APPENDIX Y

Final Engineering Report

Hudson River Psychiatric Center Site
Landfill Area 6
Town of Poughkeepsie
Dutchess County, New York

NYSDEC Site Number: # V00657

Hudson Heritage Development, LLC

Poughkeepsie, New York

September 2011

FUSS & O'NEILL
Disciplines to Deliver

Fuss & O'Neill of New York, P.C.
80 Washington Street, Suite 301
Poughkeepsie, New York 12601

Project No. 20080291.L4N

FUSS & O'NEILL

CERTIFICATIONS

I, Craig Lapinski, certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the DER approved Remedial Action Work Plan.

All use restrictions, institutional controls, engineering controls and/or any operation and maintenance requirements applicable to the Site are contained in a declaration of covenants and restrictions created and filed with the clerk of the County in which the site is located.

A Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of any engineering controls employed at the Site including the proper maintenance of any remaining monitoring wells, and that such plan has been approved by DER.

075785	09/19/11	
NYS Professional Engineer #	Date	Signature

STATE OF NEW YORK
CRAIG M. LAPINSKI
075785
LICENSED PROFESSIONAL ENGINEER

Table of Contents

Final Engineering Report
Hudson Heritage Development, LLC

1 Background and Site Description 1

2 Summary of Site Remedy 1
2.1 Remedial Action Objectives 1
2.1.1 Groundwater RAOs 1
2.1.2 Soil RAOs 1
2.2 Description of Selected Remedy 2

3 Interim Remedial Measures 3
3.1 Interim Remedial Measures 3

4 Description of Remedial Actions Performed 4
4.1 Governing Documents 5
4.1.1 Site Specific Health & Safety Plan (HASP) 5
4.1.2 Quality Assurance/Quality Control (QA/QC) Plan 5
4.1.3 Storm Water Pollution Prevention Plan (SWPPP) 5
4.1.4 Community Air Monitoring Plan (CAMP) 5
4.1.5 Community Participation Plan 6
4.2 Remedial Program Elements 6
4.2.1 Contractors and Consultants 6
4.2.2 Site Preparation and Permitting 7
4.2.2.1 Stream Sampling 7
4.2.3 Construction Timeline 8
4.2.4 General Site Controls 9
4.2.5 CAMP Results 9
4.2.6 Air Monitoring Plan Results 10
4.2.7 Reporting 10
4.3 Waste Materials Relocation 11
4.4 Imported Backfill 11
4.5 Waste Material Remaining at the Site 12
4.6 Geosynthetic Clay Liner System 13
4.7 Low Permeability Soil Cover 14
4.8 Storm Water Diversion 15
4.9 Monitoring Well Abandonment 15
4.10 Water Line Decommissioning 15
4.11 Institutional Controls 16
4.12 Deviations from the Remedial Action Work Plan 16
4.12.1 Storm Water Abandonment Deviations 16
4.12.2 Storm Water Management Deviations 17
4.12.3 Water Line Abandonment Deviations 17

Table of Contents
Final Engineering Report
Hudson Heritage Development, LLC

Tables — Following Page

1 Analytical Results and Associated Limits for Imported Material
2 Documentation Samples Summary of Detected Analytes

Figures — Following Page

1 Location Map
2 IRM & RAWP As-Built Plan
3 As-Built Details

Appendices — End of Report

A As-Built Survey and Metes & Bounds
B Digital Copy of the FER (CD)
C IRM Report
D RAWP Approval
E Town Permits
F Town Permit Stream Sampling Laboratory Reports (CD)
G CAMP Air Monitoring Data (CD)
H Monthly Status Reports (CD)
I Project Photo Log (CD)
J Laboratory Reports and DUSR (CD)
K Gravel Source NYSDOT Approval Letter
L Fill Material Analytical Reports
M Soil Properties Test Results
N Fill Material Receipts
O GCL Product Certification and Specification Sheets
P Compaction Test Results
Q Deed Restriction and Proof of Filing

LIST OF ACRONYMS

Acronym	Definition
$\mu g/m^3$	Micrograms per Cubic Meter
ACOE	Army Corps of Engineers
CAMP	Community Air Monitoring Plan
DER	NYSDEC Department of Environmental Remediation
DUSR	Data Usability Summary Report
EC	Engineering Control
FER	Final Engineering Report
GCL	Geosynthetic Clay Liner
HASP	Health and Safety Plan
HRPC	Hudson River Psychiatric Center
IC	Institutional Control
IRM	Interim Remedial Measure
LA	Landfill Area
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Bi-phenyls
PID	Photoionization Detector
PM-10	Particulate Matter less than 10 microns
PPE	Personal Protective Equipment
ppm	Parts Per Million
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAO	Remedial Action Objectives
RAWP	Remedial Action Work Plan
SEQRA	State Environmental Quality Review Act
SMP	Site Management Plan
SVOC	Semi-Volatile Organic Compounds
SWPPP	Storm Water Pollution Prevention Plan
TAL	Target Analyte List
TCL	Target Compound List
TIC	Tentatively Identified Compounds
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Compounds

1 Background and Site Description

Hudson Heritage CPCR Ventures, LLC (the Volunteer) entered into a Voluntary Cleanup Agreement (VCA) with the New York State Department of Environmental Conservation (NYSDEC) in April 2004, to investigate and remediate a 2.5-acre portion of the property located in the town of Poughkeepsie, New York. The property was remediated to commercial use standards. This Final Engineering Report (FER) documents the remediation activities completed at the Site.

The Site is located in the County of Dutchess, New York and is identified as a portion of Section 6163 Block 03 and Lot 011149 on the Dutchess County Tax Map. The Site is the portion of the parcel known as Landfill Area 6. Landfill Area 6 is situated on an approximately 2.29-acre area bounded by a gravel driveway and asphalt parking lot to the north and west, a stream to the south, and a former railroad bed to the east (see *Figure 1*). The boundaries of the Site are fully described in *Appendix A*: Survey Map, Metes and Bounds.

An electronic copy of this FER with all supporting documentation is included as *Appendix B*.

2 Summary of Site Remedy

2.1 Remedial Action Objectives

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this Site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Minimize landfill leachate discharges into the unnamed stream and groundwater by preventing direct and indirect infiltration into the waste mass.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with waste materials.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water impacts.
- Prevent impacts to biota due to ingestion/direct contact with waste materials that would cause toxicity or bioaccumulation through the terrestrial food chain.

- Prevent lateral subsurface migration of landfill decomposition gases, such as methane, from the waste mass.

2.2 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected by the NYSDEC in the Remedial Action Work Plan (RAWP) dated September 30, 2004 and the Amendment to the Remedial Action Work Plan dated August 3, 2009. The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

1. Abandonment by grouting the existing 18-inch diameter concrete storm sewer pipe located in the northeastern portion of the landfill.

2. Abandonment by plugging the existing 12-inch diameter clay storm sewer pipe servicing the eastern portion of Ryan Hall.

3. Construction of a swale along the northern perimeter of the landfill to convey storm water from the abandoned 18-inch diameter and 12-inch diameter storm sewer pipes, and intercept storm water from running on to the landfill. The swale discharges to a level spreader that discharges water downgradient of the landfill area.

4. Consolidation of limited quantities of waste from the southeastern corner of LA 6, to the main body of the landfill.

5. Placement of two feet of low permeability cover soil and top soil over impacted material (waste and leachate impacted soil located in the steep sloped area along the stream bank and the western portion of the landfill where soil cover was thin.)

6. Installation of a demarcation layer consisting of orange construction fencing, over the existing waste where the GCL barrier was to be installed.

7. Installation of a six inch thick gas venting layer over the main body of the landfill, followed by a geosynthetic clay liner (GCL), eight inches of barrier protection soil, and four inches of vegetative support material.

8. Installation of a gas vent located at the high point of the landfill to allow for exhausting accumulated landfill gases.

9. Execution and recording of an Environmental Deed Restriction to restrict land use and prevent future exposure to any waste material remaining at the Site.

10. Development and implementation of a Site Management Plan (SMP) for long term management of remaining waste material as required by the Environmental Deed Restriction which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

11. Periodic certification of the institutional and engineering controls listed above.

3 Interim Remedial Measures

3.1 Interim Remedial Measures

An Interim Remedial Measure (IRM) was implemented at the Site during the period from November 2008 to April 2009 in accordance with the Interim Remedial Measures (IRM) Work Plan, Hudson River Psychiatric Center, Landfill Area 6 (The Chazen Companies, March 2008) and the Interim Remedial Measures (IRM) Work Plan Addendum, Hudson River Psychiatric Center (HRPC), Landfill Area 6 (Fuss & O'Neill, July, 2008).

During the period from November 2008 through April 2009 interim remedial measures were implemented at the Site consistent with the Interim Remedial Measures Work Plan (The Chazen Companies, March 2008) and the Interim Remedial Measures Work Plan Addendum (Fuss & O'Neill, July, 2008.) These remedial measures included:

1. Abandonment by grouting the existing 18-inch diameter concrete storm sewer pipe located in the northeastern portion of the landfill. Sections of concrete pipe were removed at the up gradient and down gradient ends of the pipe in order to provide access for injection of concrete grout. Openings were also made at approximately 70 feet intervals along the length of the 18-inch diameter pipe to allow for injection of concrete into the pipe along its entire length.

2. Abandonment by plugging the existing 12-inch diameter clay storm sewer pipe servicing the eastern portion of Ryan Hall. Excavation at the up gradient end of the pipe revealed the pipe to be plugged with soil. A section of pipe up gradient of the proposed drainage manhole had to be removed and reamed out in order to allow the flow of water from Ryan Hall into the new manhole. Water was backed up in the down gradient section of the pipe and did not flow toward the landfill. The field conditions found suggested the existing pipe was collapsed underneath the landfill and plugged with soil. Approximately two cubic yards of concrete was placed into and over the opening of the 12-inch clay pipe to seal off the pipe up gradient of the landfill. Given the apparent collapsed and plugged condition of the pipe, and the placement of the concrete at the up gradient section, it was concluded that the clay pipe no longer represents a continuing significant source of storm water infiltration into the landfill.

3. Construction of a swale along the northern perimeter of the landfill to convey storm water from the abandoned 18-inch diameter and 12-inch diameter storm sewer pipes, and intercept storm water from running on to the landfill. A 10 mil PVC liner was installed in the drainage swale. The liner was anchored in soil at its edges and with concrete blocks placed approximately four feet on center at the base of the swale. A stone level spreader was installed at the west end of the swale which allow for the discharge of storm water downgradient of Landfill Area 6.

4. Consolidation of limited quantities (approximately 50 cubic yards) of waste from the southeastern corner of Landfill Area 6, outside the wetlands and located within the

Former Hudson River Psychiatric Center property limit, under the interim clean fill cover (described below) within the main body of the landfill.

5. Placement of 18 inches of low permeability cover soil and six inches of top soil over impacted material (waste and leachate impacted soil) over an approximate 5,000 square feet area of the landfill in the non-wetland portions of the area along the stream bank. Prior to placement of the low permeability cover soil the area was re-graded to a slope of 1.5:1 or less. Approximately 80 cubic yards of excess soil was removed from the Stream Bank Restoration Area during the regrading and relocated to the western portion of Landfill Area 6.

6. Placement of 18 inches of low permeability soil and six inches of top soil over the western portion of Landfill Area 6 where soil cover was thin (zero to only about one foot thick). The soil cover was graded and seeded to shed surface water off of the landfill. This measure was temporary and was replaced by the GCL installed during the final remedy.

7. Abandonment in –place using grout of piezometer PZ-2. The IRM work plan had called for abandoning piezometer PZ-4; however, piezometer PZ-4 had previously been destroyed and could not be located to be abandoned.

Clean fill material was imported to the Site during the IRM for use as:

- Low permeability soil used as cover material on the southern slope along the stream bank and as cover over an approximate 5,000 square feet area of the landfill

- Vegetative support material used as cover over the low permeability soil

A summary of the quantity and source of the imported materials is included below in *Table A*.

Table A: Summary of Sources of Imported Materials Used During the IRM

Material	Quantity	Material Source	Imported Fill Samples
Low Permeability Soil (from IRM)	1350 cy	Route 82 Sand & Stone Hibernia, NY	1C – 16C
Vegetative Support Material (from IRM)	430 cy	Liberty Trucking Quarry Amenia, NY	1 VEG – 14 VEG

A copy of the final IRM monthly status report that documents the IRM work is included in *Appendix C*.

4 Description of Remedial Actions Performed

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved RAWP (September 2004) for the Hudson River Psychiatric Center Landfill Area 6

site and the Addendum to the RAWP (August 2009.) All deviations from the RAWP are noted below.

4.1 Governing Documents

The RAWP and Addendum to the RAWP was the primary governing document that was followed during remediation activities. Additional governing documents that were followed during remedial activities are described below in *Sections 4.1.1 through 4.1.4*.

4.1.1 Site Specific Health & Safety Plan (HASP)

A site specific Health and Safety Plan was included in the Addendum to the Remedial Action Work Plan (Fuss & O'Neill, 2009). The procedures and protocols in the HASP were established to provide a mechanism to protect project personnel from potential exposure to known waste material encountered during site activities. All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by the Occupational Safety and Health Administration (OSHA). The HASP was complied with for all remedial and invasive work performed at the Site. The HASP included details regarding the responsibilities of key personnel, personal protective equipment (PPE), emergency information, and decontamination/cleanup procedures. All personnel involved in the field activities were familiarized with the HASP and complied with its requirements.

4.1.2 Quality Assurance/Quality Control (QA/QC) Plan

The QA/QC Plan was included as Section 7 of the Remedial Action Work Plan (Chazen, 2004) and the Addendum to the Remedial Action Work Plan (Fuss & O'Neill, 2009) approved by the NYSDEC. The QA/QC plan was followed during implementation of the remedial action at the Site with the following exception: The QA/QC Plan indicated that an Engineer's Certification Report would be prepared within 90 days after completion of the remediation. This FER serves as the Engineer's Certification Report; however, submittal of this report has extended beyond 90 days from completion of the remediation.

4.1.3 Storm Water Pollution Prevention Plan (SWPPP)

The erosion and sediment controls for all remedial construction were performed in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the Storm Water Pollution Prevention Plan (Fuss & O'Neill, 2009.)

4.1.4 Community Air Monitoring Plan (CAMP)

Particulate matter less than 10 microns (PM-10) was monitored according to the CAMP included in Section 5.10 of the Remedial Action Work Plan (Chazen, 2004) and the Addendum to the Remedial Action Work Plan (Fuss & O'Neill, 2009) approved by the NYSDEC. Particulates were monitored using particulate meters in the work area, upwind, and downwind

locations during waste relocation activities and during site grading activities that occurred prior to the placement of the GCL.

If the downwind PM-10 particulate levels were 100 micrograms per cubic meter ($\mu g/m^3$) greater than background (upwind perimeter) for a 15-minute period or if airborne dust was observed leaving the work area, then dust suppression techniques would have been employed. Work would be allowed to continue with dust suppression techniques being implemented, provided that downwind PM-10 particulate levels did not exceed 150 $\mu g/m^3$ above the upwind level and provided that no visible dust was migrating from the work area. If, after implementation of the dust suppression techniques, downwind PM-10 particulate levels remained greater than 150 $\mu g/m^3$ above the upwind level, work would have been stopped and a re-evaluation of activities initiated.

4.1.5 Community Participation Plan

A public hearing was held on July 16, 2009 prior to obtaining Site Plan approval from the Town of Poughkeepsie. No inquiries from the public have been received since commencement of the remedial activities at the Site. A fact sheet that announces issuance of DER Closure Letter will be mailed to site contact list within 10 days after a Closure Letter is received from the NYSDEC.

4.2 Remedial Program Elements

4.2.1 Contractors and Consultants

Implementation of the RAWP was performed by the following contractors, sub-contractors, and consultants:

- Scavo Contracting Corporation (Scavo) – General contractor
- Tectonic Engineering and Surveying Consultants P.C. (Tectonic) – Soil compaction testing and cover materials sampling
- Samleen, LLC (Samleen) – Geosynthetic clay liner installation subcontractor
- Ausfeld & Waldruff Land Surveyors, LLP (Ausfeld & Waldruff) – constructions limits stake out and as-built survey
- JTJ Tapping, Inc.– Water line tapping for water line shutoff
- Fuss & O'Neill of New York, PC– Community air monitoring and construction oversight
    - Engineer of Record – Craig Lapinski, PE

4.2.2 Site Preparation and Permitting

Documentation of agency approval of the RAWP is included in *Appendix D*. A land contour permit and an aquatic resource permit were obtained from the Town of Poughkeepsie for the work proposed in the RAWP. Routine stream sampling was required by the Town of Poughkeepsie for the aquatic resource permit.

Copies of the Town of Poughkeepsie permits relating to the remediation project are provided in *Appendix E*. All SEQRA requirements and all substantive compliance requirements for attainment of applicable natural resource or other permits were achieved during this Remedial Action.

An application was made to the Army Corps of Engineers (ACOE) for a wetlands disturbance permit to allow for removal of solid waste from within the wetlands located adjacent to the stream and for placement of a clean soil cover in the wetland area. The ACOE allowed the 45 day notification period to pass thereby authorizing the project.

4.2.2.1 Stream Sampling

Surface water sampling was not a part of the RAWP, nor was it requested or required by the NYSDEC. To comply with the requirements of the Town of Poughkeepsie Land Contour Permit, four surface water sampling locations were established. The first sample location, SW-01, was upstream of the landfill area at the point where the culvert discharges to the stream, the second, SW-02, was within the reach of the stream where previously observed leachate discharge enters; the third, SW-03, was centrally located along the border of the landfill, and the fourth, SW-04, was downstream of the landfill area.

The sample locations are shown on *Figure 2*. Samples were submitted to Phoenix Environmental Laboratories, Inc. for analysis of the following parameters:

- pH
- Alkalinity
- Color
- Chloride
- Hardness
- Sulfate
- Bromide
- Ammonia
- Total phenols
- Chemical Oxygen Demand (COD)
- Biological Oxygen Demand (BOD)
- Total Suspended Solids (TSS)
- Total Dissolved Solids (TDS)
- Total Organic Carbon (TOC)
- Total Phosphorous
- Total Kjeldahl Nitrogen (TKN)

- Nitrate as Nitrogen (NO3-N)
- Total and dissolved metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium (III and VI), cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, zinc)
- Total Cyanide
- Volatile Organic Compounds (VOCs)

One set of samples was collected from all four sample locations prior to the start of construction activities. During the construction period samples were collected approximately once a month from the upstream, downstream, and centrally located sample locations. Samples were collected from all four sample locations approximately one month after the completion of construction activities and again two months later.

During each sampling event, no significant difference between the upstream, midstream, and downstream samples was noted. No significant impacts to surface water quality from leachate discharging from the landfill were observed. Sample results were submitted to the Town of Poughkeepsie for their records. The Town of Poughkeepsie's environmental consultant, Karol Knapp of Aspen Environmental, reviewed the sample data and concluded that the sample results indicated that there was "nothing worthy of concern." Data collected as a result of this stream sampling is included in *Appendix F*.

4.2.3 Construction Timeline

A pre-construction meeting was held with NYSDEC, Scavo, Fuss & O'Neill, and the Volunteer on September 30, 2009. A second pre-construction meeting with the Volunteer, Scavo, Morris Associates (Town Engineer), Karol Knapp (Town Environmental Consultant,) and Fuss & O'Neill was held at the Site on October 7, 2009.

Prior to any intrusive work being performed the limits of the work area were staked out by Ausfeld & Waldruff on November 25, 2009. Silt fence was installed around the entire work area prior to any intrusive work being performed. Construction activities began on November 30, 2009 and were completed by November 8, 2010.

A final site walk through with the NYSDEC, Scavo, Fuss & O'Neill, and Morris Associates (Town Engineer) was completed following substantial completion of the remedial activities at the Site on October 5, 2010.

A summary timeline of construction activities at the Site is included below in *Table B*.

Table B: Construction Activities Timeline

Task	Date
Pre-construction Meetings	September 30, 2009 & October 7, 2009
Survey Stake-Out	November 25, 2009
Erosion Control Installation, Tree Removal, & Grubbing	November 30,2009 – December 7, 2009
Site Grading	December 17, 2009 –January 27, 2010
Former Stormwater Line Abandonment	December 28, 2009 – January 6, 2010
Waste Relocation	January 20, 2010 – January 27, 2010
Demarcation Layer and Gas Venting Layer Placement	June 2, 2010 – June 14, 2010
Gas Vent Installation	June 3, 2010 – June 4, 2010
GCL Installation	June 15, 2010 – June 17, 2010
Barrier Protection Layer Installation	June 15, 2010 – June 24, 2010
Vegetative Support Material Placement	June 24, 2010 – July 2, 2010
Substantial Completion Site Meeting	October 5, 2010
Contractor Demobilization	November 8, 2010

4.2.4 General Site Controls

The Site is located on the campus of the former Hudson River Psychiatric facility. Access to the Site is controlled by gates that prevent access to the facility. A full time caretaker patrols the facility campus during the day.

Prior to Site activities, the remedial contractor notified New York State Dig Safely (800-962-7962) to request a utility mark-out.

