pressure measuring equipment, hoods, controls, special coatings, silencers, expansion joints, valves, flexible connectors and filters.

VI. ORDERING REPLACEMENT PARTS:

Under normal conditions, you should not need any spare or replacement parts for at least 24 months after shipment from Cincinnati Fan. That does not include any wear due to abrasion, corrosion, excessive temperatures, abuse, misuse, accident or any severe conditions the fan was not designed for.

NOTICE:

1. **If this blower is vital to any process that could cost you lost revenue, we strongly recommend that you keep a replacement blower wheel and motor at your location.**

2. **If this blower is vital for the safety of any people and/or animals, we strongly recommend that you keep a complete blower/motor assembly, as originally ordered, at your location.**

To order any parts or complete units, contact us for the name of our sales office for your area. Or you can find them on our website at: **www.cincinnatifan.com**

WE MUST HAVE THE BLOWER SERIAL NUMBER FROM THE BLOWER NAME PLATE TO IDENTIFY PARTS CORRECTLY.

VII. TROUBLESHOOTING

⚠ DANGER

Troubleshooting should only be performed by trained personnel. Any potential electrical problems should only be checked by a licensed electrician. All safety rules, regulations and procedures MUST be followed. Failure to follow proper procedures can cause property damage, severe bodily injury and death.

Potential problems and causes listed below are in no order of importance or priority. The causes are only a list of the most common items to check to correct a problem. If you find the cause of a problem, **DO NOT** assume it is the **ONLY** cause of that problem. Different problems can have the same causes.

PROBLEM	CAUSE
Excessive Vibration	1. Loose mounting bolts, wheel set screws, taper-lock hubs. 2. Worn or corroded blower wheel. 3. Accumulation of foreign material on blower wheel. 4. Bent motor shaft. 5. Worn motor bearings. 6. Motor out of balance. 7. Inadequate structural support. 8. Support structure not sufficiently cross braced. 9. Weak or resonant foundation. 10. Foundation not flat and level.
Airflow (CFM) Too Low	1. Blower wheel turning in wrong direction (**rotation**). 2. Actual system static pressure (**SP**) is higher than expected. 3. Motor speed (**RPM**) too low. 4. Dampers or valves not adjusted properly. 5. Leaks or obstructions in duct work. 6. Filters dirty. 7. Inlet and/or discharge guards are clogged. 8. Duct elbow too close to blower inlet and/or discharge. 9. Improperly designed duct work 10. Blower wheel not properly located relative to the inlet bell (**LM** Model only).
Airflow (CFM) Too High	1. Actual system static pressure (**SP**) is lower than expected. 2. Motor speed (**RPM**) too high. 3. Filter not in place. 4. Dampers or valves not adjusted properly.

PROBLEM	CAUSE
Motor Overheating	**NOTE: A normal motor will operate at 174°F. See B-8 on page 6.** 1. Actual system static pressure **(SP)** is lower than expected. 2. Voltage supplied to motor is too high or too low. 3. Motor speed (**RPM**) too high or defective motor. 4. Air density higher than expected. 5. Motor wired incorrectly or loose wiring connections. 6. Cooling fan cover on back of motor is clogged. (Fan cooled motors only.)
Excessive Noise	1. Wheel rubbing inside of housing. 2. Worn or corroded blower wheel. 3. Accumulation of foreign material on blower wheel. 4. Loose mounting bolts, wheel set screws, or taper-lock hubs. 5. Bent motor shaft. 6. Worn motor bearings. 7. Motor out of balance. 8. Motor bearings need lubrication. 9. Vibration originating elsewhere in system. 10. System resonance or pulsation. 11. Inadequate or faulty design of blower support structure. 12. Blower operating near "stall" condition due to incorrect system design or installation.
Fan Doesn't Operate	1. Motor wired incorrectly. 2. Incorrect voltage supply. 3. Defective fuses or circuit breakers. 4. Power turned off elsewhere. 5. Motor wired incorrectly or loose wiring connections. 6. Defective motor.

VIII. LONG TERM STORAGE INSTRUCTIONS: (Storage exceeding 30 days after receipt of equipment)

NOTE: Failure to adhere to these instructions voids all warranties in their entirety.

1. Storage site selection:
   a. Level, well-drained, firm surface, in clean, dry and warm location. Minimum temperature of 50°F (10°C).
   b. Isolated from possibility of physical damage from construction vehicles, erection equipment, etc.
   c. Accessible for periodical inspection and maintenance.
2. The blower should be supported under each corner of its base to allow it to "breath". Supports (2 x 4's, timbers, or railroad ties) should be placed diagonally under each corner.
3. If the equipment is to be stored for more than three (3) months, the entire blower assembly must be loosely covered with plastic, **but not tightly wrapped**.
4. Storage Maintenance:

   A periodic inspection and maintenance log, by date and action taken, must be developed and maintained for each blower. See example below. Each item must be checked monthly.

EXAMPLE:

Storage / Maintenance Schedule Log

ITEM	ACTION	DATES CHECKED
1	Re-inspect units to insure any protective devices used are functioning properly. Check for scratches in the finish which will allow corrosion or rust to form.	
2	Rotate wheel a minimum of 10 full revolutions to keep the motor bearing grease from separating and drying out. ***This is a critical step.***	

Long Term Storage instructions continued on page 13.

5. General Motor Procedure:

   If the motor is not put into service immediately, the motor must be stored in a clean, dry, warm location. Minimum temperature of 50°F. (10°C,). Several precautionary steps must be performed to avoid motor damage during storage.

   a. Use a “Megger” each month to ensure that integrity of the winding insulation has been maintained. Record the Megger readings. Immediately investigate any significant drop in insulation resistance.
   b. **DO NOT** lubricate the motor bearings during storage. Motor bearings are packed with grease at the factory.
   c. If the storage location is damp or humid, the motor windings **must** be protected from moisture. This can be done by applying power to the motor’s space heaters, (IF AVAILABLE) while the motor is in storage. If the motor does not have space heaters, storing it in a damp or humid location will, very quickly, cause internal corrosion and motor failure which is not warranted.

   ***NOTE*:**
   For specific storage instructions, for the actual motor and any accessory parts that were supplied, refer to the manufacturer’s instructions.

IX. LIMITED WARRANTY:

Cincinnati Fan & Ventilator Company (Seller) warrants products of its own manufacture, against defects of material and workmanship under normal use and service for a period of eighteen (18) months from date of shipment or twelve (12) months from date of installation, whichever occurs first. This warranty does not apply to any of Seller's products or any part thereof which has been subject to extraordinary wear and tear, improper installation, accident, abuse, misuse, overloading, negligence or alteration. This warranty does not cover systems or materials not of Seller's manufacture. On products furnished by Seller, but manufactured by others, such as motors, Seller extends the same warranty as Seller received from the manufacturer thereof. Expenses incurred by Purchaser's in repairing or replacing any defective product will not be allowed except where authorized in writing and signed by an officer of the Seller.

The obligation of the Seller under this warranty shall be limited to repairing or replacing F.O.B. the Seller's plant, or allowing credit at Seller's option. **THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND OF ALL OTHER OBLIGATIONS AND LIABILITIES OF THE SELLER. THE PURCHASER ACKNOWLEDGES THAT NO OTHER REPRESENTATIONS WERE MADE TO PURCHASER OR RELIED UPON BY PURCHASER WITH RESPECT TO THE QUALITY OR FUNCTION OF THE PRODUCTS HEREIN SOLD.**

Removal of the Sellers nameplate or any generic fan nameplate containing the fan serial number voids all warranties, either written or implied. Failure to complete and document all the pre-startup and post startup checks and perform the suggested routine maintenance checks voids all warranties, either written or implied.

LIMITATION OF LIABILITY:

Notice of any claim, including a claim for defect in material or workmanship, must be given to Seller in writing within 30 days after receipt of the equipment or other products. Seller reserves the right to inspect any alleged defect at Purchaser's facility before any claim can be allowed and before adjustment, credit, allowance replacement or return will be authorized. See **RETURNS** below. Seller's liability with respect to such defects will be limited to the replacement, free of charge, of parts returned at Purchaser's expense F.O.B. Seller's plant and found to be defective by the Seller.