Prior to initiation of construction activities, erosion and sediment control measures including silt fencing, catch basin inlet protections, and a stabilized construction entrance were installed at the Site according to the SWPPP. Following construction activities, the Site was stabilized using erosion control matting on slopes exceeding a 3H:1V slope. Mulch and grass seed were placed across the Site to establish vegetation across the disturbed portions of the Site following completion of construction activities.

4.2.5 CAMP Results

Particulate levels were monitored throughout construction when there was a potential for native soils to be disturbed, as described in *Section 4.2.5*. When particulate levels within the work area approached the action limit for downwind particulates, action was taken to reduce the particulates. Control of particulates was achieved by spraying water within the work area using a truck with a water tank. Vehicles used for delivery of materials to the Site were not permitted within the landfill area until a six inch minimum layer of clean material was placed over the landfill material.

Implementation of dust controls were required when downwind PM-10 particulate level is 100 micrograms per cubic meter (μg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust was observed leaving the work area. The CAMP allowed for work to continue with dust suppression techniques provided that downwind PM-10 particulate levels did not exceed 150 μg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

At no time did downwind PM-10 particulate levels exceed 100 μg/m^3. Within the immediate work area PM-10 particulate levels did exceed 100 μg/m^3 for short periods on four days, including April 20, 2010, April 22, 2010, May 18, 2010, and June 2, 2010. Before the downwind levels of particulates could rise above 100 μg/m^3 dust was controlled by spraying the ground surface within the work area using a truck with a water tank. Copies of the particulate monitoring logs are provided in electronic format in *Appendix G*.

4.2.6 Air Monitoring Plan Results

The air monitoring plan included in the RAWP called for scanning for organic vapors using a photoionization detector (PID) during intrusive site activities. A PID was used to log organic vapor concentrations within the work area during intrusive site activities when buried solid waste had the potential to be disturbed. Such activities included:

- Stripping and stockpiling existing cover soils for later reuse from areas overlying waste
- Preparation of anchor trenches for the GCL
- Excavation and relocation of waste from the southeast corner of the Site to the main body of the landfill
- Excavation and re-grading of waste on County property and along the eastern edge of the landfill in preparation of cap installation
- Excavation of access points for grouting and abandonment of metal storm drain within the limits of the landfill
- Excavation associated with installation of the gas vent

The peak one minute time-weighted average reading for organic vapors during these activities was 8.2 parts per million (ppm) which occurred on December 18, 2010. It is uncertain what the cause of this high reading was as no potential source of the volatiles was noted. The one minute time-weighted average readings for both the minute preceding the high reading and following the elevated reading were 0.0 ppm. Copies of the volatile organics monitoring logs are provided in electronic format in *Appendix G*.

4.2.7 Reporting

Monthly status reports were submitted to the NYSDEC and NYSDOH during the period when construction activities were occurring. Copies of the monthly reports are included in electronic

format in *Appendix H*. Photographs taken during the remedial work are included in electronic format in *Appendix I*.

4.3 Waste Materials Relocation

Solid waste was removed from the southeast corner of the Site located adjacent to the former railroad bed on property owned by Dutchess County and relocated to within the extents of the GCL cover area. Visible solid waste in this area was relocated to the main body of the landfill, where it was used to level out low lying areas across the landfill area. The location of the area where the solid waste was removed is shown on *Figure 2*. Documentation samples were collected from the base and east sidewall of the excavation. A table summarizing the laboratory results is included in *Appendix F*. The laboratory report and an associated Data Usability Summary Report (DUSR) are included in electronic format in *Appendix J*.

Approximately two feet of soil and solid waste was removed from the wetland area located adjacent to the eastern end of the stream. This material was also relocated to the main body of the landfill, where it was used to level out low lying areas across the landfill area. The material located in the wetland area was removed to allow for the placement of a low permeability soil cap as discussed in *Section 4.7*. The location of the area where the solid waste was removed is shown on *Figure 2*.

4.4 Imported Backfill

Clean fill material was imported to the Site for use as:

- the six inch thick gas venting layer located below the GCL
- the eight inch thick barrier protection layer located on top of the GCL
- the four inch thick vegetative support material located over the barrier protection layer
- gravel used in the gas vent trench and the tie-in along the top of stream bank slope

A summary of the quantity and source of the imported materials is included below in *Table C*.

Table C: Summary of Imported Materials Sources

Material	Quantity	Material Source	Imported Fill Samples
Gas Venting Layer	2981.11 tons	Redwing Quarry – Milan, NY	HS ES-1G, HS ES-1, HS-ES-2G, HS ES-2, HS ES-3G, HS ES-3, HS ES-4G, HS ES-4, HS WS-1G, HS WS-1, HS WS-2, HS WS-2G, HS WS-3, HS WS-3G, HS WS-4, HS WS-4G
Gravel	22.62 tons	Redwing Properties, Inc. – Elizaville, NY	N/A*
Barrier Protection Layer	1590 cy	Liberty Trucking Quarry – Amenia, NY	BPL SE-1G, BPL SE-1, BPL SE-2G, BPL SE-2, BPL NW-1G, BPL NW-1, BPL NW-2G, BPL NW-2, BPL NE-2G, BPL SW-1, BPL SW-1G, BPL-SW-2, BPL SW-2G, BPL E-1, BPL E-1G
Vegetative Support Material	1430 cy	Liberty Trucking Quarry – Amenia, NY	TS-1SG, TS-1S, TS-2SG, TS-2S, PS-3SG, TS-3S, TS-4SG, TS-4S, TS-5NG, TS-5N, TS-6NG, TS-6N, TS-7NG, TS-7N, TS-8NG, TS-8N

* Gravel used in the gas vent trench and near the edge of the liner where the cover material ties into the stream bank slope was imported from Redwing Properties, Inc. in Elizaville, NY. Redwing Properties, Inc. is a New York State Department of Transportation (NYSDOT) approved source of fine and coarse aggregates. A copy of the NYSDOT approval is included in *Appendix K*.

Prior to importing soil or sand to the Site, samples of the material were collected by Tectonic and analyzed by Chemtech for the Target Compound List (TCL) of polychlorinated biphenyls (PCBs), TCL Pesticides, TCL volatile organic compounds (VOCs) with ten tentatively identified compounds (TICs), SVOCs with 20 TICs, cyanide, and the Target Analyte List (TAL) of metals. Results of the testing were compared to the lower of the protection of groundwater or the protection of public health soil cleanup objectives for commercial sites as set forth in 6 NYCRR375 Table 375-6.8(b) and summarized in Appendix 5 of DER-10. All soils met the commercial use criteria. Tables summarizing chemical analytical results for backfill, in comparison to allowable levels, are provided in *Table 1*. Copies of the analytical report and Tectonic's sampling field report are included in electronic format in *Appendix L*.

In addition to the analytical testing, soil properties testing (eg. sieve analysis) was performed on the gas venting layer, barrier protection layer, and vegetative support materials. Copies of the soil properties test results are included in electronic format in *Appendix M*. A figure showing the site locations where backfill was used at the Site is included as *Figure 2*. Receipts for the fill material are included in *Appendix N*.

4.5 Waste Material Remaining at the Site

Solid waste remains below the extents of the liner area as shown on the as-built survey included in *Appendix A*. In the liner area, orange construction fencing was placed over the remaining solid waste to act as a demarcation layer. Six inches of gas venting material was placed on top of the demarcation layer, followed by the GCL, eight inches of barrier protection layer, and four inches of vegetative support material.

The only solid waste that remains outside of the liner limits is located in the area between the stream and the liner area as shown on the as-built survey included in *Appendix A*. This area was the subject of the IRM work. In this area the existing solid waste is covered by an 18 inch layer of low permeability cover soil and six inches of vegetative support material.

Since solid waste remains at the Site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. These Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual waste material will be performed under the Site Management Plan (SMP) approved by the NYSDEC.

4.6 Geosynthetic Clay Liner System

Landfill leachate discharges into the unnamed stream and groundwater that occurred prior to the remedial action are mitigated by a geosynthetic clay liner (GCL) that minimizes the direct and indirect infiltration of rain water into the waste material. In addition the GCL prevents exposure to remaining waste material at the Site.

The landfill surface was graded prior to placement of the cap system to promote surface water run-off. The GCL system consists of a minimum six inch thick gas venting layer placed over the landfill area followed by the GCL, a minimum of eight inches of barrier protection layer and four inches of seeded vegetative support material.

Following grading of the landfill surface, the gas vent riser and gas venting layer were installed. The gas vent consists of:

- A geotextile lined trench that was excavated at the highest elevation of the landfill area
- A six inch perforated PVC pipe was installed in the trench and the trench was backfilled with gravel
- A solid gas vent riser is connected to the perforated piping and allows gas that collects within the trench to exhaust to the outdoor air.

A detail of the as-built gas vent is included on *Figure 3*.

Following installation of the gas vent, a six inch thick gas venting layer was installed across the Site. The gas venting layer material was compacted using a 10-ton vibratory roller. Tectonic observed sufficient compaction of the gas venting layer and performed compaction tests to verify the material was uniformly compacted. Tectonic's compaction test report is included in *Appendix P*.

The GCLs used at the Site were CETCO Bentomat ST and CETCO Bentomat DN. CETCO Bentomat DN was used for all slopes equal or steeper than 3H:1V. CETCO Bentomat ST was used in all other areas. Copies of the manufacturer's product certification and specifications for the GCL are included in *Appendix O*. The GCL installation contractor followed the manufacturer's recommended installation procedures.

The GCL panels were installed parallel to the direction of the slope. Longitudinal seams were overlapped a minimum of 6 inches. The GCL is manufactured with a grooved cut in the nonwoven geotextile that allows bentonite to freely extrude into the longitudinal overlap to seal the seam between panels.

The end-of-roll seems were constructed first by overlapping the adjacent panels a minimum of 24 inches, exposing the underlying panel, and then applying a continuous bead of granular sodium bentonite 12 inches from the edge of the underlying panel.

Penetrations through the GCL were created by cutting a notched opening in the GCL, placing granular sodium bentonite along the perimeter of the penetration and placing a collar of additional GCL material that overlaps the penetration by a minimum of 12 inches. A continuous bead of granular sodium bentonite was placed between the collar and underlying panel at approximately six inches from the edge of the collar.

As placement of the GCL was occurring, an overlying eight inch thick barrier protection layer was placed over the completed sections of GCL. The barrier protection layer material was compacted using a 10-ton vibratory roller. Tectonic observed the compaction of the barrier protection layer and performed compaction tests. Sixteen compaction tests were performed across the barrier protection layer area. All but two locations were initially compacted to at least 90% of maximum dry density. The two locations that were not at 90% compaction were only slightly below and following re-compaction in those areas a minimum 90% compaction was achieved. Tectonic's compaction test report is included in *Appendix P*.

Following placement of the barrier protection layer, a minimum four inch thick layer of vegetative support material was placed over the barrier protection layer. Following placement of the vegetative support material all disturbed areas of the Site were hayed and seeded. Vegetation had become established across the Site by the time of the substantial completion site meeting on October 5, 2010.

Figure 2 shows the location where the GCL system is installed and a cross section detail of the GCL system. An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual waste material are disturbed, is provided in the SMP as *Appendix E*.

4.7 Low Permeability Soil Cover

During the IRM work described in *Section 3* of this report, a low permeability soil cover was installed at the slope of the stream bank and the western portion of LA 6 where soil cover was thin (zero to approximately one foot thick). The low permeability soil cover consisted of 18 inches of low permeability soil and six inches of vegetative support material. All of the low permeability soil cover areas were hayed and seeded and vegetation was established. The low permeability soil cover installed along the slope of the stream bank is a permanent part of the remedial action performed at the Site. The portion of the low permeability soil cover located on the western portion of LA 6 was intended to be a temporary measure that would be replaced by the GCL during implementation of the final remedy. Prior to placement of the GCL, the

vegetative support material and approximately the top one foot of the low permeability soil were removed from the western portion of LA 6 and temporarily stockpiled to the west of LA 6.

The stockpiled low permeability soil and vegetative support material were used to extend the low permeability soil cover into a small area, approximately 391 square feet, of wetland located at the base of the slope adjacent to the eastern end of the stream bank as shown on *Figure 2*. The low permeability soil cover consists of 18 inches of the low permeability soil and six inches of vegetative support material. Following placement of the cover material the area was hayed and seeded.

4.8 Storm Water Diversion

As part of the remedial work performed, a 12-inch diameter clay pipe located near the western side of Ryan Hall was abandoned in place. The pipe was cut just to the north of the lined swale installed during the IRM. The pipe was then plugged at its outlet end and filled with controlled low strength material (concrete grout). The length of pipe that was abandoned was approximately 84 feet long. To confirm that the pipe was fully grouted without voids being left in the pipe, the volume of the pipe was calculated and compared to the volume of concrete used to fill the pipe. A meter on the concrete truck showed that 2.36 cubic yards of concrete was used to fill the pipe. The total volume of this pipe was calculated to be 2.4 cubic yards which confirms that only minimal voids may remain in the pipe.

A new overflow catch basin (CB-3) was installed along the 12-inch clay pipe just to the north of the lined swale. Two other overflow catch basins (CB-1 and CB-2) were installed as part of the IRM work as described in Section 3. Storm water that originally discharged through the pipes that passed through the landfill area is now re-routed to the drainage swale. The swale also captures run-off from a portion of the re-graded LA 6 and the surrounding area up gradient of the landfill. The collected run-off is conveyed to the west, where it discharges to a level spreader, and ultimately flows overland to the existing stream to the south.

4.9 Monitoring Well Abandonment

Bedrock monitoring wells MWHR6-20D, MWHR6-21D, and MWHR6-23D were abandoned. The abandoned monitoring wells were sealed with a cement grout using a tremie pipe to ensure that the full length of the well was filled. Soil was excavated surrounding the monitoring well to allow for the monitoring well to be cut off at a depth of five feet below the final grade surface. The excavation was backfilled with the native material that was removed from the excavation and compacted.

4.10 Water Line Decommissioning

Two waterlines located near the north edge of the landfill limits were cut and capped off, just outside of the landfill limits. The RAWP addendum had called for the abandoned portion of the water lines that were believed to run under the landfill area to be backfilled with sand. As discussed below in Section 4.12, it was determined that these water lines did not actually run

through the landfill area. Since there was no potential for the abandoned water lines to act as conduits for water travelling through the landfill waste, the water lines were not filled with sand.

4.11 Institutional Controls

The site remedy requires that a deed restriction be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining waste material by controlling disturbances of the subsurface waste material; and, (3) limit the use and development of the Site to commercial uses only.

The deed restriction for the Site was executed by the Volunteer on March 23, 2011, and filed with the Dutchess County Clerk on August 18, 2011. The County Recording Identifier number for this filing is 02 2011 3725. A copy of the deed restriction and proof of filing is provided in *Appendix Q*.

4.12 Deviations from the Remedial Action Work Plan

Conditions encountered at the Site resulted in some modifications to the work proposed in the RAWP and the RAWP Addendum.

4.12.1 Storm Water Abandonment Deviations

A 36-inch corrugated metal pipe that was believed to run along the east end of Landfill Area 6 was proposed to be plugged and abandoned in place using concrete slurry. Storm water from that pipe would have been re-routed to an existing 36-inch diameter reinforced concrete pipe that runs parallel to the location where the corrugated metal pipe was believed to exist. Numerous test pits were dug in an attempt to find the pipe in the vicinity of the location shown on the original survey drawing; however, the location of this drain pipe could not be identified. In addition, a field investigation confirmed that the manhole located at the northernmost point of the proposed area of disturbance was not connected to the 36-inch corrugated metal storm water line as shown on the plans in the RAWP. The manhole was instead connected by a 36-inch reinforced concrete pipe to a second manhole located approximately 140 feet to the south. Water from these manholes ultimately discharges at the headwall located at the east end of the unnamed stream located at the south end of the Site as shown on *Figure 2*. Therefore, the proposed manholes (DMH-1 & DMH-2) that were proposed to divert water from the 36-inch corrugated metal pipe were not required.

While trying to locate the 36-inch corrugated metal storm water line, an 18-inch corrugated metal pipe was found approximately 10 feet west of the existing manhole which is located approximately 140 feet to the south of the proposed northern limits of disturbance. The pipe began near the manhole, and extended south into the landfill limits to a location approximately 100 ft south of another existing manhole labeled as UMH on the Site plans. The existing manhole UMH was a non-functioning storm manhole that receives the 18-inch CMP. The 18-inch corrugated metal pipe was excavated from its location, crushed, and disposed of within the landfill area. Manhole UMH was crushed in place and backfilled with existing material.

4.12.2 Storm Water Management Deviations

The proposed stone check dams that were to be installed at the north end of the Site were not installed. This change was made because a gentler grade was able to be achieved in this area which precluded the need for stone check dams to control storm water flow.

An existing 24-inch steel drainage line was discovered beneath the abandoned rail bed during excavation of the waste material from the southeast corner of the Site. The pipe's outlets had been buried on each end; however, it appears that it had been acting as a conduit draining water from the east side of rail bed to the stream via subsurface flow. The pipe was extended to the stream using a 24-inch corrugated HDPE pipe. The pipe discharges to a HDPE flared end outlet with riprap protection up to the edge of the waterline in the stream.

4.12.3 Water Line Abandonment Deviations

Two waterlines located near the north edge of the landfill limits were proposed to be cut just outside of the landfill limits, capped, and the portion of the pipe located within the landfill limits filled with sand. These waterlines were cut and capped; however, while trying to locate the lines it was determined that the location of the waterlines varied from the base survey used to create the plans included in the RAWP addendum. A number of test pits were excavated to locate the water lines and it was determined that the water lines were not actually located within the landfill area. The purpose of filling the abandoned water lines as proposed in the RAWP was to prevent them from acting as preferential pathways for water travelling through the waste material in the landfill. Since they were not located within the landfill area it was determined that it would not be necessary to fill the lines with sand.

Tables

Table 1: Imported Soil Summary of Detected Analytes
Former Hudson River Psychiatric Site - Landfill Area 6 - June 2011

	Subpart 375-6 Unrestricted Use Fill	Subpart 375-6 Commercial Use Fill	Sample I.D.:	IRM Vegetative Support Material													
				1-VEG	2-VEG	3-VEG	4-VEG	5-VEG	6-VEG	7-VEG	8-VEG	9-VEG	10-VEG	11-VEG	12-VEG	13-VEG	14-VEG
			Sampling Date:	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009	2/20/2009
CONSTITUENT			UNITS														
Inorganics																	
Aluminum	NA	NA	mg/kg								11900	10900	9870	9380	11000	9100	10800
Antimony	NA	NA	mg/kg								ND<1.2	ND<1.2	ND<1.1	ND<1.1	ND<1.1	ND<1.2	ND<1.2
Arsenic	13	16	mg/kg								3.8	26.7B	3.6	2.7	2.3	2.3	3.8
Barium	350	400	mg/kg								23.5B	0.18B	21.7B	17.7B	21.1B	19.1B	24.5B
Beryllium	7.2	47	mg/kg								0.22B	ND<0.07	0.21B	0.16B	0.22B	0.19B	0.21B
Cadmium	2.5	7.5	mg/kg								ND<0.07	3240	ND<0.07	ND<0.07	ND<0.07	ND<0.07	ND<0.07
Calcium	NA	NA	mg/kg								6130	12.7	3340	2360	2370	4980	4160
Chromium[1]	30/1[1]	1500/19[1]	mg/kg								13.5	12.7	11.3	11.4	12.3	10.6	12.6
Cobalt	NA	NA	mg/kg								10.3B	9.0B	8.9B	8.2B	9.7B	7.7B	9.4B
Copper	50	270	mg/kg								19.5	15.4	16.6	14	24	13.2	16.8
Cyanide	27	27	mg/kg								ND<0.11	ND<0.12	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
Iron	NA	NA	mg/kg								27200	23000	22100	16500	25700	16400	25400
Lead	63	450	mg/kg								ND<0.33	ND<0.33	ND<0.32	ND<0.32	ND<0.32	ND<0.33	ND<0.33
Magnesium	NA	NA	mg/kg								9320	7240	6780	6350	7340	7270	7690
Manganese	1600	2000	mg/kg								850	970	771	669	737	758	783
Mercury	0.18	0.73	mg/kg								ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND<0.01
Nickel	30	130	mg/kg								18.9	16.1	18	15.8	18.3	14.6	18.3
Potassium	NA	NA	mg/kg								704B	661B	568B	510B	802B	466B	714B
Selenium	3.9	4	mg/kg								ND<0.51	ND<0.52	ND<0.50	ND<0.50	ND<0.51	ND<0.51	ND<0.51
Silver	2	8.3	mg/kg								ND<0.31	ND<0.32	ND<0.30	ND<0.30	ND<0.31	ND<0.31	ND<0.31
Sodium	NA	NA	mg/kg								54.4B	47.8B	47.5B	35.7B	48.1B	42.0B	72.6
Thallium	NA	NA	mg/kg								ND<0.50	1.1B	ND<0.58	ND<0.59	ND<0.59	ND<0.60	ND<0.60
Vanadium	NA	NA	mg/kg								12.8	11.2B	9.4B	7.7B	10.9B	7.2B	10.3B
Zinc	109	2480	mg/kg								58.3	49.1	49.2	42.6	50.3	43.3	55.8
PCBs																	
Aroclor 1016	100	1000	µg/kg								ND	ND	ND	ND	ND	ND	ND
Pesticides																	
Endosulfan Sulfate	2.4	200	µg/kg								ND	ND	ND	ND	ND	ND	ND
Semi-volatile Organic Compounds (SVOCs)																	
1,2,4-Trichlorobenzene	NA	NA	µg/kg								ND	ND	77J	110J	110J	89J	86J
Benzo(a)anthracene	1000	1000	µg/kg								ND	ND	ND	ND	ND	ND	ND
benzaldehyde	NA	NA	µg/kg								ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1000	1000	µg/kg								ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1000	1700	µg/kg								ND	ND	ND	ND	ND	ND	ND
Chrysene	1000	1000	µg/kg								ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	NA	NA	µg/kg								ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100000	500000	µg/kg								ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100000	500000	µg/kg								ND	ND	ND	ND	ND	ND	ND
Pyrene	100000	500000	µg/kg								ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compunds (VOCs)																	
Acetone	50	50	µg/kg	ND	ND	ND	ND	ND	ND	ND							
Chloroform	370	370	µg/kg	ND	ND	ND	ND	ND	ND	ND							

Notes:

1. A = Indicates that the tentatively identified compound is a suspected aldol condensation product.
2. B = The reported value was obtained from a reading that was less than the Reporting Level but greater than or equal to the the Instrument detection Limit
3. J = The value is estimated. This flag is used when the compound is reported above the MDL, but below the PQL and for all identified Tentatively Identified Compounds (TIC)
4. * = Duplicate analysis not within control limits.
5. ND <280 = Not detected above the Reporting Level
6. Tentatively identified compounds (TICS) are not included in this table.

Bold text indicates an exceedance of the standard for Unrestricted Use Imported Fill.

[1] Only total chromium was reported. The total chromium exceeded the hexavalent chromium unrestricted use standard, but does not exceed the standard for trivalent chromium.

Table 1: Imported Soil Summary of Detected Analytes
Former Hudson River Psychiatric Site - Landfill Area 6 - June 2011

	Subpart 375-6 Unrestricted Use Fill	Subpart 375-6 Commercial Use Fill	Sample I.D.:	IRM Low Permeability Soil															
				1C	2C	3C	4C	5C	6C	7C	8C	9C	10C	11C	12C	13C	14C	15C	16C
			Sampling Date:	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009	2/23/2009
CONSTITUENT			UNITS																
Inorganics																			
Aluminum	NA	NA	mg/kg	13700	14700	14200	15300	13900	15300	15100	13600								
Antimony	NA	NA	mg/kg	ND<1.2	11.8B	3.2B	ND<1.2	ND<1.2U	ND<1.2	ND<1.2	2.4B								
Arsenic	13	16	mg/kg	10.9	11.8	11.5	12.6	10.7	12.4	12.2	12.4								
Barium	350	400	mg/kg	51.5	55.7	53.4	59.8	53	62.3	55.7	52.2								
Beryllium	7.2	47	mg/kg	0.61B	0.65B	0.65B	0.68B	0.63B	0.67B	0.68B	0.64B								
Cadmium	2.5	7.5	mg/kg	0.15B	0.13B	0.15B	0.19B	0.14B	0.14B	0.16B	ND<0.07								
Calcium	NA	NA	mg/kg	17900	17500	18500	20200	17200	18200	18400	18600								
Chromium[1]	30/1[1]	1500/19[1]	mg/kg	14.4	14.0	14.7	15.0	14.1	15.4	13.7	12.5								
Cobalt	NA	NA	mg/kg	18	19.3	19.5	20.4	18.1	21	19.8	18.8								
Copper	50	270	mg/kg	54	57.9	60.2	63	56	62.7	61.1	58.6								
Cyanide	27	27	mg/kg	ND<0.12	0.72	ND<0.12	0.25	ND<0.12	ND<0.12	ND<0.12	ND<0.12								
Iron	NA	NA	mg/kg	26700	26600	44000	34000	37400	39300	32300	32800								
Lead	63	450	mg/kg	4.3	5.7	5.4	5.5	5.2	8	6.2	ND<0.34								
Magnesium	NA	NA	mg/kg	12600	13200	13200	14300	12500	13600	13300	13000								
Manganese	1600	2000	mg/kg	1460	1610	1500	1730	1460	1640	1530	1480								
Mercury	0.18	0.73	mg/kg	ND<0.01	0.02B	0.02B	0.02B	0.02B	0.03B	0.02B	).02B								
Nickel	30	130	mg/kg	22.6	24.5	24.2	25.8	23.1	25.6	24.8	23.6								
Potassium	NA	NA	mg/kg	980B	968B	935B	1,040B	919B	1,040B	1,010B	942B								
Selenium	3.9	4	mg/kg	ND<0.54	ND<0.53	ND<0.54	ND<0.54	ND<0.53	ND<0.54	ND<0.54	ND<0.54								
Silver	2	8.3	mg/kg	ND<0.33	ND<0.32	ND<0.32	ND<0.33	ND<0.32	ND<0.32	ND<0.32	ND<0.33								
Sodium	NA	NA	mg/kg	124B	90.2B	92.5	101B	89.2B	96.6B	90.5B	91.4B								
Thallium	NA	NA	mg/kg	1.6B	1.4B	0.98B	1.5	1.6B	2.1B	0.85B	1.2B								
Vanadium	NA	NA	mg/kg	10.4B	8.4B	10.5B	8.9	11.1B	9.1B	12.9	10.7B								
Zinc	109	2480	mg/kg	92.6	99	101	104	94.3	104	101	97.5								
PCBs																			
Aroclor 1016	100	1000	µg/kg	ND	ND	13J	ND	ND	ND	ND	ND								
Pesticides																			
Endosulfan Sulfate	2.4	200	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Semi-volatile Organic Compounds (SVOCs)																			
1,2,4-Trichlorobenzene	NA	NA	µg/kg	ND	80J	ND	ND	ND	91J	110J	84J								
Benzo(a)anthracene	1000	1000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
benzaldehyde	NA	NA	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Benzo(a)pyrene	1000	1000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Benzo(b)fluoranthene	1000	1700	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Chrysene	1000	1000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Dimethylphthalate	NA	NA	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Fluoranthene	100000	500000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Phenanthrene	100000	500000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Pyrene	100000	500000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND								
Volatile Organic Compunds (VOCs)																			
Acetone	50	50	µg/kg									23	22	ND	18	ND	13	ND	
Chloroform	370	370	µg/kg									ND	ND	ND	ND	ND	ND	ND	

Notes:

1. A = Indicates that the tentatively identified compound is a suspected aldol condensation product.
2. B = The reported value was obtained from a reading that was less than the Reporting Level but greater than or equal to the the Instrument detection Limit
3. J = The value is estimated. This flag is used when the compound is reported above the MDL, but below the PQL and for all identified Tentatively Identified Compounds (TIC)
4. * = Duplicate analysis not within control limits.
5. ND <280 = Not detected above the Reporting Level
6. Tentatively identified compounds (TICS) are not included in this table.

Bold text indicates an exceedance of the standard for Unrestricted Use Imported Fill.

[1] Only total chromium was reported. The total chromium exceeded the hexavalent chromium unrestricted use standard, but does not exceed the standard for trivalent chromium.

Table 1: Imported Soil Summary of Detected Analytes
Former Hudson River Psychiatric Site - Landfill Area 6 - June 2011

	Subpart 375-6 Unrestricted Use Fill	Subpart 375-6 Commercial Use Fill	Sample I.D.:	Gas Venting Layer Material															
			Sampling Date:	HS ES-1G	HS-ES-1	HS-ES-2G	HS-ES-2	HS-ES-3G	HS-ES-3	HS-ES-4G	HS-ES-4	HS-WS-1G	HS-WS-1	HS-WS-2	HS-WS-2G	HS-WS-3	HS-WS-3G	HS-WS-4	HS-WS-4G
				5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010
CONSTITUENT			UNITS																
Inorganics																			
Aluminum	NA	NA	mg/kg		8280		8410		7670		7560		9770	8880		9140		9200	
Antimony	NA	NA	mg/kg		ND <2.49		0.42J		ND<2.300		ND<2.140		ND<2.290	ND<1.780		ND<2.370		nd<1.780	
Arsenic	13	16	mg/kg		3.15		3.47		3.01		3.51		3.56	3.67		4.26		3.96	
Barium	350	400	mg/kg		39.5		49.4		49.8		48.6		45.3	35.1		52.9		39.6	
Beryllium	7.2	47	mg/kg		0.36		0.39		0.34		0.33		0.38	0.35		0.45		0.39	
Cadmium	2.5	7.5	mg/kg		0.66		0.83		0.62		0.66		0.66	0.7		0.72		0.8	
Calcium	NA	NA	mg/kg		37700		25000		26700		28500		14400	16500		21000		10000	
Chromium[1]	30/1[1]	1500/19[1]	mg/kg		10.1		10.7		9.97		9.06		12	11		12.1		11	
Cobalt	NA	NA	mg/kg		6.94		7.66		7.05		7.21		8.64	8.03		8.6		8.36	
Copper	50	270	mg/kg		15.6		15.3		14		15.7		18	16.8		17.3		16.8	
Cyanide	27	27	mg/kg		ND<0.524		ND<0.524		ND<0.530		ND<0.518		ND<0.518	ND<0.515		ND<0.522		ND<0.522	
Iron	NA	NA	mg/kg		20800		21300		19700		19600		23600	21600		23000		22700	
Lead	63	450	mg/kg		8.75		10.8		11		11.7		12.1	11.9		11.8		11.6	
Magnesium	NA	NA	mg/kg		5160		6190		8920		5700		6150	6280		5790		6090	
Manganese	1600	2000	mg/kg		572		588		459		805		673	559		752		612	
Mercury	0.18	0.73	mg/kg		0.019		0.016		0.017		0.014		0.019	0.013		0.023		0.02	
Nickel	30	130	mg/kg		18.6		20.4		17.5		18.2		22.4	20.8		23.4		20.7	
Potassium	NA	NA	mg/kg		461		425		451		377		438	376		543		430	
Selenium	3.9	4	mg/kg		ND <1.00		ND <0.74		0.57J		0.48J		0.43J	0.45J		0.68J		0.47J	
Silver	2	8.3	mg/kg		ND<0.15		ND<0.11		ND<0.14		ND<0.13		ND<0.14	ND<0.11		ND<0.14		ND<0.11	
Sodium	NA	NA	mg/kg		80.3J		69.6J		82.0J		67.1J		73.5J	54.0J		80.1J		52.7J	
Thallium	NA	NA	mg/kg		ND<1.990		ND <0.20		ND<1.840		ND<1.710		ND<1.830	ND<1.420		ND<1.900		ND<1.430	
Vanadium	NA	NA	mg/kg		11.3		11.8		11.2		10		12.4	11.3		12.8		12.5	
Zinc	109	2480	mg/kg		55.3		56.5		50.5		53.2		60.3	53.7		64.3		58.9	
PCBs																			
Aroclor 1016	100	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Pesticides																			
Endosulfan Sulfate	2.4	200	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Semi-volatile Organic Compounds (SVOCs)																			
1,2,4-Trichlorobenzene	NA	NA	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Benzo(a)anthracene	1000	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
benzaldehyde	NA	NA	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Benzo(a)pyrene	1000	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Benzo(b)fluoranthene	1000	1700	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Chrysene	1000	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Dimethylphthalate	NA	NA	µg/kg		53J		ND		ND		ND		ND	ND		44J		ND	
Fluoranthene	100000	500000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Phenanthrene	100000	500000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Pyrene	100000	500000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND	
Volatile Organic Compunds (VOCs)																			
Acetone	50	50	µg/kg	ND		ND		ND		ND		ND			ND		ND		ND
Chloroform	370	370	µg/kg	ND		ND		ND		ND		ND			ND		1.2J		1.2J

Notes:

1. A = Indicates that the tentatively identified compound is a suspected aldol condensation product.
2. B = The reported value was obtained from a reading that was less than the Reporting Level but greater than or equal to the the Instrument detection Limit
3. J = The value is estimated. This flag is used when the compound is reported above the MDL, but below the PQL and for all identified Tentatively Identified Compounds (TIC)
4. * = Duplicate analysis not within control limits.
5. ND <280 = Not detected above the Reporting Level
6. Tentatively identified compounds (TICS) are not included in this table.

Bold text indicates an exceedance of the standard for Unrestricted Use Imported Fill.

[1] Only total chromium was reported. The total chromium exceeded the hexavalent chromium unrestricted use standard, but does not exceed the standard for trivalent chromium.

Table 1: Imported Soil Summary of Detected Analytes
Former Hudson River Psychiatric Site - Landfill Area 6 - June 2011

	Subpart 375-6 Unrestricted Use Fill	Subpart 375-6 Commercial Use Fill	Sample I.D.:	Barrier Protection Layer Material																	
			Sampling Date:	BPL SE-1G	BPL SE-1	BPL SE-2G	BPL SE-2	BPL NW-1G	BPL NW-1	BPL NW-2G	BPL NW-2	BPL NE-1G	BPL NE-1	BPL NE-2	BPL NE-2G	BPL SW-1	BPL SW-1G	BPL SW-2	BPL SW-2G	BPL E-1G	BPL E-1
				5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	6/8/2010	6/8/2010
CONSTITUENT			UNITS																		
Inorganics																					
Aluminum	NA	NA	mg/kg		5780		7120		6020		7020		6500	7310		7400		6620			5660
Antimony	NA	NA	mg/kg		ND<2.500		ND<2.650		ND<2.410		ND<2.330		ND<2.410	ND<1.860		ND<2.360		ND<1.960			ND<1.490
Arsenic	13	16	mg/kg		3.71		4.32		2.63		3.69		3.34	4.31		5.2		4.09			2.74
Barium	350	400	mg/kg		18		25.8		19.5		20.3		18.8	23.3		24.5		18.8			15.2
Beryllium	7.2	47	mg/kg		0.21J		0.22J		0.17J		0.23J		0.18J	0.24		0.22J		0.22J			0.19
Cadmium	2.5	7.5	mg/kg		0.65		0.72		0.55		0.82		0.56	0.94		0.95		0.84			1.14
Calcium	NA	NA	mg/kg		82200		60600		57800		59000		44900	51200		57400		63000			50800
Chromium[1]	30/1[1]	1500/19[1]	mg/kg		6.65		8.11		6.84		8.05		7.2	8.39		8.64		7.59			6.33
Cobalt	NA	NA	mg/kg		7.19		8.6		6.15		9		6.41	8.41		9.91		7.92			5.91
Copper	50	270	mg/kg		11.4		13.3		10.7		14.1		10.9	13		13.8		12			8.81
Cyanide	27	27	mg/kg		ND<0.556		ND<0.529		ND<0.534		ND<0.541		ND<0.521	ND<0.529		ND<0.533		ND<0.529			ND<0.520
Iron	NA	NA	mg/kg		14900		17800		14100		17200		15200	17700		19800		16800			12300
Lead	63	450	mg/kg		7.41		9.02		7.22		9.3		7.41	9.45		9.54		8.31			7.65
Magnesium	NA	NA	mg/kg		47500		34800		31700		32700		23300	29700		31000		35700			28200
Manganese	1600	2000	mg/kg		429		527		412		544		467	503		954		473			395
Mercury	0.18	0.73	mg/kg		0.010J		0.010J		0.010J		0.013		0.008J	0.08J		0.012		0.013			ND<0.010
Nickel	30	130	mg/kg		14.3		17.1		13.4		18.4		13.5	17.8		20.5		16.3			12.3
Potassium	NA	NA	mg/kg		919		957		860		920		872	1020		1020		1040			703
Selenium	3.9	4	mg/kg		ND<1.000		0.54J		ND<0.96		ND<0.93		ND<0.96	ND<0.75		ND<0.94		ND<0.78			1.26
Silver	2	8.3	mg/kg		ND<0.15		ND<0.16		ND<0.14		ND<0.14		ND<0.14	ND<0.11		ND<0.14		ND<0.12			ND<0.09
Sodium	NA	NA	mg/kg		101		102J		100		94.4		89.7J	86.9		89.2J		80.8			112
Thallium	NA	NA	mg/kg		ND<2.000		ND<2.120		NF<1.930		ND<1.860		ND<1.930	ND<1.490		ND<1.890		ND<1.570			ND<1.190
Vanadium	NA	NA	mg/kg		9.94		11.6		9.78		11.5		10.5	11.9		11.7		10.5			8.36
Zinc	109	2480	mg/kg		30.7		38.4		31.1		37.6		33.4	38.5		41.8		34.2			28.2
PCBs																					
Aroclor 1016	100	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Pesticides																					
Endosulfan Sulfate	2.4	200	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Semi-volatile Organic Compounds (SVOCs)																					
1,2,4-Trichlorobenzene	NA	NA	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Benzo(a)anthracene	1000	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
benzaldehyde	NA	NA	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Benzo(a)pyrene	1000	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Benzo(b)fluoranthene	1000	1700	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Chrysene	1000	1000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Dimethylphthalate	NA	NA	µg/kg		ND		ND		ND		ND		ND	ND		ND		64J			ND
Fluoranthene	100000	500000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Phenanthrene	100000	500000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Pyrene	100000	500000	µg/kg		ND		ND		ND		ND		ND	ND		ND		ND			ND
Volatile Organic Compunds (VOCs)																					
Acetone	50	50	µg/kg	ND		ND		ND		ND		ND			ND		ND		ND	ND	
Chloroform	370	370	µg/kg	ND		1.3J		ND		ND		ND			ND		ND		ND	ND	

Notes:

1. A = Indicates that the tentatively identified compound is a suspected aldol condensation product.
2. B = The reported value was obtained from a reading that was less than the Reporting Level but greater than or equal to the the Instrument detection Limit
3. J = The value is estimated. This flag is used when the compound is reported above the MDL, but below the PQL and for all identified Tentatively Identified Compounds (TIC)
4. * = Duplicate analysis not within control limits.
5. ND <280 = Not detected above the Reporting Level
6. Tentatively identified compounds (TICS) are not included in this table.

Bold text indicates an exceedance of the standard for Unrestricted Use Imported Fill.

[1] Only total chromium was reported. The total chromium exceeded the hexavalent chromium unrestricted use standard, but does not exceed the standard for trivalent chromium.