IN NO EVENT WILL SELLER BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER IN CONTACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, INCLUDING WITHOUT LIMITATION DAMAGES FOR INJURY TO PERSONS OR PROPERTY, LOST PROFITS OR REVENUE, LOST SALES OR LOSS OF USE OF ANY PRODUCT SOLD HEREUNDER. PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST SELLER WILL BE THE REPLACEMENT OF DEFECTIVE PARTS AS PROVIDED HEREIN OR REFUND OF THE PURCHASE PRICE FOR DEFECTIVE PRODUCTS, AT SELLER'S SOLE OPTION. SELLER'S LIABILITY ON ANY CLAIM, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, FOR ANY LOSS OR DAMAGE ARISING OUT OF OR IN CONNECTION WITH PURCHASER'S ORDER OR THE PRODUCTS OR EQUIPMENT PURCHASED HEREUNDER, SHALL IN NO CASE EXCEED THE PURCHASE PRICE OF THE EQUIPMENT GIVING RISE TO THE CLAIM.

RESPONSIBILITY:

It is the understanding of the Seller that Purchaser and/or User will use this equipment in conjunction with additional equipment or accessories to comply with all Federal, State and local regulations. The Seller assumes no responsibility for the Purchaser's or Users compliance with any Federal, State and local regulations.

RETURNS:

Cincinnati Fan & Ventilator Company assumes no responsibility for any material returned to our plant without our permission. An **RMA** (Return Material Authorization) number must be obtained and clearly shown on the outside of the carton or crate and on a packing slip. Any items returned must be shipped freight prepaid. Failure to comply will result in refusal of the shipment at our receiving department.

DISCLAIMER

This manual, and all its content herein, is based on all applicable known material at the time this manual was created. **Any parts of this manual are subject to change at any time and without notice.**

If any statements, diagrams and/or instructions contained herein, **for components not manufactured by the Seller,** conflict with instructions in the manufacturer's manual (i.e.: motors, dampers, etc.), the instructions in the manufacturer's manual, for that component take precedent.

Should you want the latest version of this manual, please contact us or our sales office for your area. Or, you can print a current version by going to our website at: **www.cincinnatifan.com**

cincinnati fan

7697 Snider Road, Mason, OH 45040-9135
Phone: (513) 573-0600 Fax: (513) 573-0640
E-Mail: sales@cincinnatifan.com

X. PARTS DRAWING:

PLEASE NOTE

Cincinnati Fan manufactures many models and arrangements with special variations. For that reason, the maintenance manuals contained on our website do not include a parts drawing nor the completed blower or fan specifications on page 1. For the parts drawing of all the standard components and specifications for the specific blower or fan that you have, please contact our local Cincinnati Fan sales office for your area.

You will need to give them the serial number shown on the blower or fan nameplate so they can supply you the correct information.

Click on ***"Contact a Sales Rep"*** on our website for the name and contact information for our local sales office for your area. **www.cincinnatifan.com**

OPERATING & MAINTENANCE INSTRUCTIONS AND PARTS LIST

for

HDBI - Backward Inclined Blowers
HDAF - Airfoil Wheel Blowers
RBE - Radial Blade Exhausters
HP - High Pressure Blowers

CONTENTS

NOTICE

If fan will not be put into operation within 30 days, obtain long-term storage instructions from our website (www.cincinnatifan.com) or your local Cincinnati Fan Sales Office.

⚠ DANGER

ALL FANS AND BLOWERS SHOWN HAVE ROTATING PARTS AND PINCH POINTS. SEVERE PERSONAL INJURY CAN RESULT IF OPERATED WITHOUT GUARDS. STAY AWAY FROM ROTATING EQUIPMENT UNLESS IT IS DISCONNECTED FROM ITS POWER SOURCE AND ALL ROTATING PARTS HAVE STOPPED MOVING.
READ ALL OPERATING INSTRUCTIONS CONTAINED HEREIN BEFORE INSTALLING EQUIPMENT.

⚠ DANGER

NO GUARANTEE OF ANY LEVEL OF SPARK RESISTANCE IS IMPLIED BY SPARK RESISTANT CONSTRUCTION. IT HAS BEEN DEMONSTRATED THAT ALUMINUM IMPELLERS RUBBING ON RUSTY STEEL MAY CAUSE HIGH INTENSITY SPARKS. AIR STREAM MATERIAL AND DEBRIS OR OTHER SYSTEM FACTORS MAY ALSO CAUSE SPARKS.

PART # 01001
CATALOG #PMK-1001
SUPERSEDES: PMK-1293

cincinnati fan
7697 Snider Road, Mason, Ohio 45040-9135 (513) 573-0600

I. GENERAL SAFETY NOTES

1. Rotating parts including shaft and V-belt drives must be properly guarded to prevent personal injury.
2. Electrical wiring must be accomplished by a qualified electrician in accordance with all applicable codes.
3. Care should be taken:
   - Not to run fan above its safe speed (See Performance Tables in Sales Catalog or call **CF** sales office).
   - Not to operate in excessive temperatures (See limitations in Sales Catalog or call **CF** sales office).
   - Not to operate in dangerous environments.
   - Read all instructions carefully.

II. RECEIVING

Receiving Inspection

When unit is received, inspect immediately for damaged or missing parts. Even though all units are carefully inspected and prepared for shipment at the factory, rough handling en route may cause concealed damage or cause nuts, set screws, bolts or locking collars to work loose. Be certain all fasteners are tightened securely. Rotate wheel by hand to verify that it rotates freely and that there are no obstructions.

Inspect all shipments carefully for damage. THE RECEIVER MUST NOTE ANY DAMAGE ON THE CARRIER'S BILL OF LADING AND FILE A CLAIM IMMEDIATELY WITH THE FREIGHT COMPANY IN THE CASE OF ANY DAMAGE. Keep a record of all equipment received, including inspection details and date of receipt because of the possibility of partial shipments.

III. HANDLING

Handle your equipment with care. Some fans are provided with lifting lugs or holes for easy handling. Others must be handled using nylon straps or well-padded chains and cables which protect the fan's coating and housing. Spreader bars should be used when lifting large parts.

Centrifugal fans are best lifted using one strap under the fan's scroll and another strap around the bearing base. DO NOT LIFT CENTRIFUGAL FANS BY THE FAN SHAFT, WHEEL, FLANGES OR INLET SUPPORT OR MOTOR EYE BOLT.

NOTICE

If fan will not be put into operation within 30 days, obtain long-term storage instructions from our website (www.cincinnatifan.com) or your local Cincinnati Fan Sales Office.

IV. GENERAL INSTALLATION INSTRUCTIONS

Foundations

Fan foundation must be flat, level and rigid. Where foundation is not completely flat, shims must be placed under fan support at each anchor bolt as required. Bolting fan to an uneven foundation distorts alignment and causes vibration.

Structural steel foundations should be heavily cross-braced for load support.

Table #1

TORQUE VALUES FOR SPLIT TAPER BUSHINGS	
Bushing Size	**MINIMUM RECOMMENDED TORQUE (INCH-LBS)**
H	95
B & P	192
Q & R	350

Table #2

SET SCREW TORQUE VALUES		
SET SCREW SIZE		**MINIMUM REQUIRED TORQUE (INCH-LBS)**
Diameter & No. of Threads/Inch	**Hex Size Across Flats (Allen Wrench)**	
1/4-20	1/8"	65
5/16-18	5/32"	165
3/8-16	3/16"	228
7/16-14	7/32"	348
1/2-13	1/4"	504
5/8-11	5/16"	1104

NOTE: If wheel set screws are loosened and/or wheel is removed from shaft, set screws *must* be replaced. Set screws cannot be used more than once. Use knurled, cup point set screws with a locking patch.

V. OPERATION

Before Connecting Power

1. Inspect all fasteners and retighten if necessary:
   a. Foundation bolts.
   b. Set screws in fan and wheel and V-belt drive (See Tables #1 & #2 on preceding page).
   c. Housing, bearing and motor mounting.
2. Inspection doors should be tight and sealed.
3. Bearings should be checked for alignment and lubrication (See Bearing Maintenance, pages 4 & 5).
4. Turn rotating assembly by hand to insure that it does not strike housing. If the wheel strikes the housing, the wheel may have moved on the shaft or the bearings may have shifted in transit. Correction *must* be made prior to start up.
5. Check motor to insure proper speed and electrical characteristics.
6. Check V-belt drive for alignment and correct belt tension.
7. After wiring, energize motor for one second to check for proper rotation.