Table 1: Imported Soil Summary of Detected Analytes
Former Hudson River Psychiatric Site - Landfill Area 6 - June 2011

	Subpart 375-6 Unrestricted Use Fill	Subpart 375-6 Commercial Use Fill	Sample I.D.:	Vegetative Support Material															
				TS-1SG	TS-1S	TS-2SG	TS-2S	TS-3SG	TS-3S	TS-4SG	TS-4S	TS-5NG	TS-5N	TS-6NG	TS-6N	TS-7NG	TS-7N	TS-8NG	TS-8N
			Sampling Date:	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010
CONSTITUENT			UNITS																
Inorganics																			
Aluminum	NA	NA	mg/kg		16400		16100		15800		13700		15900		15200		15300		14100
Antimony	NA	NA	mg/kg		ND<2.000		ND<2.310		ND<2.520		ND<2.830		ND<2.670		ND<2.440		ND<2.910		ND<2.270
Arsenic	13	16	mg/kg		4.28		4.52		4.74		4.66		4.49		4.5		4.72		4.54
Barium	350	400	mg/kg		58.2		49.3		47.4		44.4		52		55.9		49.7		45.1
Beryllium	7.2	47	mg/kg		0.63		0.6		0.63		0.53		0.63		0.61		0.63		0.57
Cadmium	2.5	7.5	mg/kg		1.01		0.77		0.88		0.64		0.64		0.73		0.57		0.63
Calcium	NA	NA	mg/kg		1980		1170		140		8840		1540		1640		2390		3260
Chromium[1]	30/1[1]	1500/19[1]	mg/kg		18.4		17.8		17.5		15.8		17.8		16.9		17.5		16.1
Cobalt	NA	NA	mg/kg		11.1		9.83		9.75		9.67		9.79		9.77		10.4		9.11
Copper	50	270	mg/kg		14.7		15.3		15		18.4		16.7		16		15.8		15.5
Cyanide	27	27	mg/kg		ND<0.572		ND<0.568		ND<0.564		ND<0.567		ND<0.599		ND<0.595		ND<0.60		ND<0.587
Iron	NA	NA	mg/kg		26300		24800		29500		23600		23300		24000		25800		23100
Lead	63	450	mg/kg		18.6		19.7		19.4		18.9		18.4		18.2		19		16.9
Magnesium	NA	NA	mg/kg		7530		6860		6840		10300		6650		6810		7140		7230
Manganese	1600	2000	mg/kg		1010		825		801		863		835		893		896		813
Mercury	0.18	0.73	mg/kg		0.038		0.042		0.053		0.036		0.041		0.046		0.048		0.038
Nickel	30	130	mg/kg		24.9		22.4		23.7		20.1		20.3		21.2		21.3		20
Potassium	NA	NA	mg/kg		1020		898		932		961		893		795		832		734
Selenium	3.9	4	mg/kg		0.99		1.22		0.77J		1.030J		1.07		1.44		0.97J		0.66J
Silver	2	8.3	mg/kg		ND<0.12		ND<0.14		ND<0.15		ND<0.17		ND<0.16		ND<0.15		ND<0.17		ND<0.14
Sodium	NA	NA	mg/kg		74.6J		64.9J		67.0J		103J		91.0J		19.3J		88.0J		66.8J
Thallium	NA	NA	mg/kg		0.23J		ND<0.25		ND<2.020		ND<2.270		ND<2.140		ND<0.26		ND<2.330		ND<1.820
Vanadium	NA	NA	mg/kg		28.7		27.6		27.2		25.1		28.6		26.5		28.2		25.2
Zinc	109	2480	mg/kg		59.5		55.1		55.8		49		52.2		52.7		53.4		48.5
PCBs																			
Aroclor 1016	100	1000	µg/kg		ND		ND		ND		ND		ND		ND		ND		ND
Pesticides																			
Endosulfan Sulfate	2.4	200	µg/kg		ND		ND		2.2		ND		1.2J		ND		ND		ND
Semi-volatile Organic Compounds (SVOCs)																			
1,2,4-Trichlorobenzene	NA	NA	µg/kg		ND		ND		ND		ND		ND		ND		ND		ND
Benzo(a)anthracene	1000	1000	µg/kg		94J		ND		ND		ND		ND		ND		ND		ND
benzaldehyde	NA	NA	µg/kg		ND		ND		ND		290J		ND		ND		ND		ND
Benzo(a)pyrene	1000	1000	µg/kg		74J		ND		ND		ND		ND		ND		ND		ND
Benzo(b)fluoranthene	1000	1700	µg/kg		96J		ND		ND		ND		ND		ND		ND		ND
Chrysene	1000	1000	µg/kg		110J		ND		ND		ND		ND		ND		ND		ND
Dimethylphthalate	NA	NA	µg/kg		ND		110J		ND		ND		ND		ND		ND		100J
Fluoranthene	100000	500000	µg/kg		280J		ND		ND		ND		ND		ND		ND		ND
Phenanthrene	100000	500000	µg/kg		350J		ND		ND		ND		ND		ND		ND		ND
Pyrene	100000	500000	µg/kg		210J		ND		ND		ND		ND		ND		ND		ND
Volatile Organic Compunds (VOCs)																			
Acetone	50	50	µg/kg	ND		ND		ND		ND		ND		ND		ND		ND	
Chloroform	370	370	µg/kg	1.4J		ND		ND		ND		ND		ND		ND		ND	

Notes:

1. A = Indicates that the tentatively identified compound is a suspected aldol condensation product.
2. B = The reported value was obtained from a reading that was less than the Reporting Level but greater than or equal to the the Instrument detection Limit
3. J = The value is estimated. This flag is used when the compound is reported above the MDL, but below the PQL and for all identified Tentatively Identified Compounds (TIC)
4. * = Duplicate analysis not within control limits.
5. ND <280 = Not detected above the Reporting Level
6. Tentatively identified compounds (TICS) are not included in this table.

Bold text indicates an exceedance of the standard for Unrestricted Use Imported Fill.

[1] Only total chromium was reported. The total chromium exceeded the hexavalent chromium unrestricted use standard, but does not exceed the standard for trivalent chromium.

Table 2: Documentation Samples Summary of Detected Analytes
Former Hudson River Psychiatric Site - Landfill Area 6
November 2010

Sample Location:		B-1	B-1 (Duplicate)	S-1	Subpart 375-6 Unrestricted Criteria	Subpart 375-6 Restricted Residential Criteria	Subpart 375-6 Commercial Criteria
Sample I.D.:		788101015-01	788101015-02	788101015-03			
Sampling Date:		10/15/2010	10/15/2010	10/15/2010			
Depth:		0-6"	0-6"	0-6"			
CONSTITUENT	UNITS						
Metals							
Aluminum	mg/kg	13900 N*	15700 N*	14200 N*	NA	NA	NA
Antimony	mg/kg	1.9	2.0	3.6	NA	NA	NA
Arsenic	mg/kg	10.0	**13.1**	***61.3***	13	16	16
Barium	mg/kg	54.3*	54.3*	51.3*	350	400	400
Beryllium	mg/kg	0.55	0.65	0.55	7.2	72	590
Boron	mg/kg	4.5	6.6	6.2	NA	NA	NA
Cadmium	mg/kg	0.282B	0.317 B	0.49	2.5	4.3	9.3
Calcium	mg/kg	12500N*	12400 N*	1830 N*	NA	NA	NA
Chromium	mg/kg	15.9	21.5	18.3	30	180	1500
Chromium (Hexavalent)	mg/kg	<0.54	<0.53	<0.54	1	110	400
Cobalt	mg/kg	14.5	17.8	10.1	NA	NA	NA
Copper	mg/kg	44.0	**58.6**	47.7	50	270	270
Iron	mg/kg	31800*	39700*	34300*	NA	NA	NA
Lead	mg/kg	22.9*	28.4*	41.6*	63	400	1,000
Magnesium	mg/kg	10600N*	11300 N*	5940 N*	NA	NA	NA
Manganese	mg/kg	1230*	1470*	616*	1,600	2,000	10,000
Mercury	mg/kg	<0.08	<0.10	0.09	0.18	0.81	2.8
Nickel	mg/kg	25.1	28.2	26.7	30	310	310
Potassium	mg/kg	1260*	1350*	41.6*	NA	NA	NA
Selenium	mg/kg	<0.70	<0.80	<0.8	3.9	180	1,500
Silver	mg/kg	<0.37	<0.41	<0.40	2	180	1,500
Sodium	mg/kg	51.3	57.2	62.6	NA	NA	NA
Thallium	mg/kg	2.5	2.9	1.12	NA	NA	NA
Vanadium	mg/kg	19.2*	24.9*	22.5*	NA	NA	NA
Zinc	mg/kg	77.8*	90.1*	100*	109	10,000	10,000
PCBs							
No constiuents detected above detection limits.							
Pesticides							
No constiuents detected above detection limits.							
Semi-volatile Organic Compounds							
Benz(a)anthracene	µg/kg	ND <280	ND <290	340	1000	1000	5600
Benzo(a)pyrene	µg/kg	ND <280	ND <290	290	1000	1000	1000
Benzo(b)fluoranthene	µg/kg	ND <280	ND <290	560	1000	1000	5600
Benzo(ghi)perylene	µg/kg	ND <280	ND <290	260 J	100000	100000	500000
Bis(2-ethylhexyl)phthalate	µg/kg	ND <280	ND <290	300	NA	NA	NA
Chrysene	µg/kg	ND <280	ND <290	440	1000	3900	56000
Fluoranthene	µg/kg	ND <280	ND <290	790	100,000	100000	500000
Indeno(1,2,3-cd)pyrene	µg/kg	ND <280	ND <290	240 J	500	500	5600
Phenanthrene	µg/kg	ND <280	ND <290	340	100,000	100000	500000
Pyrene	µg/kg	ND <280	ND <290	620	100,000	100000	500000
Volatile Organic Compunds							
No constiuents detected above detection limits.							

Notes:

B = The reported value was obtained from a reading that was less than the Reporting Level but greater than or equal to the Instrument Detection Limit

N = Spiked sample recovery not within control limits.

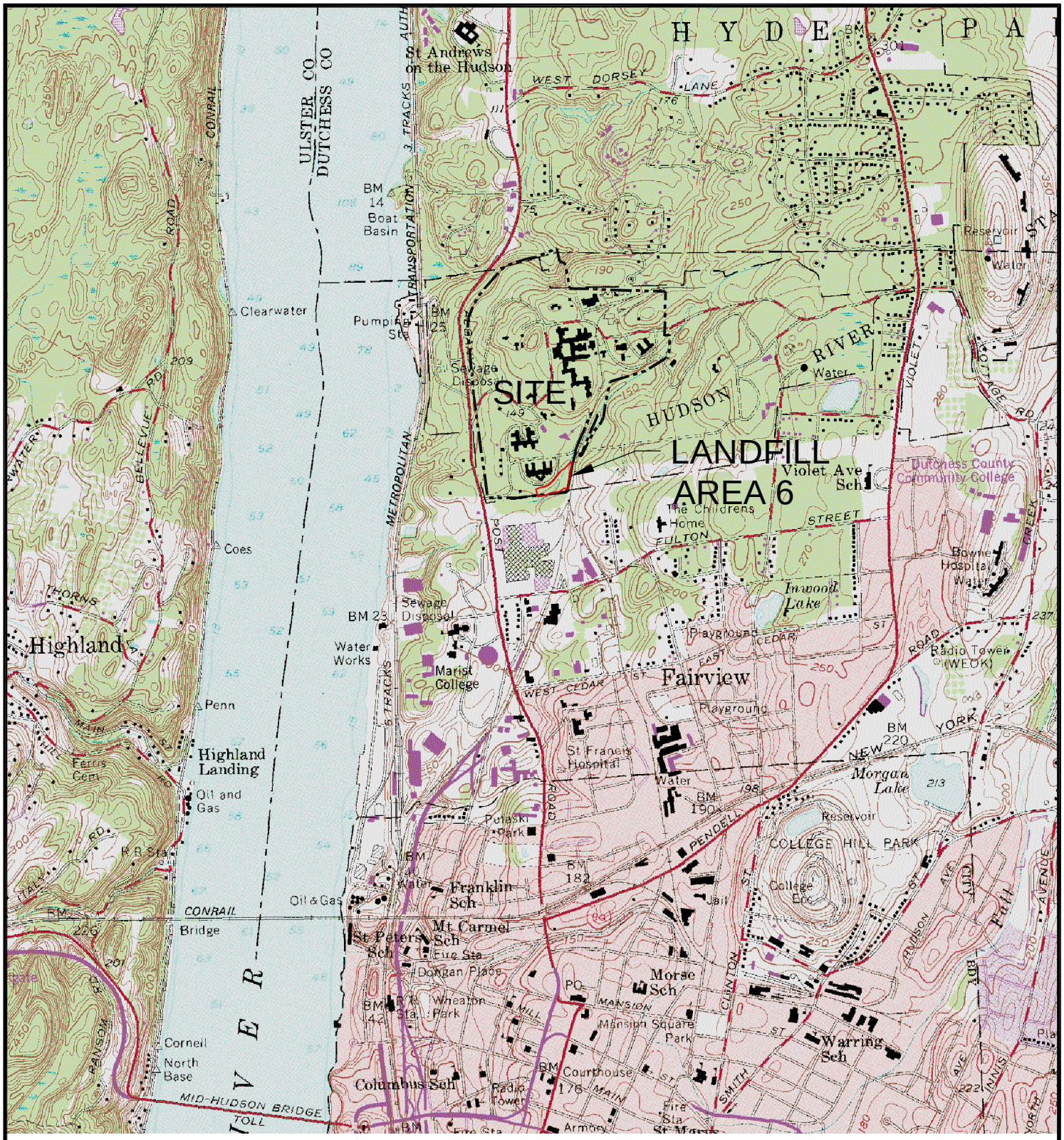
* = Duplicate analysis not within control limits.

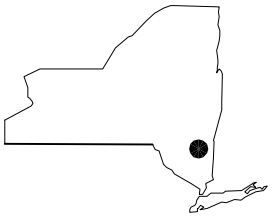
J = The value is estimated. This flag is used when the compound is reported above the MDL, but below the PQL.

ND <280 = Not detected above the Reporting Level

15	Bold & highlighted text indicates an exceedance of the Unrestricted Use Criteria
60	Bold, italic, and highlighted text indicates an exceedance of the Commercial Use Criteria

Figures





MAP REFERENCE

THIS MAP WAS PREPARED FROM THE FOLLOWING 7.5 MINUTE USGS MAPS:
POUGHKEEPSIE QUADRANGLE (1957, PHOTOREVISED 1982)

SCALE:	
HORZ.:	1" = 1000'
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
0 500 1000	
GRAPHIC SCALE	

WWW.FandO.COM

FUSS & O'NEILL
Disciplines to Deliver

80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

HUDSON HERITAGE DEVELOPMENT, LLC
LOCATION MAP

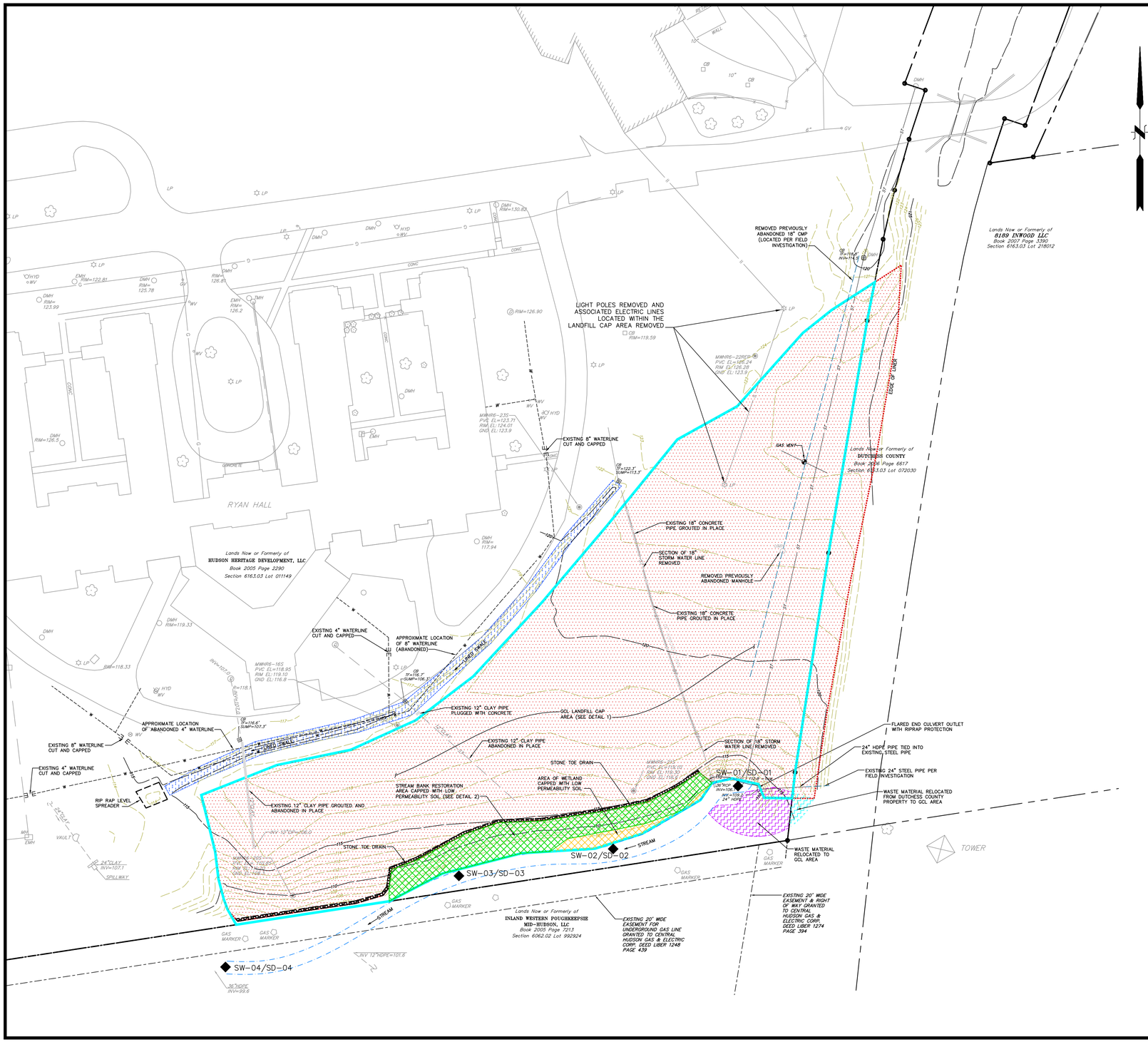
FORMER HUDSON RIVER PSYCHIATRIC CENTER

TOWN OF POUGHKEEPSIE NEW YORK

PROJ. No.: 20080291.L4N
DATE: DECEMBER 2010

FIG. 1

UCS:WORLD | MS VIEW:1:1000 | LMAN:FIG 1 | CTB:FO 2008 MONO (HALF) | File Path: O:\DWG\P20080291\L3N\Civil\Plan\20080291L3N_LOC01.dwg, Layout: Fig 1 FER Fri, Jan 21, 2011 - 6:35 PM User: gtoothill



MAP REFERENCES:

1. ELECTRONIC BASE MAP OF OVERALL PROPERTY OF HUDSON HERITAGE DEVELOPMENT, LLC PREPARED BY THE CHAZEN COMPANIES.
2. THIS DRAWING WAS COMPILED IN PART FROM RAW ENTITIES ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY OF THE LANDS OF HUDSON HERITAGE DEVELOPMENT, LLC" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED JANUARY 19, 2009.
3. THIS DRAWING WAS COMPILED IN PART FROM RAW ENTITIES ENTITLED "AS-BUILT SURVEY OF HUDSON HERITAGE LANDFILL AREA 6" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED APRIL 14, 2009.
4. THIS DRAWING WAS COMPILED IN PART FROM A DRAWING ENTITLED "AS-BUILT SURVEY OF HUDSON RIVER PSYCHIATRIC CENTER AREA 6 LANDFILL" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED DECEMBER 2, 2010.
5. THIS DRAWING WAS COMPILED IN PART FROM A DRAWING ENTITLED "DEED RESTRICTION AREA HUDSON RIVER PSYCHIATRIC CENTER AREA 6 LANDFILL" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED DECEMBER 2, 2010.

REFERENCE MAPS:

4. NON-FILED MAP ENTITLED "DORMITORY AUTHORITY OF THE STATE OF NEW YORK, NEW YORK STATE OFFICE OF MENTAL HEALTH, HUDSON RIVER PSYCHIATRIC CENTER, TOWNS OF POUGHKEEPSIE & HYDE PARK, DUTCHESS COUNTY, NEW YORK, BOUNDARY MAP" SHEETS 1 AND 2 PREPARED BY HAWK ENGINEERING , P.C. AND DATED NOVEMBER 20, 1996.
5. NON-FILED MAP ENTITLED "BOUNDARY MAP, HUDSON RIVER STATE HOSPITAL, DEPARTMENT OF MENTAL HYGIENE" PREPARED BY M.N. SINACORI, DIST. ENGINEER, DIST. 8 AND DATED JULY 17, 1964.
6. NON-FILED MAP ENTITLED "MAP OF SURVEY OF LANDS TO BE ACQUIRED BY HUDSON HERITAGE, LLC," DATED MAY 7 2003, PREPARED BE THE CHAZEN COMPANIES.
7. STREAM LOCATION, WETLANDS, TEST PITS AND LIMIT OF LANDFILL SHOWN HEREON FROM A MAP ENTITLED "TOPOGRAPHIC SURVEY-LANDFILL AREA NO. 6, HUDSON RIVER PSYCHIATRIC CENTER", DATED AUGUST 2000, BY PAGGI, MARTIN AND DEL BENE.
8. MAP ENTITLED "MID-HUDSON CENTER, 3 LOT SUBDIVISION" PREPARED BY CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND FILED WITH THE DUTCHESS COUNTY CLERK'S OFFICE ON AUGUST 26, 1998 AS FILED MAP No.10650.
9. "SUBDIVISION PLAN & SURVEY MAP OF THE LANDS OF MICHAEL J. SUYDAM, ANN SUYDAM, SHELDON STEIN & DONNA STEIN" PREPARED BY RAYMOND KIHLMIRE, DATED OCTOBER 2, 1987 AND FILED IN THE DUTCHESS COUNTY CLERKS OFFICE AS MAP 8668.
10. "CHERRY LANE ESTATES-4 LOT SUBDIVISION PLAT" PREPARED BY LINK LAND SURVEYORS P.C., DATED APRIL 8, 2002 AND FILED IN THE DUTCHESS COUNTY CLERKS OFFICE AS MAP 11531.
11. "SUBDIVISION PLAT PREPARED FOR WINDSOR COURT" PREPARED BY PAGGI & MARTIN ENGINEERING, DATED NOVEMBER 1987 AND FILED IN THE DUTCHESS COUNTY CLERKS OFFICE AS MAP 8301.
12. "STATE HOSPITAL S.H. NO. 9003" MAP NO. 70-T, PARCEL NOS. 75, 78 & 79 SHEET 1-5 OF 5, PREPARED BY THE NEW YORK STATE DEPARTMENT OF PUBLIC WORKS, ON FILE AT DISTRICT OFFICE NO. 8, POUGHKEEPSIE, N.Y.

PLAN REFERENCE NOTE:
LAYOUT AND INFORMATION TAKEN FROM THE PLANS ENTITLED "AREA 6 LANDFILL CLOSURE AT THE HUDSON RIVER PSYCHIATRIC CENTER" PREPARED BY THE CHAZEN COMPANIES LAST REVISED SEPTEMBER 30, 2004.

LEGEND

- DEED RESTRICTION AREA
- STORMWATER LINE
- WATER LINE
- CONTOUR LINE – 1' INTERVAL
- CONTOUR LINE – 10' INTERVAL
- GROUTED FORMER STORMWATER LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- STREAM BOUNDARY
- CATCH BASIN
- MONITORING WELL
- LANDFILL GAS VENT
- SW-04/SD-04 SURFACE WATER/SEDIMENT SAMPLE LOCATION
- LINED SWALE (IRM)
- GEOSYTHETIC CLAY LINER (GCL) LANDFILL CAP AREA (RAWP)
- LOW PERMEABILITY SOIL CAP (IRM)
- RELOCATED SOIL TO GCL AREA AND LOW PERMEABILITY SOIL CAP (RAWP)
- WASTE MATERIAL RELOCATED TO GCL AREA (IRM)
- WASTE MATERIAL RELOCATED FROM DUTCHESS COUNTY PROPERTY TO GCL AREA (RAWP)
- STONE TOE DRAIN

No.	DATE	DESCRIPTION	BY
1.			

REVISIONS

PROJ. MANAGER:	JEL
CHIEF DESIGNER:	GAT
REVIEWED BY:	DATE
CL	

SEAL

SEAL

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SCALE:
HORZ.: 1"=40'
VERT.:
DATUM:
HORZ.:
VERT.:
40 20 0 40
GRAPHIC SCALE

WWW.FandO.COM
FUSS & O'NEILL
Disciplines to Deliver
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

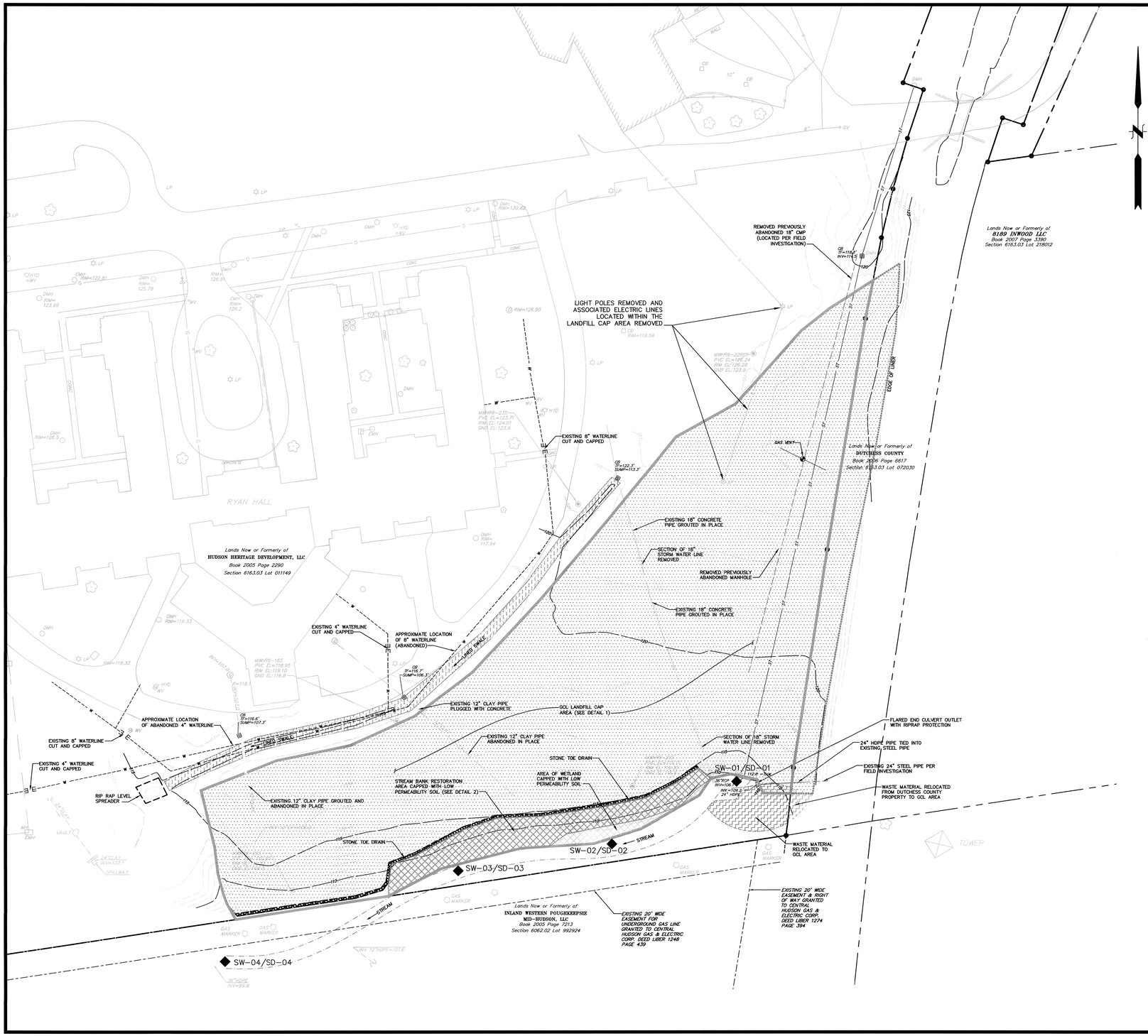
HUDSON HERITAGE DEVELOPMENT, LLC
IRM & RAWP AS-BUILT PLAN
FORMER HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE DUTCHESS COUNTY, NEW YORK

PROJ. No.: 20080291.L3N
DATE: JUNE 2011

FIGURE 2

File Path: O:\DWG\P\2008\0291\L3N\Civil\Plan\20080291L3N_STP02.dwg, Layout: FIGURE 2 Mon, Jul 11, 2011 - 2:54 PM User: gtoothill
CTB: F&O 2008 MONO
LMAN: C-111 EXIST
MS VIEW: 1:40
UCS: WORLD

File Path: O:\DWG\P2008\0291\L3N\Civil\Plan\20080291L3N_STP02.dwg, Layout: FIGURE 2 Mon, Jul 11, 2011 - 2:54 PM User: gtoothill
CTB: F&O 2008 MONO
LMAN: C-111 EXIST
MS VIEW: 1:40
UCS: WORLD



MAP REFERENCES:

1. ELECTRONIC BASE MAP OF OVERALL PROPERTY OF HUDSON HERITAGE DEVELOPMENT, LLC PREPARED BY THE CHAZEN COMPANIES.
2. THIS DRAWING WAS COMPILED IN PART FROM RAW ENTITIES ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY OF THE LANDS OF HUDSON HERITAGE DEVELOPMENT, LLC" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED JANUARY 19, 2009.
3. THIS DRAWING WAS COMPILED IN PART FROM RAW ENTITIES ENTITLED "AS-BUILT SURVEY OF HUDSON HERITAGE LANDFILL AREA 6" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED APRIL 14, 2009.
4. THIS DRAWING WAS COMPILED IN PART FROM A DRAWING ENTITLED "AS-BUILT SURVEY OF HUDSON RIVER PSYCHIATRIC CENTER AREA 6 LANDFILL" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED DECEMBER 2, 2010.
5. THIS DRAWING WAS COMPILED IN PART FROM A DRAWING ENTITLED "DEED RESTRICTION AREA HUDSON RIVER PSYCHIATRIC CENTER AREA 6 LANDFILL" PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS, LLP DATED DECEMBER 2, 2010.

REFERENCE MAPS:

4. NON-FILED MAP ENTITLED "DORMITORY AUTHORITY OF THE STATE OF NEW YORK, NEW YORK STATE OFFICE OF MENTAL HEALTH, HUDSON RIVER PSYCHIATRIC CENTER, TOWNS OF POUGHKEEPSIE & HYDE PARK, DUTCHESS COUNTY, NEW YORK, BOUNDARY MAP" SHEETS 1 AND 2 PREPARED BY HAWK ENGINEERING , P.C. AND DATED NOVEMBER 20, 1996.
5. NON-FILED MAP ENTITLED "BOUNDARY MAP, HUDSON RIVER STATE HOSPITAL, DEPARTMENT OF MENTAL HYGIENE" PREPARED BY M.N. SINACORI, DIST. ENGINEER, DIST. 8 AND DATED JULY 17, 1964.
6. NON-FILED MAP ENTITLED "MAP OF SURVEY OF LANDS TO BE ACQUIRED BY HUDSON HERITAGE, LLC," DATED MAY 7 2003, PREPARED BE THE CHAZEN COMPANIES.
7. STREAM LOCATION, WETLANDS, TEST PITS AND LIMIT OF LANDFILL SHOWN HEREON FROM A MAP ENTITLED "TOPOGRAPHIC SURVEY-LANDFILL AREA NO. 6, HUDSON RIVER PSYCHIATRIC CENTER", DATED AUGUST 2000, BY PAGGI, MARTIN AND DEL BENE.
8. MAP ENTITLED "MID-HUDSON CENTER, 3 LOT SUBDIVISION" PREPARED BY CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND FILED WITH THE DUTCHESS COUNTY CLERK'S OFFICE ON AUGUST 26, 1998 AS FILED MAP No.10650.
9. "SUBDIVISION PLAN & SURVEY MAP OF THE LANDS OF MICHAEL J. SUYDAM, ANN SUYDAM, SHELDON STEIN & DONNA STEIN" PREPARED BY RAYMOND KIHLMIRE, DATED OCTOBER 2, 1987 AND FILED IN THE DUTCHESS COUNTY CLERKS OFFICE AS MAP 8668.
10. "CHERRY LANE ESTATES-4 LOT SUBDIVISION PLAT" PREPARED BY LINK LAND SURVEYORS P.C., DATED APRIL 8, 2002 AND FILED IN THE DUTCHESS COUNTY CLERKS OFFICE AS MAP 11531.
11. "SUBDIVISION PLAT PREPARED FOR WINDSOR COURT" PREPARED BY PAGGI & MARTIN ENGINEERING, DATED NOVEMBER 1987 AND FILED IN THE DUTCHESS COUNTY CLERKS OFFICE AS MAP 8301.
12. "STATE HOSPITAL S.H. NO. 9003" MAP NO. 70-T, PARCEL NOS. 75, 78 & 79 SHEET 1-5 OF 5, PREPARED BY THE NEW YORK STATE DEPARTMENT OF PUBLIC WORKS, ON FILE AT DISTRICT OFFICE NO. 8, POUGHKEEPSIE, N.Y.

PLAN REFERENCE NOTE:

LAYOUT AND INFORMATION TAKEN FROM THE PLANS ENTITLED "AREA 6 LANDFILL CLOSURE AT THE HUDSON RIVER PSYCHIATRIC CENTER" PREPARED BY THE CHAZEN COMPANIES LAST REVISED SEPTEMBER 30, 2004.

LEGEND

- DEED RESTRICTION AREA
- STORMWATER LINE
- WATER LINE
- CONTOUR LINE – 1' INTERVAL
- CONTOUR LINE – 10' INTERVAL
- GROUTED FORMER STORMWATER LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- STREAM BOUNDARY
- CATCH BASIN
- MONITORING WELL
- LANDFILL GAS VENT
- SW-04/SD-04 SURFACE WATER/SEDIMENT SAMPLE LOCATION
- LINED SWALE (IRM)
- GEOSYTHETIC CLAY LINER (GCL) LANDFILL CAP AREA (RAWP)
- LOW PERMEABILITY SOIL CAP (IRM)
- RELOCATED SOIL TO GCL AREA AND LOW PERMEABILITY SOIL CAP (RAWP)
- WASTE MATERIAL RELOCATED TO GCL AREA (IRM)
- WASTE MATERIAL RELOCATED FROM DUTCHESS COUNTY PROPERTY TO GCL AREA (RAWP)
- STONE TOE DRAIN

No.	DATE	DESCRIPTION	BY
1.			

REVISIONS

PROJ. MANAGER:	JEL
CHIEF DESIGNER:	GAT
REVIEWED BY:	DATE
CL	

SEAL

STATE OF NEW YORK · CHRIS T. LAPOINT · 075785 · LICENSED PROFESSIONAL ENGINEER

SEAL

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

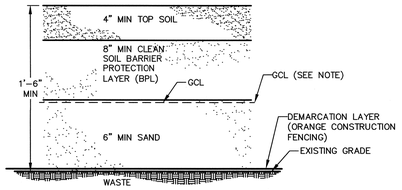
SCALE:
HORZ.: 1"=40'
VERT.:
DATUM:
HORZ.:
VERT.:
40 20 0 40
GRAPHIC SCALE

WWW.FandO.COM
FUSS & O'NEILL
Disciplines to Deliver
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

HUDSON HERITAGE DEVELOPMENT, LLC
IRM & RAWP AS-BUILT PLAN
FORMER HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE DUTCHESS COUNTY, NEW YORK

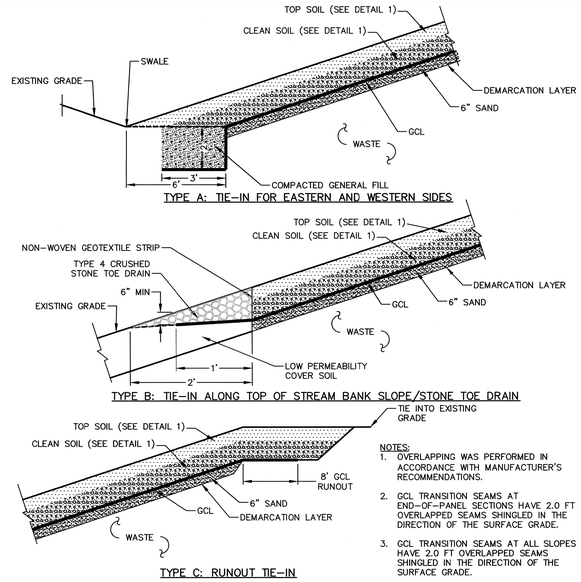
PROJ. No.: 20080291.L3N
DATE: JUNE 2011

FIGURE 2



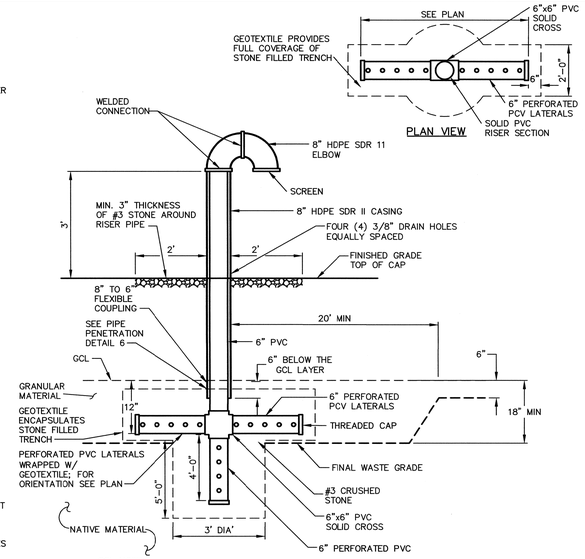
GCL NOTES:
1. CETCO BENTOMAT DN USED ON ALL SLOPES EQUAL OR STEEPER THAN 3:1
2. CETCO BENTOMAT ST USED ON ALL OTHER SLOPES

1 LANDFILL CAP SECTION
NOT TO SCALE



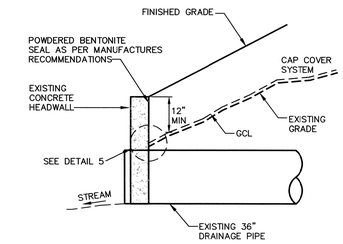
NOTES:
1. OVERLAPPING WAS PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. GCL TRANSITION SEAMS AT END-OF-PANEL SECTIONS HAVE 2.0 FT OVERLAPPED SEAMS SHINGLED IN THE DIRECTION OF THE SURFACE GRADE.
3. GCL TRANSITION SEAMS AT ALL SLOPES HAVE 2.0 FT OVERLAPPED SEAMS SHINGLED IN THE DIRECTION OF THE SURFACE GRADE.

2 COVER TIE-IN
NOT TO SCALE

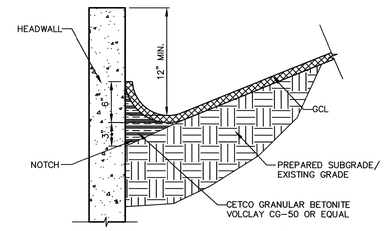


GCL NOTE:
1. SEE CAP SECTIONS FOR DETAILED EARTH LAYERING INFORMATION FOR REMAINDER OF CAP.
2. THE ABOVE CAP SECTION IS SPECIFIC TO THE LOCATION WHERE THE GAS VENT RISER PENETRATES THE LINER. SAND LAYER ABOVE THE WASTE GRADE TRANSITIONS FROM 6 IN. OF THICKNESS TO A 18" MINIMUM THICKNESS FOR THE EXTENTS OF THE THE LATERAL VENT PIPE.

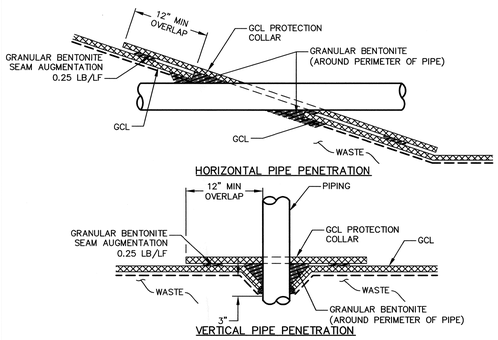
3 GAS VENT RISER
NOT TO SCALE



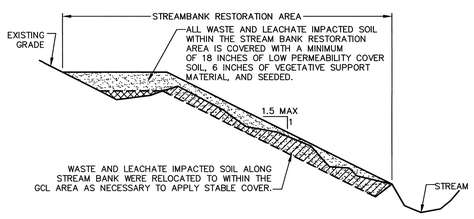
4 HEADWALL TIE-IN
NOT TO SCALE



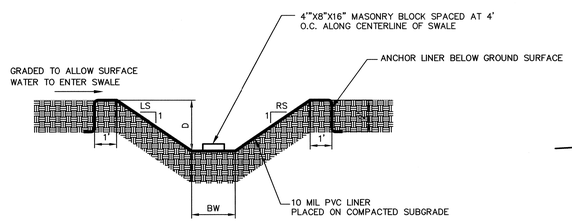
5 GCL SEAL AT HEADWALL STRUCTURE
NOT TO SCALE



6 PIPE PENETRATION AND GCL TIE-IN
NOT TO SCALE

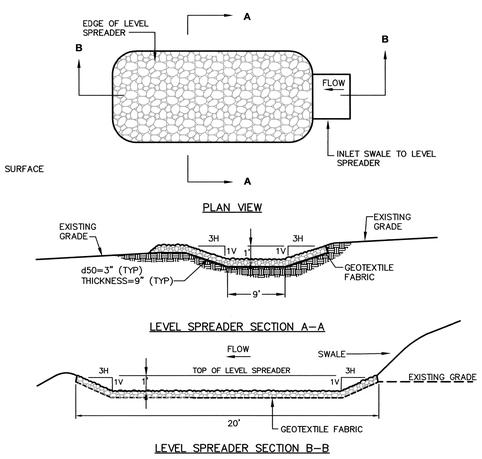


7 STREAM BANK RESTORATION
NOT TO SCALE

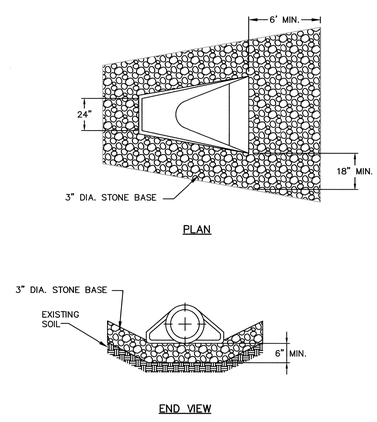


SWALE	D (FT)	LS (FT)	RS (FT)	BW (FT)
A	1.5'(MIN)	2	2	3
B	1.5'(MIN)	2	2	2

8 LINED CHANNEL DETAIL
NOT TO SCALE



9 LEVEL SPREADER DETAIL
NOT TO SCALE



10 24" HDPE FLARED END SECTION
NOT TO SCALE

No.	DATE	DESCRIPTION	BY
1.			