VI. GENERAL MAINTENANCE

CAUTION

Before any maintenance or service is performed, assure that unit is disconnected or locked out from power source to prevent accidental starting.

The key to good fan maintenance is a regular and systematic inspection of all fan parts. Severity of the application should determine frequency of inspection. The components requiring service are generally the moving parts which include bearings, fan wheel, belts, sheaves and motor.

Cast Aluminum & Metal Parts

Cast aluminum and steel parts usually do not require maintenance during the life of the unit except painted metal surfaces that may require periodic repainting. In a severe, dirty operation, the wheel should be cleaned with a wire brush to prevent an accumulation of foreign matter that could result in fan unbalance. After cleaning wheel, inspect for possible cracks or excessive wear, which can cause unbalance. ***DO NOT*** operate a wheel that is cracked, chipped, has broken blades or excessive wear. NOTE: If wheel set screws are loosened and/or wheel is removed from shaft, set screws *must* be replaced. Set screws cannot be used more than once. Belts on V-belt drive units require periodic inspection and replacement when worn. For multiple belt drives, belts should be replaced with matched sets.

Motor Maintenance

1. Disconnect or lock out power to motor.
2. Removing dust and dirt: Blow out open type motor windings with low pressure air to remove dust or dirt. Air pressure above 50 P.S.I. should not be used as high pressure may damage insulation and blow dirt under loosened tape. Dust accumulation can cause excessive insulation temperatures.
3. Lubrication: The motor bearings and the fan bearings on the belt drive fans should be greased at regular intervals. Motor manufacturers' greasing instructions and recommendations should be followed closely. Avoid the use of a pressure greasing system which tends to fill the bearing chamber completely. Do not overgrease. Use only 1 or 2 shots with a hand gun in most cases. Maximum hand gun rating 40 P.S.I. Rotate bearings during lubrication where good safety practice permits. NOTE: On motors with non-regreasable sealed bearings, no lubrication is required for the life of the bearings.

To prevent rusting of bearing parts, the rotor must be rotated at regular intervals (30 days) to assure these parts are well covered with oil or grease.

VII. V-BELT DRIVES

Care should be taken not to overtighten V-belt drive. Excessive belt tension overloads fan and motor bearings. It is much less expensive to replace belts worn from slippage than to replace bearings damaged from excessive loading.

Fans shipped completely assembled have had V-belt drive aligned at the factory. Alignment should be rechecked before operation as a precaution due to handling during shipment.

A WORD OF CAUTION
ABOUT MOTORS

Using your hand to test the running temperature of a motor can be a very painful experience:

Normal body temperature	98.6° F
Threshold of pain caused by heat	120.0° F
Average temperature of hot tap water	140.0° F
Average temperature of hot coffee	180.0° F
Normal operating temperature of a fully loaded electric motor open type, 70° F ambient temperature	174.0° F

1. Be sure sheaves are locked in position.
2. Key should be seated firmly in keyway.
3. Place straight edge or taut cord across faces of driving and driven sheaves to check alignment. The motor and fan shafts must be parallel with V-belts and at right angles to the shafts.
4. Start the fan. Check for proper rotation. Run fan at full speed. A slight bow should appear on slack side of belt. Disconnect power and adjust belt tension by adjusting motor on its sliding base. All belts must have some slack on one side.
5. If belts squeal at start up, they may be too loose.
6. When belts have had time to seat in the sheave grooves, then readjust belt tension. (2-3 days)

V-belt drive assembly can be mounted as follows:

1. Clean motor and fan shafts. Be sure they are free from corrosive material. Clean bore of sheaves and coat with heavy oil for ease of shaft entry. Remove oil, grease, rust or burrs from sheave grooves.
2. Place fan sheave on fan shaft and motor sheave on its shaft. **Do not pound sheaves** on as this may damage bearings. Tighten sheaves per Table #1 or #2 on page 2.

Table #3 (See Bearing Maintenance, page 5.)

Conditions Around Bearing	Operating Temperature of Fan	**Greasing Intervals
Fairly Clean	up to 120 °F	6-12 months
	120°-160°F	2-3 months
	160°-200°F plus*	1-2 months
Moderate to	up to 160°F	1-2 months
Extremely Dirty	160°-200°F plus*	2-4 weeks
Cold Storage Room		every defrosting period or no more than 4 months

*For fan applications over 200°F: greasing intervals should be from several days to 2 weeks, depending on the temperature.

**For vertical installations, greasing intervals should be twice as frequent as table values.

The following greases, or one that is equivalent to the general description, are recommended for the following temperatures or excessive moisture applications.

Operating Conditions	Use Grease Equivalent to these Grades
Temperatures -65°F to 0°F	Esso-Beacon #325 (-65°F) Mobil Grease #28 (-65°F) Shell Oil Aeroshell No. 7 (-100°F)

General Description: Versatile multipurpose microgel thickened synthetic hydrocarbon grease with corrosion inhibitors, anti-oxidant additives, water resistance tendencies and EP characteristics.

Temperature 0°F to 200°F inclusive (Also use for heavy condensation or direct splash of water)	Mobil Oil - Mobilux EP #2 Shell Oil - Shell Alvania EP #2 Chevron - Chevron SRI #2

General Description: Multipurpose NLGI#2 grease from lithium soap with EP characteristics, rust inhibitors, anti-oxidant additives and good water resistance tendencies.

Temperatures over 200°F	Dow Corning-DC44 (400°F) (Not compatible with non-silicon based greases)

General Description: Versatile multipurpose microgel thickened synthetic hydrocarbon grease with corrosion inhibitors, anti-oxidant additives, water resistance tendencies and EP characteristics.

3. Move motor on slide base so belts can be placed in grooves of both sheaves without forcing. Do not roll belts or use a tool to force belts over the grooves.
4. Align fan and motor shafts so they are parallel. The belts should be at right angles to the shafts. A straight edge or taut cord placed across the face of the sheaves will aid in alignment.
5. Tighten belts by adjusting motor base. Correct tension gives the best drive efficiency. Excessive tension causes undue bearing pressure.
6. Start the fan and run it at full speed. Adjust belt tension until only a slight bow appears on the slack side of the belts. If slippage occurs, a squeal will be heard at start-up. Eliminate this squeal by **disconnecting or locking out motor from power source** and then tightening up the belts.
7. Give belts a few days running time to become seated in sheave grooves, then readjust belt tension.

If the shafts become scratched or marked, carefully remove sharp edges and high spots such as burrs with fine emery cloth or honing stone. Avoid getting emery dust in the bearings.

Do not apply any belt dressing unless it is recommended by the drive manufacturer. V-belts are designed for frictional contact between the grooves and sides of the belts. Dressing will reduce this friction.

Belt tension on an adjustable pitch drive is obtained by moving the motor, not by changing the pitch diameter of the adjustable sheave.

VIII. BEARING MAINTENANCE

Sealed Bearings

Sealed for life bearings are pre-lubricated with the correct amount of manufacturer approved ball bearing grease, and are designed for application where relubrication is not required.

Relubricatable Bearings

The motor bearings and fan bearings on belt drive fans should be greased at regular intervals. Motor manufacturers greasing instructions and recommendations should be followed closely. Avoid the use of a pressure greasing system which tends to fill the bearing chamber completely. Do not over grease.

NOTE: On motors with non-regreasable, sealed bearings, no lubrication is required for the life of the bearing.

Table #3 (page 4) lists the time intervals between fan greasing to insure proper lubrication in adverse conditions of heat and dust. Use only 1 or 2 shots with a hand gun in most cases. Maximum handgun rating 40 P.S.I.

IX. WARRANTY

Cincinnati Fan & Ventilator Company warrants products of its own manufacture against defects of material and workmanship under normal use and service for a period of eighteen (18) months from date of shipment or twelve (12) months from date of installation, whichever occurs first.

This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, negligence, alteration or systems and/or materials not of Seller's manufacture. Expenses incurred by Buyer(s) in repairing or replacing any defective product will not be allowed except where authorized in writing and signed by an officer of the Seller.