REVISIONS

PROJ. MANAGER:	JEL
CHIEF DESIGNER:	GAT
REVIEWED BY:	DATE
CL	

SEAL

SEAL

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SCALE:
HORZ.: AS SHOWN
VERT.:
DATUM:
HORZ.:
VERT.:
40 20 0 40
GRAPHIC SCALE

WWW.FandO.COM
FUSS & O'NEILL
Disciplines to Deliver
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

HUDSON HERITAGE DEVELOPMENT, LLC
IRM & RAWP AS-BUILT DETAILS
FORMER HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE DUTCHESS COUNTY, NEW YORK

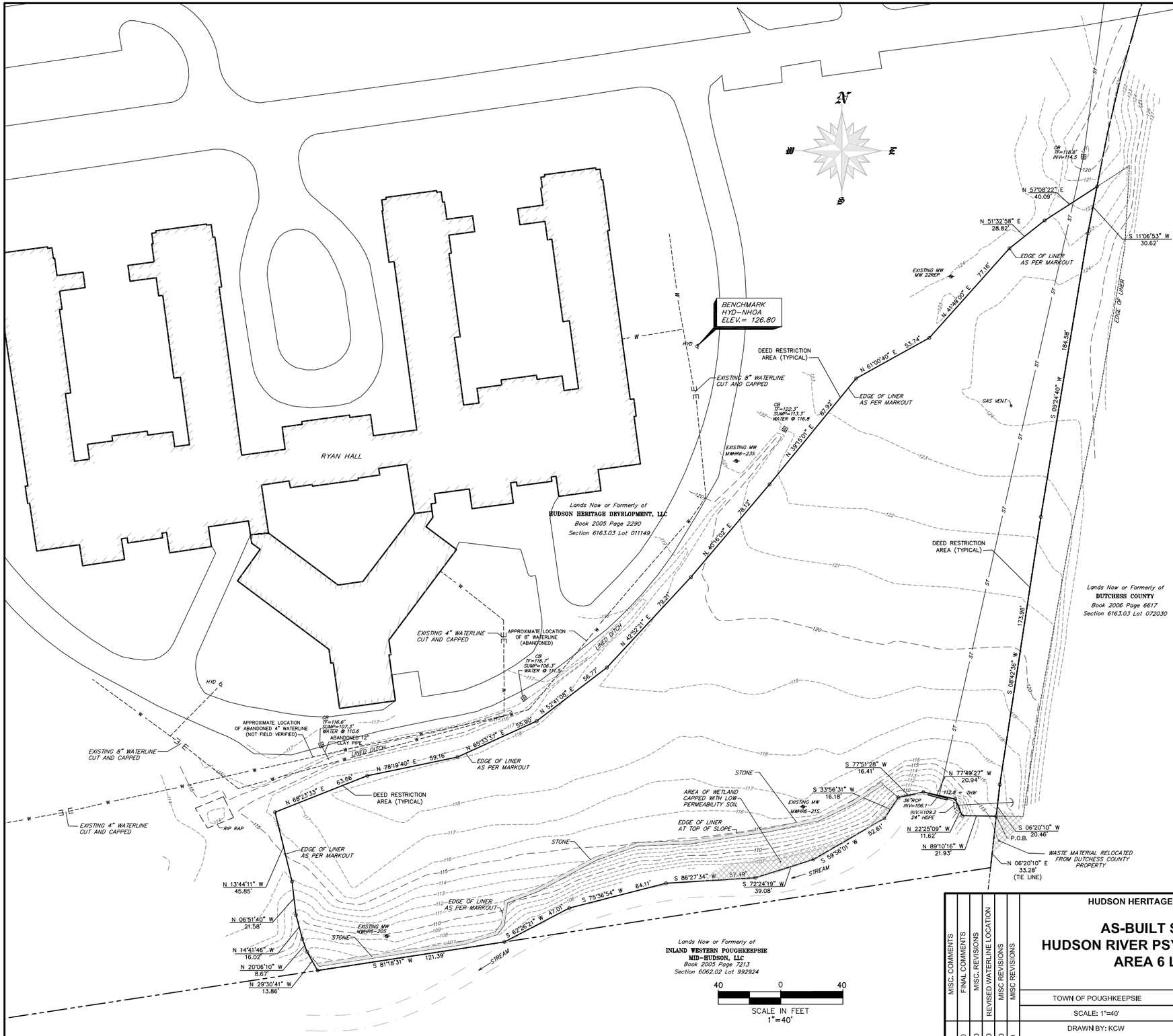
PROJ. No.: 20080291.L3N
DATE: JUNE 2011

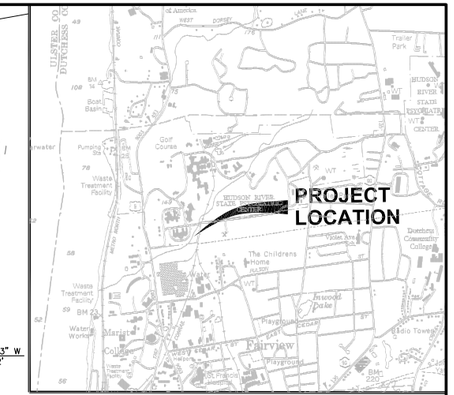
FIGURE 3

File Path: O:\DWG\P20080291\L3N\Civil\Plan\20080291L3N_STP02.dwg, Layout: FIGURE 3 Mon, Jul 11, 2011 - 2:55 PM User: gtoothill
CTB: F&O 2008 MONO
LMAN: N/A
MS VIEW: N/A
UCS: N/A

Appendix A

As-Built Survey and Metes & Bounds





SITE LOCATION PLAN: 1"=2000'

DEED REFERENCES:

1.NEW YORK STATE URBAN DEVELOPMENT CORPORATION (D/B/A EMPIRE STATE DEVELOPMENT CORPORATION) TO HUDSON HERITAGE DEVELOPMENT, LLC, DATED MARCH 15, 2005 AND RECORDED IN THE DUTCHESS COUNTY CLERKS OFFICE AS DOCUMENT NO. 02 2005 2290.

MAP REFERENCES:

1. MAP OF SURVEY OF LANDS TO BE ACQUIRED BY HUDSON HERITAGE, LLC, PREPARED BY THE CHAZEN COMPANIES DATED MAY 7, 2003 BEING PROJECT NO. 59973.01

GENERAL NOTES:

DATUM IS BASED UPON NAVD88.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES .

SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

NO ATTEMPT WAS MADE TO VERIFY ANY UTILITIES OTHER THAN THOSE SHOWN FROM SURVEYED INFORMATION. BASE MAP (MAP REFERENCE NO. 1) AS SHOWN IS FOR REFERENCE ONLY.

PROPERTY LINE AS SHOWN BASED UPON MAP REFERENCE NO. 1

SITE ID NO. V00657

7-09-10	MISC. COMMENTS
12-02-10	FINAL COMMENTS
11-02-10	MISC. REVISIONS
10-19-10	REVISED WATERLINE LOCATION
10-14-10	MISC REVISIONS
10-6-10	MISC REVISIONS

HUDSON HERITAGE DEVELOPMENT, LLC

AS-BUILT SURVEY OF HUDSON RIVER PSYCHIATRIC CENTER AREA 6 LANDFILL

TOWN OF POUGHKEEPSIE	DUTCHESS COUNTY,N.Y.
SCALE: 1"=40'	SEPTEMBER 29, 2010
DRAWN BY: KCW	PROJECT NO: 08-214

AUSFELD & WALDRUFF LAND SURVEYORS LLP
514 STATE STREET, SCHENECTADY N.Y. 12305
PHONE : (518) 346-1595 FAX:(518)770-1655

VINCENT P. AUSFELD P.L.S.
LICENSE #049597
www.awlsllp.com

STATE OF NEW YORK · VINCENT P. AUSFELD · 049597 · LICENSED PROFESSIONAL SURVEYOR

Drawing Name: Z:\PROJECTS\2008\08-214\DWG\LF-6 FINAL AS-BUILT.dwg
Xref's Attached:
Date Printed: Jul 09, 2011, 2:46pm

Appendix B

Digital Copy of the FER (CD)

Appendix C

IRM Report

Monthly Status Report #5
Reporting Period: April 1, 2009 - April 30, 2009
Hudson Heritage LA6 - IRM Implementation

This monthly project status report has been prepared pursuant to the Interim Remedial Measure (IRM) Work Plan Addendum dated July 2008 for the former Hudson River Psychiatric Center (HRPC) Landfill Area 6 (LA6) remediation project. The purpose of this report is to summarize all actions taken relative to the site during the reporting period, those anticipated for the next reporting period and any significant interactions with the public. This fifth report covers construction work performed at the LA6 site during the month of April 2009, as well as a summary of all work completed to date.

A. The following activities occurred during the referenced reporting period:

Abandon Piezometer :

- Piezometer PZ-2 was grouted and abandoned in place.

Other:

- A substantial completion inspection of the IRM work was performed on April 6, 2009. The work was found to have been completed in substantial conformance with the contract documents, with the exception of several minor punch list items. These items included the repair of stone rip rap around DMH-2, the abandonment of Piezometer PZ-2, submittal of final laboratory test results, and submittal of a marked-up set of contract drawings indicating grout access locations along the 18 inch diameter concrete drain pipe that was abandoned in place.
- Contractor worked on the punch list items for the IRM project
- Work occurred on-site one day during the reporting period.
- As-built survey of IRM work was prepared.
- Additional information regarding the abandonment of the 12 inch diameter clay pipe extending from Ryan Hall was verbally conveyed to NYSDEC staff in response to the Department's letter dated April 21, 2009.
- Professional services were initiated on an addendum to the Remedial Action Work Plan (RAWP) proposing minor modifications to the final remedy previously approved by the NYSDEC.

B. The following activities have occurred since the beginning of the IRM Implementation:

Project Initiation

- A pre-construction kick-off meeting was held at the site on November 20, 2008 for the purposes of establishing lines of communication between the involved parties, reviewing the critical work elements of the project, reviewing the requirements of the project Stormwater Pollution Prevention Plan (SWPPP) and the site Health and Safety Plan (HASP), and reviewing the proposed construction schedule. The meeting was attended by representatives of the Volunteer (Hudson Heritage

Development, LLC), the contractor (Scavo Contracting Corp.), and the Engineer (Fuss & O'Neill).

- A field survey was performed marking out the proposed locations for the storm water drainage swale and manholes, limits of clearing, limits of waste excavation, and other critical project elements.

Erosion and Sedimentation Control:

- Temporary silt fence was installed down gradient of the proposed work areas.
- Portions of the silt fence were repaired following the tree clearing operations.

Clearing:

- Existing trees and vegetation were cleared to the limits outlined in the plans.

Abandonment and Replacement of Stormwater Sewers:

- Construction was completed of the stone level spreader for the stormwater drainage swale.
- Excavation of the proposed drainage swale was completed.
- Two stormwater manholes were installed according to the plans and the stormwater lines were connected to the manholes.
- A 10 mil PVC liner was installed in the drainage swale. The liner was anchored in soil at its edges and with concrete blocks placed approximately four feet on center at the base of the swale.
- The 18-inch diameter concrete culvert located in the center of the site was abandoned in place. Sections of concrete pipe were removed at the up gradient and down gradient ends of the pipe in order to provide access for injection of concrete grout. Openings were also made at approximately 70 feet intervals along the length of the18-inch diameter pipe to allow for injection of concrete into the pipe along its entire length.
- Down gradient sections of the 12-inch diameter clay pipe extending from Ryan Hall were unable to be located to allow similar grouting the full length of the pipe. Excavation at the up gradient end revealed the pipe to be plugged with soil; a section of pipe up gradient of the proposed drainage manhole had to be removed and reamed out in order to allow the flow of water from Ryan Hall into the new manhole. Water was backed up in the down gradient section of the pipe and did not flow toward the landfill. The field conditions found suggested the existing pipe was collapsed underneath the landfill and plugged with soil. Approximately two cubic yards of concrete was placed into and over the opening of the 12-inch clay pipe to seal off the pipe up gradient of the landfill. Given the apparent collapsed and plugged condition of the pipe, and the placement of the concrete at the up gradient section it was concluded that the clay pipe no longer represents a continuing significant source of storm water infiltration into the landfill.

Stream Bank Restoration:

- The Stream Bank Restoration Area was re-graded to a slope of 1.5:1 or less.
- Approximately 80 cubic yards of excess soil removed from the Stream Bank Restoration Area during the regrading was temporarily stockpiled adjacent to the re-graded slope for subsequent relocation to the Cover Soil Placement Area.
- Excess soil that was removed from the Stream Bank Restoration Area and temporarily stockpiled adjacent to the re-graded slope was relocated to the Cover Soil Placement Area and covered with low permeability soil and topsoil, and seeded.

Excavation and Relocation of Waste:

- Excavation of waste in the Waste Relocation Area was completed within the Former Hudson River Psychiatric Center property limit. Permission was not obtained from the adjacent property owner (Dutchess County, NY) to remove waste material from their property during the IRM phase of the project. The excavated waste material (approximately 50 cubic yards) was temporarily staged to the north of the Waste Relocation Area for subsequent relocation to the Cover Soil Placement Area. The excavated waste was temporarily placed on plastic sheeting, as well as covered with plastic sheeting.
- Confirmation samples were collected from the base of the excavation and along the north and west sidewalls. Soil was removed to bedrock along the south side of the excavation and, therefore, no confirmation sample was collected along the south sidewall. Additional waste material remains along the east sidewall near the property line and, therefore, no confirmation sample was collected along this sidewall. This remaining waste material will be removed as part of the final Remedial Action at the site. Four confirmation samples were collected; one along the north sidewall, one along the west sidewall and two at the base of the excavation. There was one exceedance of the restricted residential criteria for mercury located at the base of the excavation. Mercury was present at 1.07 ppm in the base excavation sample which exceeds the restricted residential criteria of 0.81 ppm. Soil in the immediate vicinity of this slight exceedance will be removed and the base excavation re-sampled during implementation of the RAWP. Copies of the analytical reports are included as Attachment A.
- The excavated waste material from the Waste Relocation Area was relocated to the Cover Soil Placement Area.

Placement of Cover Soil:

- An 18 inch layer of low permeability cover soil was placed over the Cover Soil Placement Area and the Stream Bank Restoration Area. Low permeability cover soil was also placed over the excavated portion of the Waste Relocation Area in order to grade the excavated area to drain. The soils properties data for the approximate 1,350 cubic yards of low permeability cover soil brought on site are included in Attachment B. The imported low permeability cover soil met the restricted residential criteria for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), pesticides,

and cyanide. A copy of the analytical report for the low permeability cover soil is included on a CD in Attachment A.

- The low permeability cover soil was compacted using rollers to achieve a minimum 95% compaction rate. A total of six compaction tests were run at approximate 25 foot intervals along the middle of the slope in the Stream Bank Restoration Area. A total of seven compaction tests were run across the Cover Soil Placement Area. A copy of the low permeability cover soil compaction test results is included in Attachment C.
- Placement of a six inch layer of vegetative support material was placed over the low permeability cover soil in the Stream Bank Restoration Area, the Waste Relocation Area, and the Cover Soil Placement Area. The soils properties data for the approximate 430 cubic yards of vegetative support material are included in Attachment D. The imported vegetative support material met the restricted residential criteria for VOCs, SVOCs, metals, PCBs, pesticides, and cyanide. A copy of the analytical reports for the vegetative support material is included on a CD in Attachment A.
- An erosion control mat and seed were applied to the Stream Bank Restoration Area. Mulch, and seed was applied to the Waste Relocation Area and Cover Soil Placement Area.

Abandon Piezometers:

- Piezometer PZ-2 was grouted and abandoned in place.
- Piezometer PZ-4 had been destroyed and could not be located to be abandoned.

Other:

- Full time field observation was provided by the Engineer during excavation around manhole DMH 2, grading of the sloped area, excavation of waste material in the Waste Relocation Area, relocating soil from the stockpiles to the Cover Soil Placement Area, placement of low-permeability cover soil in the Waste Relocation Area and Cover Soil Placement Area, and during abandonment of the 18-inch diameter concrete culvert and 12-inch diameter clay pipe. Part-time observation was provided by the Engineer during all other construction activities.
- Full time air monitoring occurred during excavation around manhole DMH 2, grading and excavation in the Stream Bank Restoration Area and Waste Relocation Areas, relocation of waste material from the Waste Relocation Area to the Cover Soil Placement Area, placement of the low-permeability cover soil material and abandonment of the 18-inch diameter concrete culvert and 12-inch diameter clay pipe. Air quality monitoring involved the monitoring of particulate levels using Dust Track 8520 aerosol monitors and volatile organic compounds (VOCs) using a MiniRAE 2000 photo-ionization detector (PID). No sustained periods of particulates exceeding the action level of 2.5 mg/m^3 above upwind levels occurred during air monitoring. No periods of volatile organic compounds exceeding the action level of 5ppm above upwind levels occurred during air monitoring.

C. <u>The following activities are expected to occur during the period from May 1 through May 31, 2009</u>:

- De-mobilize equipment from site.
- Maintain erosion control features.
- Finalize the Addendum to the Remedial Action Work Plan for submittal to the NYSDEC for review and approval.

D. <u>Interaction with the Public</u>:

- No interaction with the general public occurred this month.

Submitted by:

Richard D. Jones, P.E.
Senior Vice President
Fuss & O'Neill of New York, P.C.

Date: 5/27/09

ATTACHMENT – A

ANALYTICAL DATA

ATTACHMENT – B

COVER SOIL PROPERTIES DATA

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266

Client:	**Scavo Contracting Corp.**	**Project:**	Hudson Heritage IRM
Material:	Clay	**Project Number:**	090017
Source:	Rt 82 Sand & Stone	**Lab Number:**	09-0014A
Date Sampled:	1/13/2009	**Sampled By:**	Client
Date Tested:	1/26/2009	**Tested By:**	K. Harris

GRADATION (SIEVE ANALYSIS) OF SOIL OR AGGREGATE

Test Method(s): ASTM D422, C136, C117; AASHTO T11, T27, T88

Lab Number	Sample Type	Sampling Location	Specification
09-0014A	Clay	Stockpile	

Sieve Size		%	%	Spec. %
mm	Inches	Retain	Passing	Pass
100.0 mm	4"	0.0	100.0	
75.0 mm	3"	0.0	100.0	
62.5 mm	2 1/2"	0.0	100.0	
50.0 mm	2"	0.0	100.0	
37.5 mm	1 1/2"	0.0	100.0	
25.0 mm	1"	0.0	100.0	
19.0 mm	3/4"	0.0	100.0	
12.5 mm	1/2"	0.7	99.3	
6.32 mm	1/4"	1.9	97.4	
4.75 mm	#4	0.4	97.0	
2.00 mm	#10	1.8	95.2	
0.850 mm	#20	2.3	92.9	
0.600 mm	#30	1.4	91.5	
0.425 mm	#40	1.7	89.8	
0.150 mm	#100	6.7	83.1	
0.075 mm	#200	13.8	69.3	
Pan		69.3		

Comments:

Minus #200 by wash-sieve method.

Report Reviewed By: Emily J. Rodriguez

PDF

Advance Testing
3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266

Client:	Scavo Contracting Corp.	**Project**	Hudson Heritage IRM
Material:	Clay	**Project Number:**	090017
Source:	Rt 82 Sand & Gravel	**Lab Number:**	09-0014A
Location:	Stockpile	**Item Number:**	No Spec Items
Date Sampled:	1/13/2009	**Sampled By:**	Client
Date Tested:	1/26/2009	**Tested By:**	E. Rodriguez

Report for Unified Soil Classification
Test Method: ASTM D2487

USCS Group Symbol: **CL-ML**

USCS Group Name: **Sandy Silty Clay**

Comments:

Report Revised 2/6/09. Classification and Group Name corrected.

Report Reviewed By:

This report shall not be reproduced, except in full, without the written permission of Advance Testing Company, Inc.

PDF

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266

Client:	Scavo Contracting Corp.	**Project:**	Hudson Heritage IRM
Material:	Clay	**Project #:**	090017
Source:	Rt 82 Sand & Stone	**ATC Lab No.:**	09-0014A
Location:	Stockpile	**Item Number:**	No Spec Items
Date Sampled:	1/13/2009	**Sampled By:**	Client
Date Tested:	1/26/09	**Tested By:**	K. Harris

REPORT OF ATTERBERG LIMITS TEST RESULTS

TEST METHOD: ASTM D4318; LL Method B

Lab Number:	09-0014A	**Specification**
Liquid Limit:	26	
Plastic Limit:	21	
Plasticity Index:	5	

Notes: Values shown are percent moisture.
Customary procedure is to round results to the nearest whole number.

Comments:

Emily J. Rodriguez

Report Reviewed By:

This report shall not be reproduced, except in full, without the written permission of Advance Testing Company, Inc.

PDF

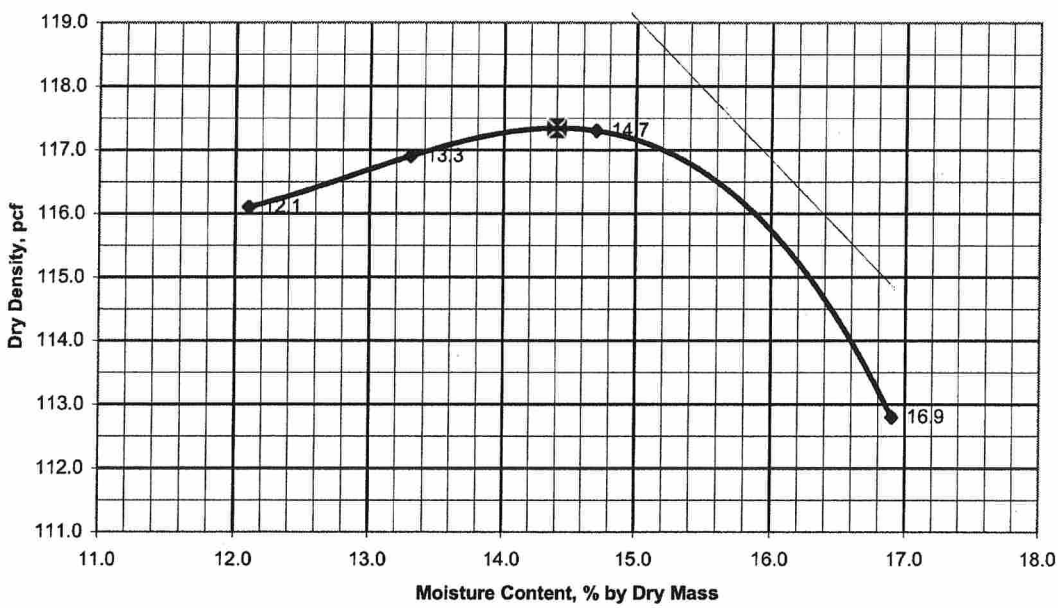
Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266

CLIENT:	Scavo Contracting Corp.		PROJECT NO.:	90017
PROJECT:	Hudson Heritage IRM		LAB NUMBER:	09-0014A
TEST METHOD:	ASTM D 1557 'Modified Proctor'		Method: B	
SOIL ID NUMBER:	1			
ITEM:	Clay			
SOURCE:	Rt 82 Sand & Stone			
SOIL DESCRIPTION:	Dark Yellowish Brown Silty Clay			
DATE SAMPLED:	1/13/2009	SAMPLED BY:	Client	
DATE TESTED:	1/26/2009	TESTED BY:	K. Harris	

REPORT OF MOISTURE DENSITY RELATIONSHIP

MOISTURE DENSITY RELATIONSHIP



Individual Test Points	
Percent Moisture	Dry Density
12.1	116.1
13.3	116.9
14.7	117.3
16.9	112.8

Test Maximum Dry Density:	117.3	lb/cu. ft.
Test Optimum Moisture Content:	14.4	%
Percent Oversize Particles:	2.2	%
Specific Gravity of Oversize:	2.67	
Corrected Maximum Dry Density	N/A	lb/cu. ft.
Corrected Opt. Moisture Content:	N/A	%

Report Reviewed By: Emily J. Rodriguez

PDF

This report shall not be reproduced, except in full, without written permission from Advance Testing Company, Inc.

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
42 Day Farm Road, West Stockbridge, MA 01266
Phone/Fax: 413-232-8566

Client:	Scavo Contracting Corp.	**Project:**	Hudson Heritage IRM
Material:	Clay	**Project Number:**	090017
Source:	Rt 82 Sand & Stone	**Lab Number:**	09-0014A
Location:	Stockpile	**Item Number:**	No Spec Items
Date Sampled:	1/13/2009	**Sampled By:**	Client
Date Tested:	1/29/2009	**Tested By:**	K. Harris

Report of Triaxial Permeability Test Using Back Pressure

Test Method: ASTM D5084

Proctor Test Data	
ASTM Proctor Test Method:	D1577
Maximum Dry Density, PCF:	117.3
Optimum Moisture Content, Percent of Dry Weight:	14.4

Sample Preparation Method:
Chopped to pass 3/8-inch sieve. Compacted in 1-inch lifts, scarified between lifts.

Test Sample Dimensions	Before Test	After Test
Height, cm:	7.71	7.69
Diameter, cm:	7.28	7.22
Moisture Content, %:	14.70	21.71
Dry Density, PCF:	103.17	105.05

Permeability Test Conditions	
Type of Water Used:	TAP
Maximum Back Pressure, PSI:	61.7
Hydraulic Gradient:	14.1
Effective Stress, PSI (min):	6.17
Effective Stress, PSI (max):	7.72
Initial Degree of Saturation, %:	63.7
Final Degree of Saturation, %:	98.8

Specific Gravity = 2.67

Permeability Test Results

Coefficient of Permeability @ 20^0C (68^0F):	9.13E-07	cm/sec
Specification:	**1.00E-05**	**cm/sec**

Comments: Test result complies with specification

Emily J. Rodriguez

Report Reviewed By:

This report shall not be reproduced, except in full, without written permission from Advance Testing Company, Inc.

PDF

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266

Client:	**Scavo Contracting Corp.**	**Project:**	Hudson Heritage IRM
Material:	Clay	**Project Number:**	090017
Source:	RT. 28 S&G	**Lab Number:**	09-0056A
Date Sampled:	2/9/2009	**Sampled By:**	Client
Date Tested:	2/10/2009	**Tested By:**	K. Harris

GRADATION (SIEVE ANALYSIS) OF SOIL OR AGGREGATE

Test Method(s): ASTM D422, C136, C117; AASHTO T11, T27, T88

Lab Number	Sample Type	Sampling Location	Specification
09-0056A	Clay	Stockpile	

Sieve Size		%	%	Spec. %
mm	Inches	Retain	Passing	Pass
100.0 mm	4"	0.0	100.0	
75.0 mm	3"	0.0	100.0	
62.5 mm	2 1/2"	0.0	100.0	
50.0 mm	2"	0.0	100.0	
37.5 mm	1 1/2"	0.0	100.0	
25.0 mm	1"	1.1	98.9	
19.0 mm	3/4"	1.6	97.3	
12.5 mm	1/2"	1.0	96.3	
6.32 mm	1/4"	2.8	93.5	
4.75 mm	#4	0.6	92.9	
2.00 mm	#10	1.8	91.1	
0.850 mm	#20	2.7	88.4	
0.600 mm	#30	1.8	86.6	
0.425 mm	#40	2.4	84.2	
0.150 mm	#100	8.5	75.7	
0.075 mm	#200	13.6	62.1	
Pan		62.1		

Comments:

Minus #200 by wash-sieve method.

Report Reviewed By: Emily J. Rodriguez

PDF

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266

Client:	Scavo Contracting Corp.	**Project:**	Hudson Heritage IRM
Material:	Clay	**Project #:**	090017
Source:	RT. 28 S&G	**ATC Lab No.:**	09-0056A
Location:	Stockpile	**Item Number:**	No Spec Items
Date Sampled:	2/9/2009	**Sampled By:**	Client
Date Tested:	2/10/09	**Tested By:**	K. Harris

REPORT OF ATTERBERG LIMITS TEST RESULTS

TEST METHOD: ASTM D4318; LL Method B

Lab Number:	09-0056A	**Specification**
Liquid Limit:	29	
Plastic Limit:	22	
Plasticity Index:	7	

Notes: Values shown are percent moisture.
Customary procedure is to round results to the nearest whole number.

Comments:

Report Reviewed By:

This report shall not be reproduced, except in full, without the written permission of Advance Testing Company, Inc.

PDF

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
42 Day Farm Road, West Stockbridge, MA 01266
Phone/Fax: 413-232-8566

Client:	Scavo Contracting Corp.	**Project:**	Hudson Heritage IRM
Material:	Clay	**Project Number:**	090017
Source:	RT. 28 S&G	**Lab Number:**	09-0056A
Location:	Stockpile	**Item Number:**	No Spec Items
Date Sampled:	2/9/2009	**Sampled By:**	Client
Date Tested:	2/16/2009	**Tested By:**	K. Harris

Report of Triaxial Permeability Test Using Back Pressure

Test Method: ASTM D5084

Proctor Test Data	
ASTM Proctor Test Method:	D1577
Maximum Dry Density, PCF:	119.2
Optimum Moisture Content, Percent of Dry Weight:	13.4

Sample Preparation Method:
Chopped to pass 3/8-inch sieve. Compacted in 1-inch lifts, scarified between lifts.

Test Sample Dimensions	Before Test	After Test
Height, cm:	7.72	7.74
Diameter, cm:	7.26	7.30
Moisture Content, %:	14.71	22.04
Dry Density, PCF:	105.53	104.24

Permeability Test Conditions	
Type of Water Used:	TAP
Maximum Back Pressure, PSI:	61.7
Hydraulic Gradient:	14.1
Effective Stress, PSI (min):	6.17
Effective Stress, PSI (max):	7.72
Initial Degree of Saturation, %:	68.7
Final Degree of Saturation, %:	99.5

Specific Gravity = 2.65

Permeability Test Results

Coefficient of Permeability @ 20^{0}C (68^{0}F):	1.63E-06	cm/sec
Specification:	**1.00E-05**	**cm/sec**

Comments: Test result complies with specification

Emily J. Rodriguez

Report Reviewed By:

This report shall not be reproduced, except in full, without written permission from Advance Testing Company, Inc.

PDF

ATTACHMENT – C

COVER SOIL COMPACTION DATA

Advance Testing

3348 Route 208 Campbell Hall, NY 10916 l Phone (845) 496-1600 l Fax (845) 496-1398
25 Hathorn Road Enfield, NH 03748 l Phone (603) 448-7300 l Fax (603) 448-6537

FIELD COMPACTION REPORT

Client Scavo Contracting Corp.
Project Hudson Heritage IRM
ATC Report 090017-3

Date 3/25/09
Technician Paul Sosler
Weather Sunny

Equipment #20 - 3440: 29791

General Location Waste containment area - compacted slope and landing area

Test No.	Probe Depth	Lift Thick-ness (in.)	Elevation	Soil ID	Max Lab Dry Dens	Opt Moist	% Moist	In Place Dry Dens	% Com pac tion	Material	Compliance Notes
1	12	18.0	last lift (grade)	1	117.3	14.4	11.3	116.8	99.6	Fill Material	Comply with Spec
Location:	middle of slope-east side										
2	12	18.0	last lift	1	117.3	14.4	15.3	111.4	95.0	Fill Material	Comply with Spec
Location:	25' down from test 1.										
3	12	18.0	last lift	1	117.3	14.4	14.8	112.0	95.5	Fill Material	Comply with Spec
Location:	25' down from test 2										
4	12	18.0	last lift	1	117.3	14.4	11.3	112.6	96.0	Fill Material	Comply with Spec
Location:	25' down from test 3										
5	12	18.0	last lift	1	117.3	14.4	13.1	111.7	95.2	Fill Material	Comply with Spec
Location:	25' down from test 4										
6	12	18.0	last lift	1	117.3	14.4	13.5	111.9	95.4	Fill Material	Comply with Spec
Location:	25'down from test- last test on the slope										
7	12	18.0	last lift	1	117.3	14.4	17.9	112.2	95.7	Fill Material	Comply with Spec
Location:	Landing - NW Corner										
8	12	18.0	last lift	1	117.3	14.4	17.3	111.4	95.0	Fill Material	Comply with Spec
Location:	Landing - NE Corner										
9	12	18.0	last lift	1	117.3	14.4	16.4	112.9	96.2	Fill Material	Comply with Spec
Location:	Landing - SE Corner										
10	12	18.0	last lift	1	117.3	14.4	16.5	112.4	95.8	Fill Material	Comply with Spec
Location:	Landing - SW Corner										
11	12	18.0	last lift	1	117.3	14.4	17.2	113.9	97.1	Fill Material	Comply with Spec
Location:	middle of landing east end										
12	0	0.0	last lift	1	117.3	14.4	15.8	112.3	95.7	Fill Material	Comply with Spec
Location:	middle of entire landing										
13	0	0.0	last lift	1	117.3	14.4	16.7	111.8	95.3	Fill Material	Comply with Spec
Location:	middle of landing west end										

Comments: First six tests run on slope and last seven run on landing.

- Reviewed by Kevin Patton, P.E.

PDF

Respectfully Submitted
ADVANCE TESTING CO.

Advance Testing

3348 Route 208 Campbell Hall, NY 10916 l Phone (845) 496-1600 l Fax (845) 496-1398
25 Hathorn Road Enfield, NH 03748 l Phone (603) 448-7300 l Fax (603) 448-6537

DAILY REPORT

Client	Scavo Contracting Corp.	**Date**	3/25/09
Project	Hudson Heritage IRM	**Technician**	Paul Sosler
ATC Report	090017-4	**Weather**	Sunny

The fill material to be tested was being compacted when the technician arrived at the site. Compaction tests were performed on the slope and landing areas of the waste containment area. The initial tests on the slope passed, but the tests on the landing did not. The contractor scraped off the surface of the landing to remove a thin layer of mud. The areas was then retested and the results were acceptable.

- Reviewed by Kevin Patton, P.E.

PDF

Respectfully Submitted
ADVANCE TESTING CO.

ATTACHMENT – D

VEGETATIVE SUPPORT SOIL PROPERTIES DATA

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266

Client:	**Scavo Contracting Corp.**	**Project:**	Hudson Heritage IRM
Material:	Vegetative Soil #2	**Project Number:**	090017
Source:	Liberty Trucking	**Lab Number:**	09-0141
Date Sampled:	2/23/2009	**Sampled By:**	Client
Date Tested:	3/23/2009	**Tested By:**	K. Harris

GRADATION (SIEVE ANALYSIS) OF SOIL OR AGGREGATE

Test Method(s): ASTM D422, C136, C117; AASHTO T11, T27, T88

Lab Number	Sample Type	Sampling Location	Specification
09-0141	Vegetative Soil #2	Stockpile	

Sieve Size		%	%	Spec. %
mm	Inches	Retain	Passing	Pass
100.0 mm	4"	0.0	100.0	
75.0 mm	3"	0.0	100.0	
62.5 mm	2 1/2"	0.0	100.0	
50.0 mm	2"	0.0	100.0	
37.5 mm	1 1/2"	0.0	100.0	
25.0 mm	1"	0.0	100.0	
19.0 mm	3/4"	0.7	99.3	
12.5 mm	1/2"	1.6	97.7	
6.32 mm	1/4"	4.8	92.9	
4.75 mm	#4	2.3	90.6	
2.00 mm	#10	8.9	81.7	
0.850 mm	#20	12.3	69.4	
0.600 mm	#30	6.9	62.5	
0.425 mm	#40	8.3	54.2	
0.150 mm	#100	26.2	28.0	
0.075 mm	#200	11.0	17.0	
Pan		17.0		

Comments:

Minus #200 by wash-sieve method.

Report Reviewed By: Emily J. Rodriguez

PDF

Advance Testing

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
42 Day Farm Road, West Stockbridge, MA 01266
Phone/Fax: 413-232-8566

Client:	Scavo Contracting Corp	**Project:**	Hudson Heritage IRM
Item:	Vegatative Soil #2	**Project #:**	090017
Source:	Liberty Trucking Luddingtonville	**Lab #:**	09-0141
Sampled:	2/23/2009	**Sampled By:**	Client
Tested:	3/23/2009	**Tested By:**	K. Harris

Report of Nutrients N-P-K

Test Method: LaMotte Chemical Model STH Series

Nitrogen (N)	**10 lbs/acre**	as Nitrate
Phosphorous (P)	**200 lbs/acre**	as P
Potassium (K)	**220 lbs/acre**	as K

Desirable Nutrient Levels

For Grass Turf

	Low	Medium	High
Nitrogen (N)	<80	120-200	>200
Phosphorous (P)	0-8	8-39	>40
Potassium (K)	0-100	100-200	>200

Nitrogen: A 'medium' level of 120 to 200 lbs/acre is equivalent to 3% to 5% organic matter. Excessive nitrogen content may reduce soil fertility (varies with crop; >400 is excessive for most plants.)

Phosphorus: Excessive phosphorus levels will not harm plants, but may cause impacts to water bodies, such as undesirable algae growth.

Potassium: High levels of potassium are not harmful, but may indicate harmful accumulation of salts in the soil . Potassium should not be added when the level is high.

Report Reviewed By: Emily J. Rodriguez

Appendix D

RAWP Approval

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9662 • **Fax:** (518) 402-9679
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

September 8, 2009

Gary Friedland
Hudson Heritage CPCR Ventures, LLC
c/o Arbor Hills Realty
68 Pines Bridge Road
Bedford Corners, NY 10549

Re: Hudson River Psychiatric Center LF 6
Site ID No. V00687
Town of Poughkeepsie, Dutchess County
RAWP Addendum

Dear Mr. Friedland:

This letter confirms and documents the New York State Department of Environmental Conservation's (Department's) approval of the *Addendum to the Remedial Action Work Plan* dated August 2009 for the above referenced site. Please makes sure copies of the document are distributed to each of the document repositories. The Department would appreciate at least one week notice prior to commencing field work. If you have any questions or concerns, please contact the Department's Project Manager, Joshua Cook, at (518) 402-9662.

Sincerely,

Robert W. Schick, P.E.
Director
Remedial Bureau C
Division of Environmental Remediation

c: J. Cook/file
ec: R. Schick
M. Ryan
J. Cook
B. Maglienti
M. VanValkenburg
N. Walz
Gary Friedland
Kelly Libolt (Fuss & O'Neill of New York, PC)

Appendix E

Town Permits

Town of Poughkeepsie
Department of Planning

~~Laura E. Wojtowicz~~
~~Director of Planning~~
~~lwojtowicz@townofpoughkeepsie-ny.gov~~

One Overocker Road
Poughkeepsie, New York 12603
845-485-3657
845-486-7885 Fax

August 22, 2008

Kelly Libolt
Fuss & O'Neill
80 Washington Street, Suite 301
Poughkeepsie, NY 12601

RE: HUDSON HERITAGE DEVELOPMENT LLC. LAND CONTOUR & AQUATIC RESOURCE PERMITS.
Route 9 Grid #s 6163-03-011149.

Dear Ms. Libolt:

This letter is to inform you of the action taken by the Town of Poughkeepsie Planning Board at the regular meeting scheduled for August 21, 2008, at which time requested a public hearing for Land Contour Change and Aquatic Resource Permits to place fill on an existing landfill mandated by NYS DEC remediation. Zoned HRRD (Historic Revitalization Development District). 160 +/- acres.

A motion was carried (6-0) by the Planning Board to open the public hearing.

A motion was carried (6-0) by the Planning Board to close the public hearing.

A motion was carried (6-0) by the Planning Board that determined, as set forth in the attached declaration dated August 21, 2008, prepared by the Planning Department, that the Hudson Heritage Development and Land Contour and Aquatic Resource Permits are a Type 1 action under SEQR, they will not have a significant adverse effect on the environment for the reasons listed, and that no environmental impact statement will be required (see Resolution).

A motion was carried (6-0) by the Planning Board to WAIVE aquatic resource permit requirements for additional information, referrals and a performance bond pursuant to Section 116-7(F) because proposed work will fulfill environmentally beneficial remediation agreed to and overseen by the NYS DEC.

A motion was carried (6-0) by the Planning Board to grant the Landfill Contour and Aquatic Resource permits subject to the following:

1. Show the limits and size of the 2.5+/- acre work area more clearly on the plan.
2. Show a Planning Board approval block for these permits and an Owner Consent signature block, on the plan.
3. Map Note: Upon completion of work, the owner shall submit NYS DEC correspondence confirming it to the Town Planning Department.
4. Town Engineer's comments dated August 12, 2008.

NOTE: *Submission for approval shall include a written response to each of the Planning Board's conditions.*

Sincerely,

John T. Weisman /DB

John T. Weisman
Chairman, Planning Board

JTW:db

cc: Susan Miller, Town Clerk
William A. Burke, Hudson Heritage LLC
George Rodenhausen, Esq.

Reference # 08-22

#10

TOWN OF POUGHKEEPSIE
Planning Board
1 Overocker Road, Poughkeepsie, NY 12603

Negative Declaration
Notice of Determination of Non-Significance
Prepared in accordance with Article 8 of the Environmental Conservation Law
State Environmental Quality Review Act (SEQRA)

Date: AUGUST 21, 2008

Motion by: Richard Davidson

Seconded by: Marvin Bennett

WHEREAS the Town of Poughkeepsie Planning Board, 1 Overocker Road, Poughkeepsie, NY 12603, has received an

Application for: LAND CONTOUR AND AQUATIC RESOURCE PERMITS

Entitled: HUDSON HERITAGE DEVELOPMENT

Located at: ROUTE 9 (Hudson View Drive), POUGHKEEPSIE, NY, DUTCHESS COUNTY

Tax Map Parcel Number: 6163-03-011149

Dated: July 7, 2008, Submitted by: HUDSON HERITAGE DEVELOPMENT, and

WHEREAS, an Environmental Assessment Form (EAF) has been submitted in support of this application, and

WHEREAS , THE Planning Board has acted as Lead Agency for the coordinated review of the action, and

WHEREAS, the action is briefly described as follows: REMEDIATION OF A 2.5 +/- ACRE LANDFILL BY CONSOLIDATING AND CAPPING IT WITH CLEAN FILL UNDER A VOLUNTARY CLEANUP AGREEMENT WITH NYS DEC.

WHEREAS, the Planning Board has reviewed the potential environmental impacts that may be associated with this action in accordance with the standards and criteria of SEQR Section 617.7(a), (b) and (c).

#1c

NOW THEREFORE BE IT RESOLVED, that the Planning Board determines the HUDSON HERITAGE DEVELOPMENT LAND CONTOUR AND AQUATIC RESOURCE PERMITS be a Type I Action according to the State Environmental Quality Review Act (SEQR), Parts 617.4 and 617.5.