The obligation of Seller under this warranty shall be limited to repairing or replacing F.O.B. Seller's plant, or allowing credit at Seller's option. This warranty is expressly in lieu of all other warranties expressed or implied including the warranties of merchantability and fitness for use and of all other obligations and liabilities of the Seller. The Buyer acknowledges that no other representations were made to him or relied upon him with respect to the quality or function of the products herein sold.

On equipment furnished by the Seller, but manufactured by others, such as motors, Seller extends the same warranty as Seller receives from the manufacturer thereof. Repairs for motors should be obtained from nearest authorized motor service station for the make of motor furnished. All motors used are products of well-known manufacturers with nationwide service facilities. Check the yellow pages of your telephone directory for the location of the nearest service shop.

Cincinnati Fan & Ventilator Company assumes no responsibility for material returned to our plant without our prior written permission.

X. ORDERING REPLACEMENT PARTS

Replacement or spare parts may be ordered through your local Cincinnati Fan representative. (Refer to drawings that begin on page 7.) The following information should accompany parts orders:

1. Motor horsepower, frame size, motor speed, voltage, phase, cycle and enclosure. Motor manufacturer's model number from motor nameplate.
2. Fan Speed (if V-belt driven).
3. Fan serial **and** model numbers from the **fan** nameplate and a complete description of the part.

An adequate stock of repair parts is maintained where possible. **If your fan is vital to production or to plant operation, it is advisable to have all spare parts on hand to minimize downtime.**

XI. TROUBLE SHOOTING

In the event that trouble is experienced in the field, the following are the most common fan difficulties. These points should be checked in order to prevent needless delay and expense.

1. CAPACITY OR PRESSURE BELOW RATING

a. Incorrect direction of wheel rotation.
b. Speed too slow.
c. Dampers not properly adjusted.
d. Poor fan inlet or outlet conditions (elbows, restrictions).
e. Air leaks in system.
f. Damaged wheel.
g. Total resistance of system higher than anticipated.
h. Wheel mounted backwards on shaft.
i. Fan not properly selected for a high temperature and/or high altitude application.

2. VIBRATION AND NOISE

a. Misalignment of bearings, coupling, wheel or V-belt drive.
b. Unstable foundation or supports.
c. Foreign material in fan causing unbalance.
d. Worn bearings.
e. Damaged wheel or motor.
f. Broken or loose bolts and set screws.
g. Bent shaft.
h. Worn coupling.
i. Fan wheel or drive unbalanced.
j. 120 cycle magnetic hum due to electrical input. Check for high or unbalanced voltage.
k. Fan delivering more than rated capacity.
l. Loose dampers.
m. Speed too high or fan rotating in wrong direction.
n. Vibration transmitted to fan from some other source.

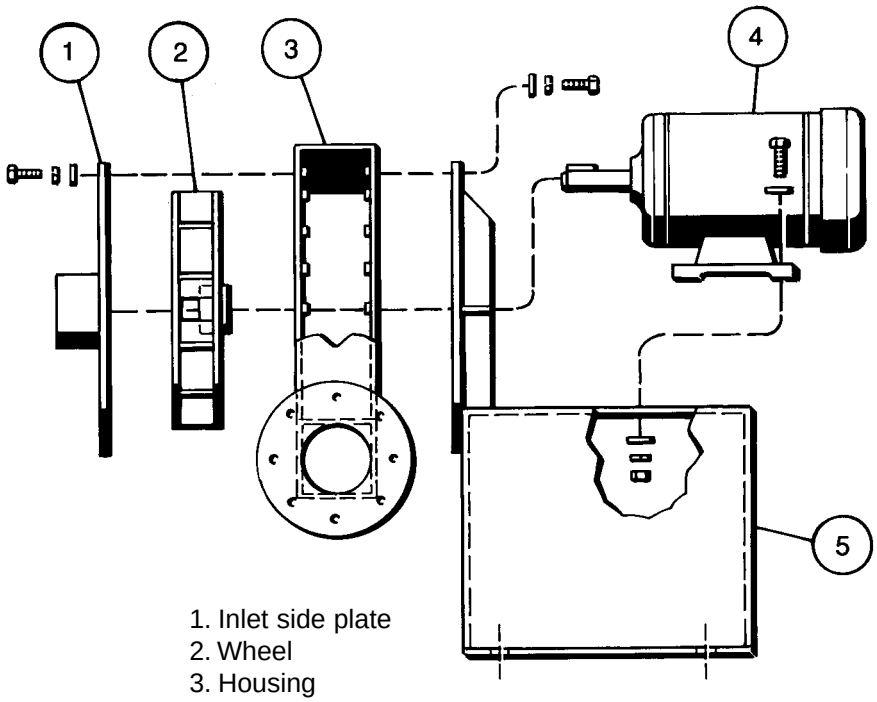
3. OVERHEATED BEARINGS

a. Check bearing lubrication.
b. Poor alignment.
c. Damaged wheel or drive.
d. Bent shaft.
e. Abnormal end thrust.
f. Dirt in bearings.
g. Excessive belt tension.

4. OVERLOAD ON MOTOR

a. Speed too high.
b. Fan over capacity due to existing system resistance being lower than original rating.
c. Specific gravity or density of gas above design value.
d. Wrong direction of wheel rotation.
e. Shaft bent.
f. Poor belt alignment.
g. Wheel wedging or binding on fan housing.
h. Bearings improperly lubricated.
i. Motor improperly wired.
j. Defective motor. Motor must be tested by motor manufacturer's authorized repair shop.

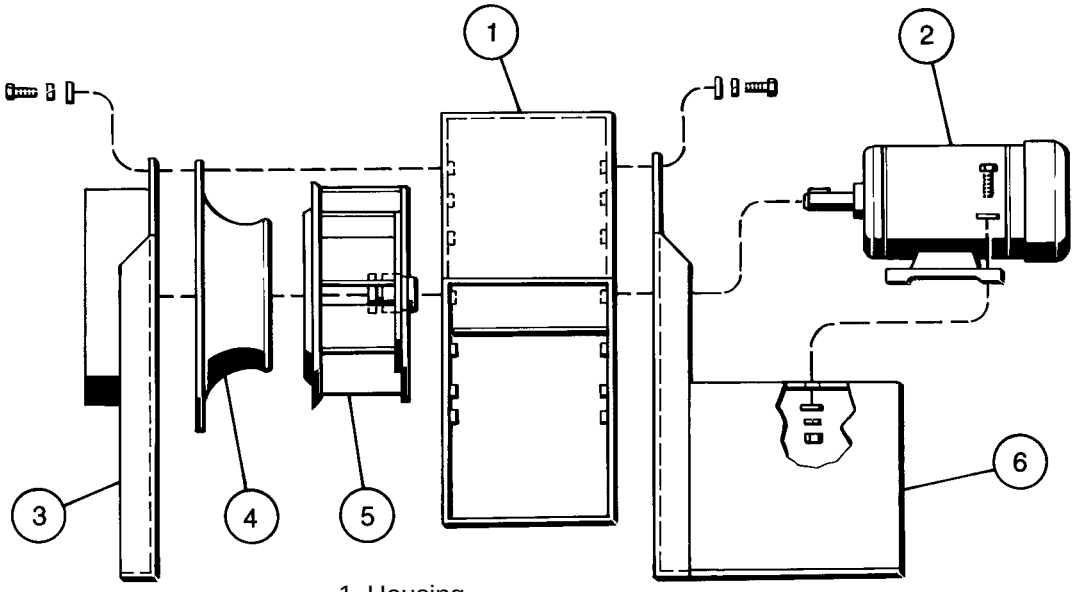
MODEL HP
Arrangement 4



1. Inlet side plate
2. Wheel
3. Housing
4. Motor
5. Base

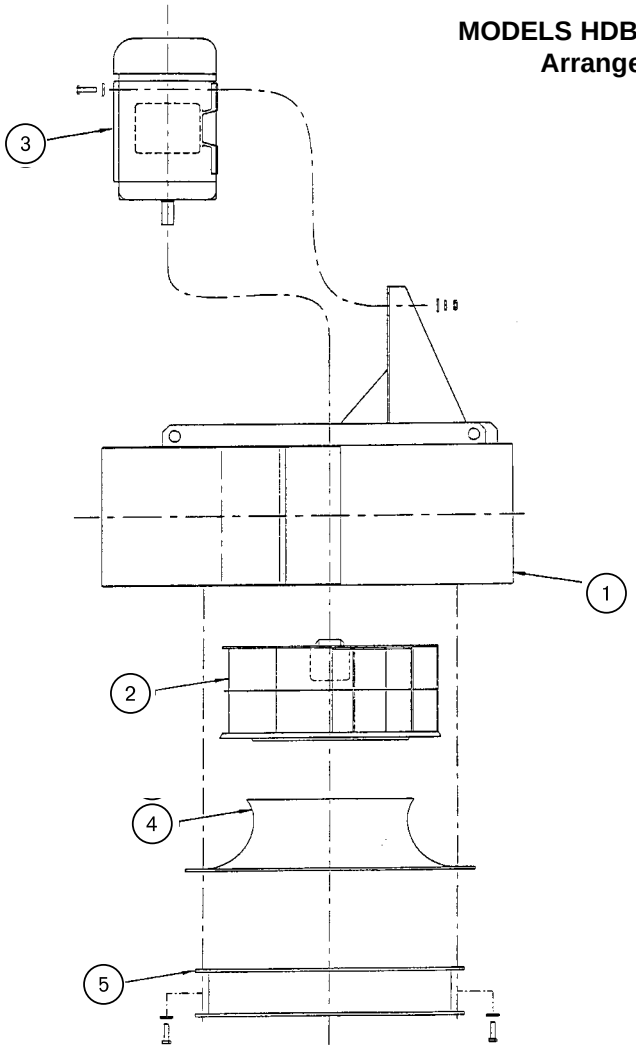
NOTE: Shaft seal is not shown

MODELS HDBI, HDAF and RBE
Arrangement 4



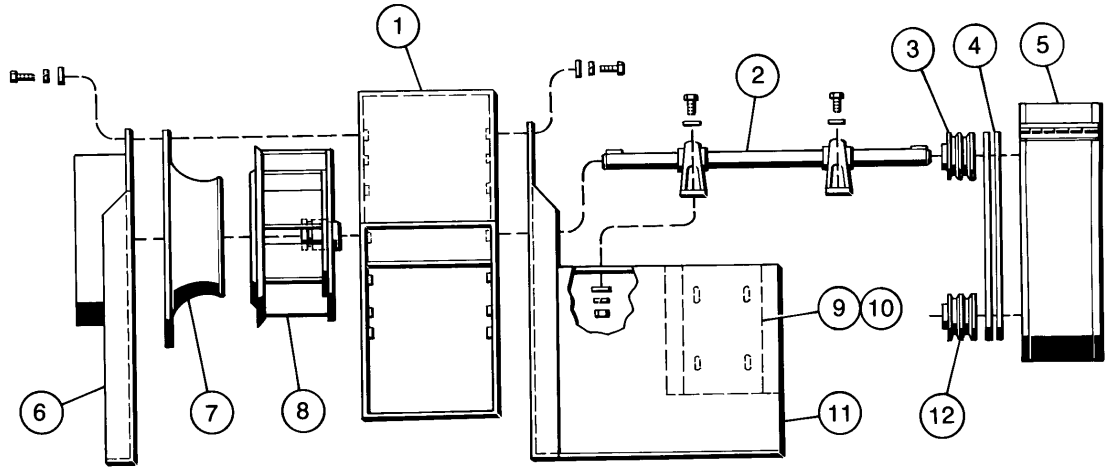
1. Housing
2. Motor
3. Inlet side plate
4. Inlet bell (on models HDBI and HDAF only)
5. Wheel (HDBI wheel shown)
6. Base

MODELS HDBI, HDAF and RBE
Arrangement 4HM



1. Housing
2. Wheel (HDBI shown)
3. Motor
4. Inlet bell (HDBI and HDAF only)
5. Inlet spool piece (Inlet side plate with optional inlet flange)

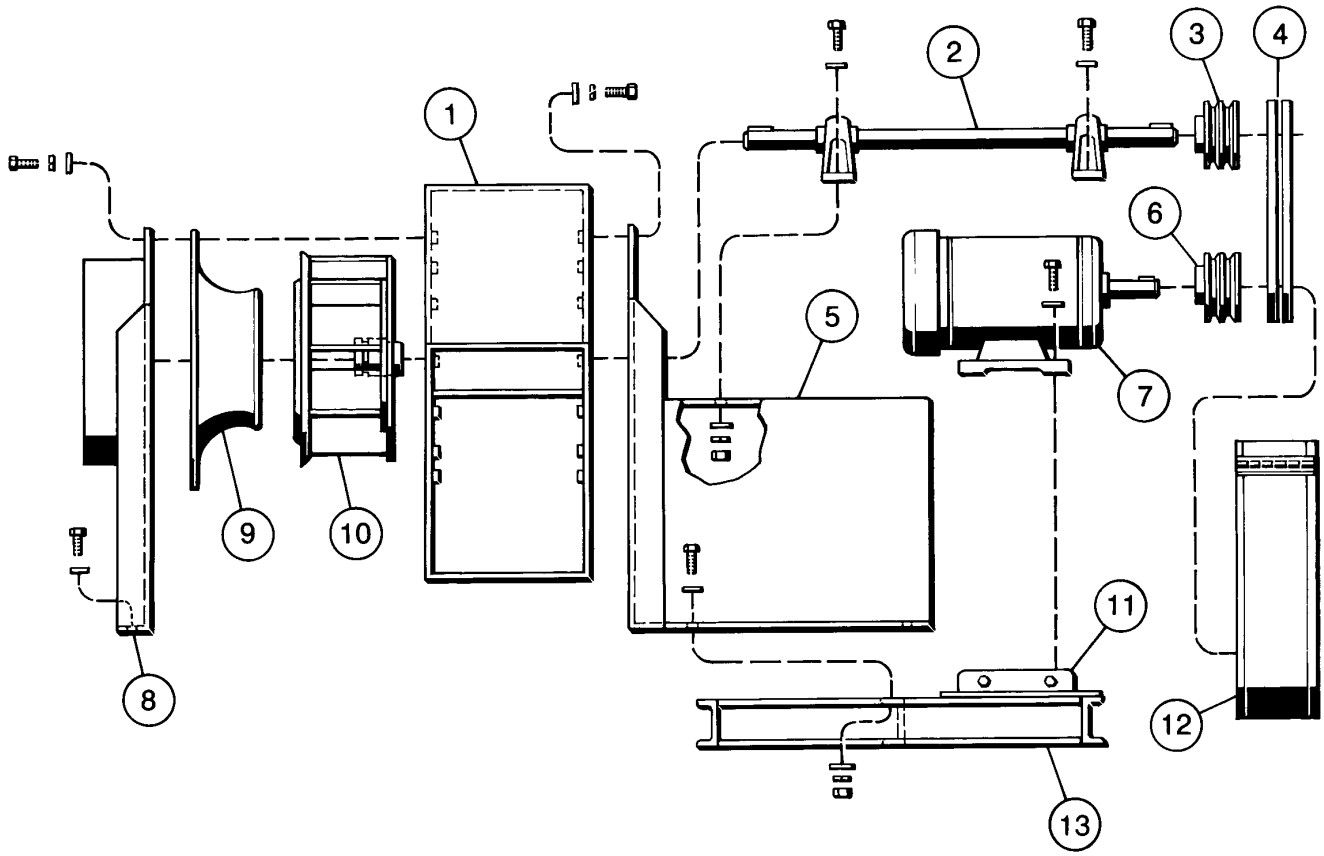
MODELS HDBI, HDAF and RBE
Arrangements 1 and 9



1. Housing
2. Shaft and bearing assembly
3. Fan shaft pulley (Arr. 9 only)
4. Belt(s) (Arr. 9 only)
5. Belt guard (Arr. 9 only)
6. Inlet side plate
7. Inlet bell (on Models HDBI and HDAF only)
8. Wheel (HDBI wheel shown)
9. Motor slide base (Arr. 9 only)
10. Motor (Arr. 9 only)*
11. Base, fan
12. Motor shaft pulley (Arr. 9 only)

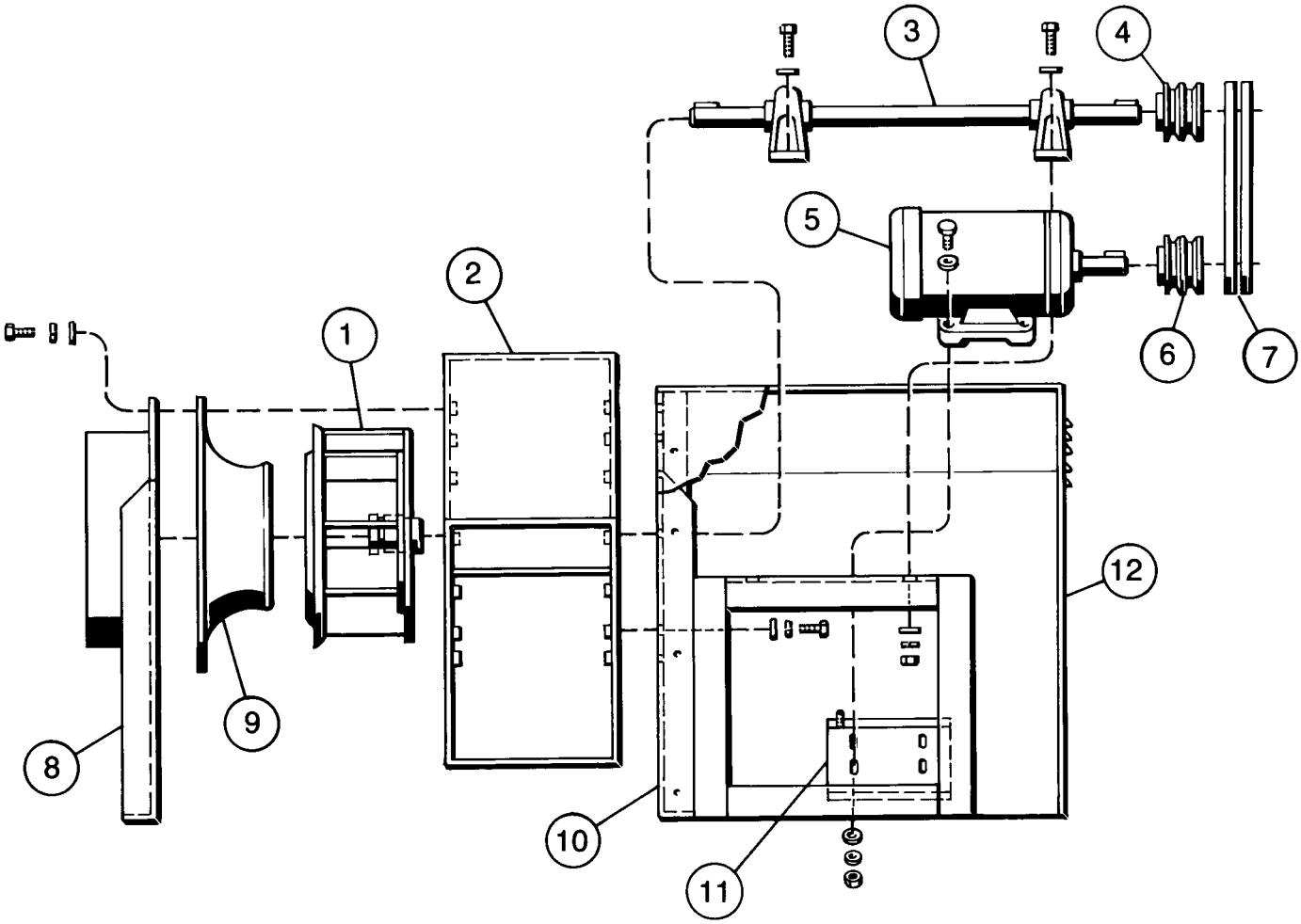
* Motor not shown in figure

MODELS HDBI, HDAF and RBE
Arrangement 9CB Channel Base



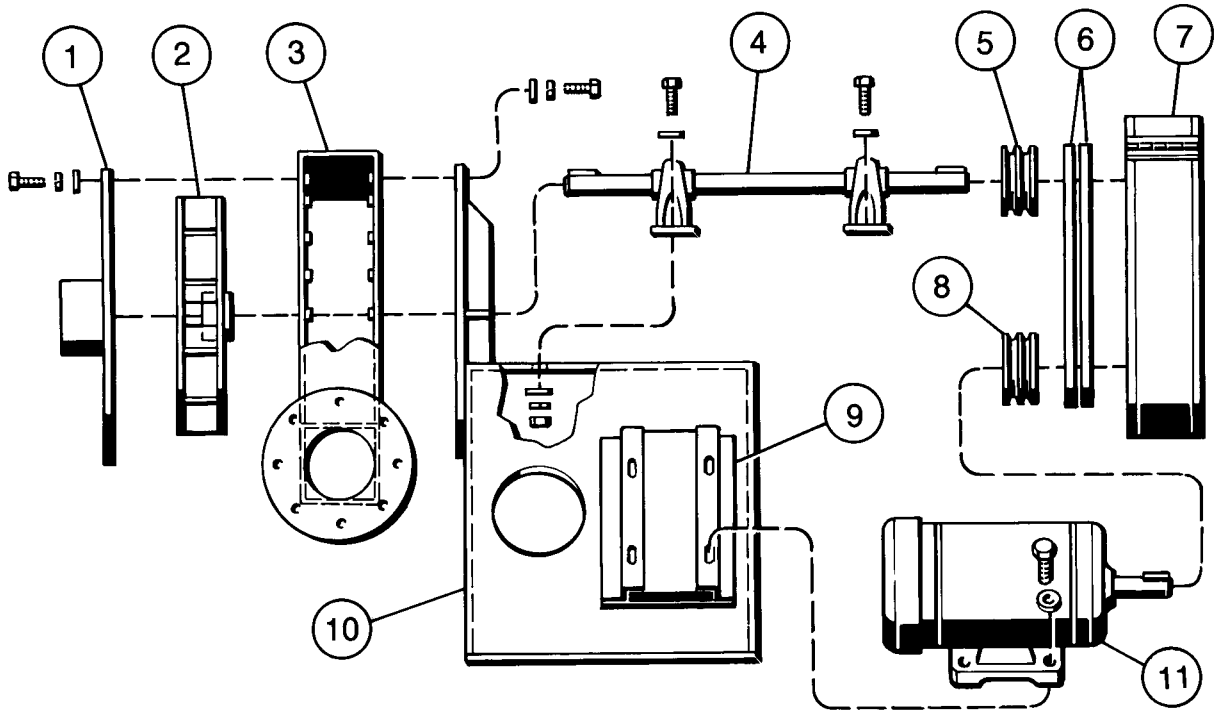
1. Housing
2. Shaft and bearing assembly
3. Fan shaft pulley
4. Belt(s)
5. Base, fan
6. Motor shaft pulley
7. Motor
8. Inlet side plate
9. Inlet bell (on Models HDBI and HDAF only)
10. Wheel (HDBI wheel shown)
11. Motor slide base
12. Belt guard
13. Base, Channel

MODELS HDBI, HDAF and RBE
Arrangement 10



1. Wheel (HDBI wheel shown)
2. Housing
3. Shaft and bearing assembly
4. Fan shaft pulley
5. Motor
6. Motor shaft pulley
7. Belt(s)
8. Inlet side plate
9. Inlet bell (on Models HDBI and HDAF only)
10. Base, fan
11. Motor base
12. Weather cover

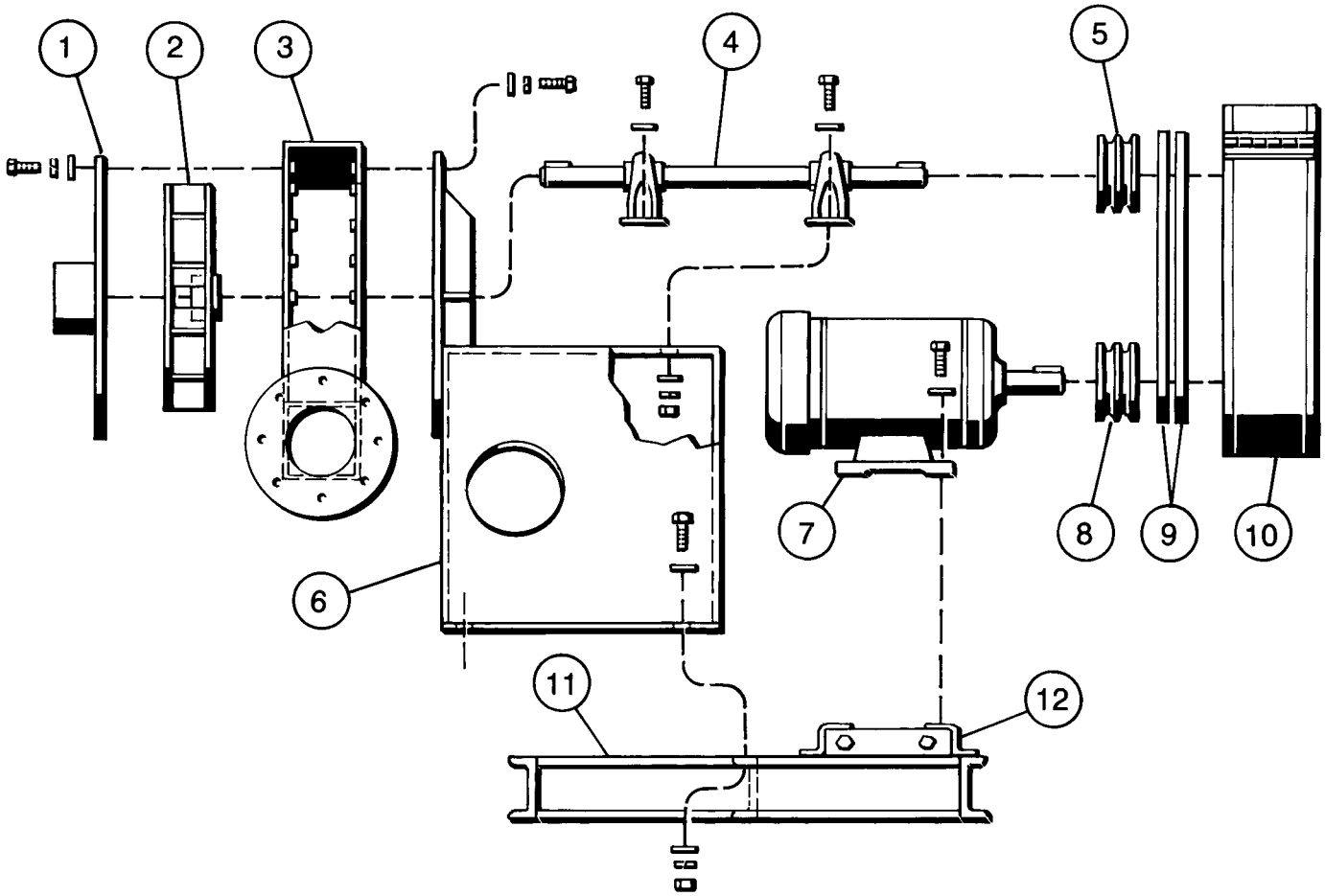
MODEL HP
Arrangement 1 and 9



1. Inlet side plate
2. Wheel
3. Housing
4. Shaft and bearing assembly
5. Fan shaft pulley (Arr. 9 only)
6. Belt(s) (Arr. 9 only)
7. Belt guard (Arr. 9 only)
8. Motor shaft pulley (Arr. 9 only)
9. Motor slide base (Arr. 9 only)
10. Base, fan
11. Motor (Arr. 9 only)

NOTE: Shaft seal is not shown

MODEL HP
Arrangement 9CB Channel Base



1. Inlet side plate
2. Wheel
3. Housing
4. Shaft and bearing assembly
5. Fan shaft pulley
6. Base, fan
7. Motor
8. Motor shaft pulley
9. Belt(s)
10. Belt guard
11. Base, channel
12. Motor slide base

Note: Shaft seal is not shown.

Appendix G
Routine, Severe Condition and Annual SSDS and Site Cover Inspection Checklists

Form 1
Former Stewart Stamping Site
VCP Site No. V-00691-3 Site Management Plan
Routine and Severe Condition Inspection Checklist
Sub-slab Depressurization System (SSDS) and Site Cover

Inspector's Name: **Inspection Date/Time:**

Inspector's Title and Company:

Purpose: (circle one) **Routine Inspection** **Severe Condition Inspection**

		Yes / No *	Notified Person / Date
A. SITE COVER INSPECTION	**1. Walk the entire first floor and lowest level of building and exterior grounds**		
	* Any evidence of soil disturbance? How deep? In what areas?		
	* Any visible cracks in slab or sidewalk?		
	* Any other visible openings (unintended) in the floors?		
	* Any visible cracks or openings in elevator and sump pits?		
	* Any construction activities affecting foundation/first floor?		
B. SSDS INSPECTION	**1. Walk the entire roof surface.**		
	* Any rust or other debris (bird nest, etc.) in or on SSDS Vent Stack(s)?		
	* Are any parts missing on Vent Stack(s)?		
	* Are any alarm lights out on the SSDS Monitoring System (Light panel)? Which one(s)?		
	2. Inspect all monitoring points.		
	* Are monitoring points accessible and are the covers intact and secured?		
C. ACTIONS TAKEN			
	Inspector's Signature:		

Form 2
Former Stewart Stamping Site
VCP Site No. V-00691-3 Site Management Plan
Sub-Slab Depressurization System (SSDS) and Site Cover Annual Inspection/Monitoring Checklist

Sub-Slab Depressurization System Component	Condition	No	Yes	Describe Deficiency	Smoke or pressure test or any corrective action performed? If so, describe.
Discharge location of vent pipe	Any open windows or air intakes near vent?				
Building floor slab	Holes, cracks or other physical deficiencies?				
Sump pits	Holes, cracks or other physical deficiencies?				
	Debris or obstructions in sump pits?				
Riser pipes	Holes, cracks or other physical deficiencies?				
	Blockages in riser pipes?				
Valves and vacuum gauges	Valves at established set points?				
	Holes, cracks or other physical deficiencies?				
	Vacuum gauges showing proper readings?				
System alarm	Operational?				
Fans and blowers	Operational?				
HVAC system	Operational and maintained?				
Site Cover	**Condition**	**No**	**Yes**	**Describe Deficiency**	**Any corrective action performed? If so, describe.**
Walk the entire first floor and lowest level of building and exterior grounds.	Any evidence of soil disturbance? How deep? In what areas?				
	Any visible cracks in slab or sidewalk?				
	Any other visible openings (unintended) in the floors?				
	Any visible cracks or openings in elevator and sump pits?				
	Any construction activities affecting foundation/first floor?				
Record Keeping (Site Cover and SSDS)	Are the SMP and inspection records up-to-date at the Site?				

Name of Inspector

Title and Company

Signature of Inspector

Date of Inspection

Appendix H
Petroleum Bulk Storage Registration

Westchester gov.com

Robert P. Astorino
County Executive

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

Office of Environmental Health Risk Control
145 Huguenot Street
New Rochelle, NY 10801
914-813-5161
24-hour emergency number: 914-813-5000

Tank ID	Date Installed	Tank Location	Product	Capacity (gallons)	Last Tested	Next Test Due
4	01/1994	Aboveground on saddles,legs,stlits,racks or cradle	No. 4 fuel oil	5000		NTR
5	01/1994	Aboveground on saddles,legs,stlits,racks or cradle	No. 4 fuel oil	5000		NTR

Owner:
Stewart EFI LLC
45 Old Waterbury Road
Thomaston, CT 06787

Site:
Stewart EFI NY, LLC
630 Central Park Avenue
Yonkers, NY 10704

Operator:
Ralph Celone
(860) 449-3425

Emergency Contact:
Ralph Celone
(860) 449-3425

As an authorized representative of the above-named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. I recognize that I am responsible for assuring that this facility is in compliance with all sections of Article XXV of the Westchester County Sanitary Code.

- The facility must be re-registered upon a transfer of ownership.
- The Department must be notified within 15 days prior to adding, replacing, reconditioning or permanently closing a stationary tank.
- THIS CERTIFICATE MUST BE POSTED ON THE PREMISES AT ALL TIMES. Posting must be at the tank, at the entrance of the facility or at the main office where the storage tanks are located.
- Any person with knowledge of a spill, leak or discharge must report the incident immediately to the Westchester County Department of Health at 914-813-5000 and to the New York State Department of Environmental Conservation at 800-457-7362.

Issued by:
Cheryl Archbald, MD, MPH, FAAP
Acting Commissioner of Health

Issue Date:
09/23/2011

Mailing Address:
Ralph Celone
Stewart EFI NY, LLC
45 Old Waterbury Road
Thomaston CT 06787

Name of Authorized Representative/Owner (print)

Signature of Authorized Representative/Owner

Petroleum Bulk Storage
ID Number 3-012564

Expiration Date:
09/14/2016

Title

Date

THIS CERTIFICATE IS NON-TRANSFERABLE

Appendix I
Waste Disposal Manifests

527907 Bay 2600 1377118

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD025502243
2. Page 1 of 2
3. Emergency Response Phone: (877) 577-2669
4. Manifest Tracking Number: 004984199 FLE

5. Generator's Name and Mailing Address:
STEWART EFI, LLC
45 OLD WESTBURY RD
THOMASTON CT 06787 (860)283-8213

Generator's Site Address (if different than mailing address):
STEWART EFI, LLC
630 CENTRAL PARK AVE
YONKERS NY 10704 (860)283-8213

Generator's Phone:

6. Transporter 1 Company Name: CHEMICAL POLLUTION CONTROL, LLC of NY — U.S. EPA ID Number: NYD082785429

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
CHEMICAL POLLUTION CONTROL LLC
120 SOUTH FOURTH STREET
Facility's Phone: BAY SHORE, NY 11706 (631) 586-0333
U.S. EPA ID Number: NYD082785429

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1935 WASTE CYANIDE SOLUTIONS, N.O.S. (LEAD,CHROME,SILVER) 6.1 PGII sludge from tanks	x22	DM	x11,000	P	D007	D008	D011
						F007		T
X	2. UN1935 WASTE CYANIDE SOLUTIONS, N.O.S. (LEAD,CADMIUM) 6.1 PGII "TOXIC" Dry well – united	xx5	DM	x2500	P	D006	D008	F007
								T
X	3. UN1935 WASTE CYANIDE SOLUTIONS, N.O.S. (LEAD,CADMIUM,CHROMIUM) 6.1 PGII "TOXIC" LIQUID FROM united	xx7	DM	x385	G	D006	D008	F007
						D007	D011	T
X	4. UN1588 WASTE CYANIDES, INORGANIC, SOLID, N.O.S. (SODIUM CYANIDE) 6.1 PGII "TOXIC" Rb Resin tank	xx6	DM	x2700	P	F008		
								T

14. Special Handling Instructions and Additional Information
(1) 512921-00 - ERG(157) CYANIDE BEARING SLUD (2) 512922-00 - ERG(157) CYANIDE BEARING SLUD (3) 512923-00 - ERG(157) CYANIDE BEARING SLUD (4) 512920-00 - ERG(157) FILTER MEDIA CYANIDE

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: x Ralph Celone — Signature: x [signature] — Month 09 Day 20 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Ulrich — Signature: [signature] — Month 09 Day 20 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141	H141	H141

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Gary Scoppio — Signature: [signature] — Month 09 Day 22 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

527907 Bay-26270 1377118

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page of	23. Manifest Tracking Number
	NYD085502243	of 2	004984139FLE

24. Generator's Name
STEWART EFI, LLC
45 OLD WESTBURY RD , THOMASTON CT 06787 (860)283-8213

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit WL/Vol.	31. Waste Codes		
X	5 UN1588 WASTE CYANIDES, INORGANIC, SOLID, N.O.S. (CARBON,SODIUM CYANIDE) 6.1 PGII "TOXIC" R/O - carbon vessel	xx1	CF DM	x1500	P	F008		+
X	6 UN1588 WASTE CYANIDES, INORGANIC, SOLID, N.O.S. (LEAD,CHROME,SILVER) 6.1 PGII "TOXIC" cup up piping / tanks	xx1	CF DM	xx150	P	D007 F008	D008	D011 +
X	7 UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE) 8 PGII sludge from tank	xx2	DF DM	xx60	G	D002		
	8 NON RCRA / NON DOT REGULATED SOLID, NONE, NONE salt - united	xx1	DM	xx400	P			+
	9 NON-RCRA NON DOT REGULATED SOLIDS oily Debris - united	xx1	DM	xx200	P			
	10							
	11							
	12							
	13							
	14							

32. Special Handling Instructions and Additional Information (5) 512920-00 - ERG(157) CYANIDE BEARING SOLI (6) 512919-00 - ERG(157) CYANIDE BEARING DEBR (7) 512868-00 - ERG(154) CAUSTIC SODA (8) 512877-00 - SALT (9) 512871-00 - OILY DEBRIS

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

(5) H141	(6) H141	(7) H141	(8) H141	(9) H141

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CONTAINS HAZARDOUS MATERIALS

STRAIGHT BILL OF LADING – SHORT FORM – Original – Not Negotiable

Shipper's No. NYD 085502243

(Carrier) AMERICAN ENV. ASSESSMENT CORP. SCAC. _____ Carrier's No. NYR000044412

Received, subject to the classifications and tariffs in effect on the date of this Bill of Lading:

at _____, date SEPT 20, 2011 from YONKERS

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: (Mail or street address of consignee for purposes of notification only.)	FROM:
Consignee MATTIACE GWTP c/o TRC	Shipper STEWART EFI, LLC
Street GARVIES POINT RD	Street 630 CENTRAL PARK AVE
Destination GLEN COVE NY Zip 11542	Origin YONKERS NY Zip
Route: HIGHWAY	
Delivering Carrier AEAC	Trailer Initial/Number

U.S. DOT Hazmat Reg. Number 081709 550 037RT

No. of packages	HM	Description of articles, special marks, and exceptions	Hazard Class	I.D. Number	Packing Group	*Weight (subject to correction)	Class or rate	Labels required (or exemption)	Check column
4	✓	SULFURIC ACID	8	UN 1830	II	3,000	P	CORROSIVE	
2	✓	SODIUM HYDROXIDE SOLUTION 50%	8	UN 1824	II	1,400	P	CORROSIVE	
2	✓	HYPOCHLORITE SOLUTION	8	UN 1791	II	1,400	P	CORROSIVE	
4		AQUAPURE DF	N/A	N/A	N/A	X160	P	N/A	

Remit C.O.D. to:
Address:
City: State: Zip:

COD AMT: $

Charges Advanced $

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ Prepaid ☐ Collect

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". Note. – where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVER'S SIGNATURE:

SPECIAL INSTRUCTIONS:

SHIPPER: _____
PER: Ralph Celone DATE: 9/20/11

CARRIER: ROBERT BRAGER
PER: AMERICAN ENVIRONMENTAL DATE: 9-20-11

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604).

Permanent post office address of shipper

28-BLS-C4 (Rev. 5/95)

CONTAINS HAZARDOUS MATERIALS

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD085502243	1	(631) 586-2000	No 601733

GENERATOR

5. Generator's Name and Mailing Address
STEWART EFI, LLC
45 OLD WATERBURY RD, THOMASTON CT 06787
Generator's Phone: 860-283-8213

Generator's Site Address (if different than mailing address)
630 CENTRAL PARK AVE
YONKERS NY 10704

6. Transporter 1 Company Name: AMERICAN ENVIRONMENTAL ASSESSMENT CORP — U.S. EPA ID Number: NYR000044412

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
~~LORCO PETROLEUM SERVICES~~ EWT
~~450 S. FRONT ST ELIZABETH NJ 07202~~ 208 ROUTE 109
FARMINGDALE NY 11735
Facility's Phone: ~~908-820-8800~~

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA, NON DOT REGULATED MATERIAL (WATER W/ PETROLEUM)	XX1	VT	X800	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Ralph Celone — Signature: [signature] — Month 9 Day 20 Year 11

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Terrie Mayolitan — Signature: [signature] — Month 9 Day 20 Year 11

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
REJECTED BY LORCO FOR HIGH HALOGENS
RETURN TO GENERATOR 9-27-11
RE-TESTED – 14 PPM 9-28-11
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Sean Moccia — Signature: [signature] — Month 9 Day 30 Year 11