AND FURTHER BE IT RESOLVED, that the Town of Poughkeepsie Planning Board has determined that the proposed action will not have a significant adverse effect on the environment and a draft Environmental Impact Statement will not be prepared,

AND FURTHER BE IT RESOLVED, that the Town of Poughkeepsie Planning Board uses the following reasons in support of this determination of non-significance:

1. The proposed action is a Type I action.
2. It does not meet the threshold set forth in part 617.7 (c) as likely to have a significant effect on the environment.
3. The effects on existing air quality, surface & groundwater, noise levels, traffic, solid waste, and erosion is non-significant.
4. There are not any known archaeological significant conditions. The impact upon the visual aesthetic & cultural resources is non-significant.
5. The impact upon vegetation & wildlife is non-significant.
6. The change of intensity of use of land is non-significant and does not exceed zoning regulations.
7. Effect upon growth & subsequent development is non-significant.
8. Existing utility & energy sources are sufficient.
9. Remediation of the 2.5 +/- acre landfill area will have no physical or visual effects upon the nearest National Register building approximately 1,410 feet away.
10. The project is being conducted as a Voluntary Cleanup Program agreement between the applicant and the NYS DEC, and it is overseen by the NYS DEC.
11. The project has been designed to minimize disturbance to the proximate stream and wetland.
12. The project is designed to reduce or eliminate stormwater infiltration of the landfill and resulting leachate, which will result in a positive effect on the environment.
13. The project is entirely independent of a separate application for a development master plan for the larger property and is appropriate for separate review.

AND FURTHER BE IT RESOLVED, that additional information is available from The Town of Poughkeepsie Planning Department, 1 Overocker Road, Poughkeepsie, NY 12603, telephone (845) 485-3657.

#10

John T. Weisman /ors

John T. Weisman, Planning Board Chairman

6 Ayes

0 Nays

0 Abstentions

cc: Applicant

For a Type I action:

- Supervisor, Town of Poughkeepsie
- Involved Agencies
- Environmental Notice Bulletin, NYS DEC
  625 Broadway, Albany, NY 12233-1750

Reference #08-22

Town of Poughkeepsie
Planning & Zoning

1 Overocker Road
Poughkeepsie, NY 12603

845-485-3657 Phone
845-486-7885/790-4772 Fax

July 20, 2009

Kelly Libolt, AICP
Fuss & O'Neill of New York, P.C.
80 Washington Street, Suite 301
Poughkeepsie, NY 12601

RE: HUDSON HERITAGE DEVELOPMENT LLC LAND CONTOUR
Route 9 (Hudson View Drive) Grid #s 6163-03-011149

Dear Ms. Libolt:

This letter is to inform you of the action taken by the Town of Poughkeepsie Planning Board at the Regular Meeting scheduled for July 16, 2009, at which time you requested an amended Land Contour permit and Aquatic Resource permit for landfill remediation and final landfill capping mandated by NYS DEC. Zoned HRDD (Historic Revitalization Development District); 160 +/- acres.

A motion was made to open the public hearing.

MOVED: **John Weisman**
SECONDED: **Richard Davison**
CARRIED: **7-0**

A motion was made to close the public hearing.

MOVED: **John Weisman**
SECONDED: **Richard Davison**
CARRIED: **7-0**

A motion was made to adopt a SEQRA Negative Declaration (resolution attached).

MOVED: **Richard Davison**
SECONDED: **Marvin Bennett**
CARRIED: **7-0**

A motion was made to waive additional aquatic resource information (except as specified by permit conditions) and a performance bond.

MOVED: **Richard Davison**
SECONDED: **Marvin Bennett**
CARRIED: **7-0**

A motion was made to grant Land Contour and Aquatic Resource permits subject to the following:

1. Revise plans to clarify the total acreage of disturbance (the project area has increased from the 2.5 acres shown on the previous Interim plan and in the current EAF).
2. Show consistent aquatic resource areas and acreage (buffer and wetlands) for completed Interim plans, proposed remaining remediation, and amended plan total, consistent with the proposed modified RAWP and SWPPP (completed and proposed plan conditions, aquatic table, modified RAWP, application and EAF do not all correspond).
3. Clarify the reason for excluding the stream bank area from impervious clay capping proposed for the remainder of the landfill.
4. Submit correspondence that verifies ACOE default approval of proposed wetland disturbance.
5. Label plans to indicate proposed capping, removal and abandonment of various utility lines, consistent with EAF B.11 and the May 2009 modified RAWP.
6. Map Note: *"Work approved by land contour and aquatic resource permits shall not begin until evidence of NYS DEC acceptance of the modified RAWP consistent with these plans is submitted to the Town Planning Department."*
7. Clarify the work completion deadline for the proposed modified RAWP and show it on the plan.
8. Map Note: *If work extends beyond the one year permit period from the date of Planning Board approval action, then an advance written request for the Planning Board to consider extending the approval period shall be required prior to its expiration.*
9. Add to the proposed plan the previously approved Note 6 from previous Sheet G002: *"Upon completion of work, the owner shall submit NYS DEC correspondence confirming it to the Town Planning Department."*
10. Submit all other Work Plans such as G-002, C-120, C-510, C-520, C-521, and C-530 as amended.
11. Submit two copies of the referenced 2004 RAWP which will remain in effect except for the modifications proposed to NYS DEC.
12. Identify the adjacent property owner to the south on Sheets C-110 and C-130.
13. Town Engineer's comments dated July 13, 2009.
14. Town Water Department's comments dated July 2, 2009.
15. Town Conservation Advisory Commission's comments dated July 13, 2009 excluding #1 and 2 regarding aquatic resource permit information.
16. NYS DEC's review.
17. All plans shall bear a licensed professional's stamp.
18. Add the following map notes to the plan:
    a. *It is the responsibility of the owner/applicant to submit to the Planning Department proof that the conditions of this Land Contour and Aquatic Resource Plan Approval have been completed, and the signature of the Planning Board Chairman shall be withheld pending receipt of a written memoranda from the Department of Planning verifying that the conditions of this approval have been completed.*
    b. *Prior to commencement of any site work the applicant's contractor and consulting engineer shall meet with the Planning Board engineer to discuss the phasing of the construction work, the placement of erosion control measures, implementation of required mitigation, prior approval of field changes, and periodic field inspections by the Planning Board's engineer.*
    c. *Prior to expiration of the Land Contour and Aquatic Resource Permits, the applicant shall provide to the Town Engineer and the Planning Department a certification prepared by a Professional Engineer that all site work has been carried out and completed in substantial compliance with the approved plans for the project. Additionally, the applicant shall provide*

to the Town Engineer and Planning Department an "as built" survey of the completed project including structures, utilities, land changes, and all work proposed by the approved plans.

19. No proposed land disturbance work shall commence until the land contour plan is signed by the Chairman.
20. The Wetland Consultant's comments dated July 9, 2009 and subsequent review, to include adequate monitoring provisions.

MOVED: **Richard Davison**
SECONDED: **Marvin Bennett**
CARRIED: **7-0**

NOTE TO THE APPLICANT: In responding to the comments of the Planning Board, Planning Department Staff, any of the various Town Departments and Agencies and any of the Town's consultants, it is the responsibility of the applicant to prepare appropriate and complete responses to each and every comment contained in the comment letter(s) and memoranda listed above. Failure to submit appropriate and complete responses to each and every comment as noted, may result in the removal of the application from the Planning Board agenda or may delay plan signatures pending a revised response.

Very truly yours,

John T. Weisman

John T. Weisman
Planning Board Chairman

JTW:cab
cc: Susan Miller, Town Clerk
William A. Burke, Hudson Heritage LLC
George Rodenhausen, Esq.
Reference # 08-22

PRESENT:	**ABSENT:**
Chairman Weisman	
Member Bennett	
Member Davison	
Member LaPerche	
Member Magee	
	Member Rose
Member Whitehead	
Member Bauer *(Alt.)*	

Town of Poughkeepsie
Planning & Zoning

1 Overocker Road
Poughkeepsie, NY 12603

845-485-3600 Phone
845-486-7885/790-4772 Fax

TOWN OF POUGHKEEPSIE
Planning Board
1 Overocker Road, Poughkeepsie, NY 12603

Negative Declaration
Notice of Determination of Non-Significance

Prepared in accordance with Article 8 of the Environmental Conservation Law
State Environmental Quality Review Act (SEQRA)

Date: JULY 16, 2009

Motion by: ***Richard Davison***

Seconded by: ***Marvin Bennett***

WHEREAS the Town of Poughkeepsie Planning Board, 1 Overocker Road, Poughkeepsie, NY 12603, has received an

Application for: LAND CONTOUR AND AQUATIC RESOURCE PERMITS

Entitled: HUDSON HERITAGE DEVELOPMENT

Located at: ROUTE 9 (Hudson View Drive), POUGHKEEPSIE, NY, DUTCHESS COUNTY

Tax Map Parcel Number: 6163-03-011149

Dated: May 22, 2009 and June 22, 2009 Submitted by: HUDSON HERITAGE DEVELOPMENT LLC, and

WHEREAS, an Environmental Assessment Form (EAF) has been submitted in support of this application, and

WHEREAS , THE Planning Board has acted as Lead Agency for the coordinated review of the action, and

WHEREAS, the action is briefly described as follows: AMENDED PERMITS FOR LANDFILL REMEDIATION AND FINAL LANDFILL CAPPING UNDER A PROPOSED MODIFIED WORK PLAN AGREEMENT WITH NYS DEC.

WHEREAS, the Planning Board has reviewed the potential environmental impacts that may be associated with this action in accordance with the standards and criteria of SEQR Section 617.7(a), (b) and (c).

NOW THEREFORE BE IT RESOLVED, that the Planning Board determines the HUDSON HERITAGE DEVELOPMENT LAND CONTOUR AND AQUATIC RESOURCE PERMITS are a Type I Action according to the State Environmental Quality Review Act (SEQR), Parts 617.4 and 617.5.

AND FURTHER BE IT RESOLVED, that the Town of Poughkeepsie Planning Board has determined that the proposed action will not have a significant adverse effect on the environment and a draft Environmental Impact Statement will not be prepared,

AND FURTHER BE IT RESOLVED, that the Town of Poughkeepsie Planning Board uses the following reasons in support of this determination of non-significance:

1. The proposed action is a Type I action.
2. It does not meet the threshold set forth in part 617.7 (c) as likely to have a significant effect on the environment.
3. The effects on existing air quality, surface & groundwater, noise levels, traffic, solid waste, and erosion is non-significant.
4. There are not any known archaeological significant conditions. The impact upon the visual aesthetic & cultural resources is non-significant.
5. The impact upon vegetation & wildlife is non-significant.
6. The change of intensity of use of land is non-significant and does not exceed zoning regulations.
7. Effect upon growth & subsequent development is non-significant.
8. Existing utility & energy sources are sufficient.
9. Remediation and capping of the landfill area will have no physical or visual effects upon the nearest National Register building approximately 1,410 feet away.
10. The project will be conducted under a modified Remedial Action Work Plan, to be approved and overseen by the NYS DEC.
11. The project has been designed to minimize disturbance to the proximate stream and wetland.
12. The project is designed to reduce or eliminate stormwater infiltration of the landfill and resulting leachate, which will result in a positive effect on the environment.
13. The project is entirely independent of a separate application for a development master plan for the larger property and is appropriate for separate review.

AND FURTHER BE IT RESOLVED, that additional information is available from The Town of Poughkeepsie Planning Department, 1 Overocker Road, Poughkeepsie, NY 12603, telephone (845) 485-3657.

John T. Weisman

John T. Weisman, Planning Board Chairman

____7____ Ayes

____0____ Nays

____0____ Abstentions

cc: Applicant

For a Type I action:

- Supervisor, Town of Poughkeepsie
- Involved Agencies
- Environmental Notice Bulletin, NYS DEC
  625 Broadway, Albany, NY 12233-1750

Reference #09-21

Appendices F

Town Permit Stream Sampling Laboratory Reports (CD)

Appendices G

CAMP Air Monitoring Data (CD)

Appendices H

Monthly Status Reports (CD)

Appendices I

Project Photo Log (CD)

Appendices J

Laboratory Reports and DUSR (CD)

Appendix K

Gravel Source NYSDOT Approval Letter

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ALBANY, N.Y. 12232
www.nysdot.gov

RECEIVED
FEB 11 2010
BY

STANLEY GEE
ACTING COMMISSIONER

DAVID A. PATERSON
GOVERNOR

Aggregate Source Status	
Name:	Red Wing Properties, Inc.
Source No.	8-153F
Location:	Elizaville, NY
Fine Aggregate Approved for Item 703-01	

January 1, 2010

Mr. Frank J. Doherty Jr.
Red Wing Properties, Inc.
Rt 52 P.O. Box 408
Stormville, NY 12582

Dear Mr. Doherty Jr.:

Aggregate from the operating location noted above is approved for Item 703-01, Fine Aggregate. The requirements of Materials Method 29, Aggregate Acceptance Procedures, have been met.

Aggregate sources which satisfy all applicable requirements of Materials Method 29, issued July 2007, appear on the Approved List of Sources of Fine and Coarse Aggregates. The Approved List is available on the Internet @

www.nysdot.gov and clicking on A-Z Site Index, Aggregates.

Approval status is reaffirmed by testing every 2 years. However, approval status may be modified if it is determined that conditions have changed. The Regional Materials Engineer may be consulted for current data concerning this or any source.

Any questions regarding these matters, may be directed to Mr. William Skerritt or members of his staff in the Materials Bureau, Engineering Geology Section at (518) 457-1038.

Very truly yours,

William Skerritt
Engineering Geology

WHS/MJB
File: 8-153F
cc: Scott Kehoe, Region 8 Materials Engineer

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ALBANY, N.Y. 12232
www.nysdot.gov

STANLEY GEE
ACTING COMMISSIONER

DAVID A. PATERSON
GOVERNOR

April 05, 2010

Mr. Frank J. Doherty Jr.
Red Wing Properties, Inc.
Rt 52 P.O. Box 408
Stormville, NY 12582

Geological Source Report Status: **Accepted** (see note1)
Location: Red Wing Properties, Inc.
Source No. 8-153F
Elizaville, NY

Dear Mr. Doherty Jr.:

The 2010 Geologic Source Report Cyclic and Annual Modules submitted for the proposed operating location noted above have been reviewed and accepted. The Geological Source Report Requirements for the 2010 season have been satisfied. However, if significant discrepancies between the report and the quarry operations are noted during field inspection, a revised report will be required. Please note there shall be no extension or alteration to the limits of the area of proposed operations without prior approval from this office.

Aggregate sources which satisfy all applicable requirements of Materials Method 29, issued July 2007 will appear on the Approved List of Sources of Fine and Coarse Aggregates. The Approved List is available on the Internet @

https://www.nysdot.gov/divisions/engineering/technical-services/materials-bureau/fine-coarse-aggregates

If the producer or the consulting geologist have any questions regarding these matters, they may call Mr. William Skerritt, or members of his staff in our Materials Bureau Engineering Geology Section at (518) 457-1038.

Very truly yours,

William Skerritt
Engineering Geology

WHS/RLW
File: 8-153F
cc: Scott Kehoe, Region 8 Materials Engineer
Wm. Kyle Crossett, Griggs-Lang Consulting Geologists, Inc.
note 1 - see attached sheet

Appendix L

Fill Material Analytical Reports

TECTONIC

DAILY FIELD REPORT

W.O.NO.: 5467.02 | PAGE 1 OF 5
REPORT NO.: | DATE: 5/3/10

■ 70 Pleasant Hill Rd, PO Box 37 Mountainville, NY 10953 Phone: 845-534-5959 Fax: 845-534-5655

☐ 36 British American Boulevard Suite 101 Latham, NY 12110 Phone: 518-783-1630 Fax: 518-783-1544

☐ 1344 Silas Deane Highway Suite 500 Rocky Hill, CT 06067 Phone: 860-563-2341 Fax: 860-257-4882

☐ 29-16 40th Avenue Long Island City, NY 11101 Phone: 716-391-92001 Fax: 716-567-8703

CLIENT: Hudson Heritage Development LLC

PROJECT NAME: Hudson Heritage Development

TECTONIC PROJECT MANAGER: Peter Sutherland, P.E.

TECTONIC FIELD REPRESENTATIVE: James Upright P.E.

LOCATION: Liberty Trucking Quarry Amenia, NY

GENERAL CONTRACTOR: Scavo Contracting

GENERAL CONTRACTOR'S REPRESENTATIVE: Eric Hanson

OWNER: Liberty Trucking

SPECIALTY CONTRACTOR: ☐ EARTH ☐ CONCRETE ☐ STEEL ☐ OTHER
Liberty Trucking – Lee Schultz

PLANS AND SPECIFICATIONS
BY
DATE

CONTRACTOR'S EQUIPMENT OBSERVED IN USE:

SHOP DRAWINGS
TYPE
APP. BY

VISITORS: REPRESENTING: ARR. DPT.

SAMPLES
TYPE grab QTY 16
composite 16

PHOTOS ☐
QTY

WEATHER: partly Cloudy to overcast, rain, windy TEMP. (°F) 70°

CONSTRUCTION ACTIVITIES: INDICATE ACTIVITIES MONITORED

Arrived at Liberty Quarry located off of Sinpatch Rd in Amenia, NY and met with Lee Schultz of Liberty Trucking. Mr. Schultz showed me the proposed sand bank that would be used to provide the barrier protection layer material and the proposed topsoil stockpile. The proposed sand deposit was a partially excavated natural sand deposit as evidenced by exposed layers and bedding. The topsoil stockpile was covered by heavy layer of brush and small trees. The sand deposit which was relatively flat pile was divided into four approximately equal quarters. In each quarter two grab samples was collected one from the low lying flat center area and one from the higher deposits on the sides of the deposit. The grab samples were transferred directly using dedicated disposable plastic scoops into 4 oz laboratory precleaned glassware, then labelled and placed in a cooler with ice. Five locations were then sampled around and including the grab sample location to create a composite sample in a Ziplock bag. The material was blended and an 8 oz laboratory glassware jar was filled and labelled. This was repeated at each grab sample location. Next moved to topsoil

FORMS ATTACHED:

☐ SOIL COMPACTION ☐ PRE-POUR INSPECTION ☐ STRUCTURAL STEEL
☐ NON-CONFORMANCE REPORT ☐ CONCRETE INSPECTION ☒ OTHER: aerial location plan, sample sketch plan

FOLLOW-UP FROM PRIOR REPORT ☐ YES ☐ NO DATE OF PRIOR REPORT

NON-CONFORMANCE CORRECTED:

WHAT, IN PARTICULAR, SHOULD BE OBSERVED, CHECKED, OR TESTED DURING THE NEXT VISIT?

NOTICE

The field representative is on the site solely to observe operations of the contractor identified, observe conformance with contract document, and report those operations to the client. The presence and activities of the field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.

☒ THIS DFR IS PRELIMINARY

This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

☐ THIS DFR IS FINAL

A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

FIELD REPRESENTATIVE: James Upright DATE: 5/3/10

REVIEWED BY: Peter T. Sutherland DATE: 5/14/10

TECTONIC

DAILY FIELD REPORT

W.O. NO.: 5467.02 | PAGE 2 OF 5
REPORT NO.: | DATE: 5/3/10

■ 70 Pleasant Hill Rd, PO Box 37 Mountainville, NY 10953
Phone: 845-534-5959
Fax: 845-534-5655

☐ 36 British American Boulevard
Suite 101
Latham, NY 12110
Phone: 518-783-1630
Fax: 518-783-1544

☐ 1344 Silas Deane Highway
Suite 500
Rocky Hill, CT 06067
Phone: 860-563-2341
Fax: 860-257-4882

☐ 29-16 40th Avenue
Long Island City, NY 11101
Phone: 716-391-92001
Fax: 716-567-8703

FURTHER COMMENTS:

PROJECT NAME: Hudson Heritage Development

LOCATION: Liberty Trucking Quarry, Armonia, N.

OWNER: Liberty Trucking

Cont.

stockpile. The stockpile was linear and oriented roughly east-west. Sectioned the north and south sides of stockpile into 4 sections on each side. In each section hand excavated 1 foot into stockpile with shovel at the locations shown on the attached plan. Using a dedicated disposable plastic scoop, collected a soil sample that was transferred directly into a 4oz laboratory prepcleaned glassware at each selected location. Sample was labeled, and placed in a cooler with ice. As was possible excavated with the shovel in 2 to 4 additional locations around grab sample and collected one scoop for a composite sample in a ziplock bag. After homogenizing placed soil into 8oz glassware jar which was labeled and placed in a cooler. This was repeated across the stockpile at the eight sections as shown on the attached plan. Sampling of topsoil stockpile was limited to areas of less dense vegetation. Based on the vegetation density and size, the topsoil stockpile was at least two years old.

☒ THIS DFR IS PRELIMINARY
A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

☐ THIS DFR IS FINAL
A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

FIELD REPRESENTATIVE: [signature] DATE: 5/3/10

REVIEWED BY: [signature] DATE: 5/14/10

5467.02 page 3 of 5

Overview

Map Layers

0 250 500

feet

Liberty Trucking Quarry

Sinpatch Rd., Amenia, NY

5/4/2010 9:00AM

TECTONIC

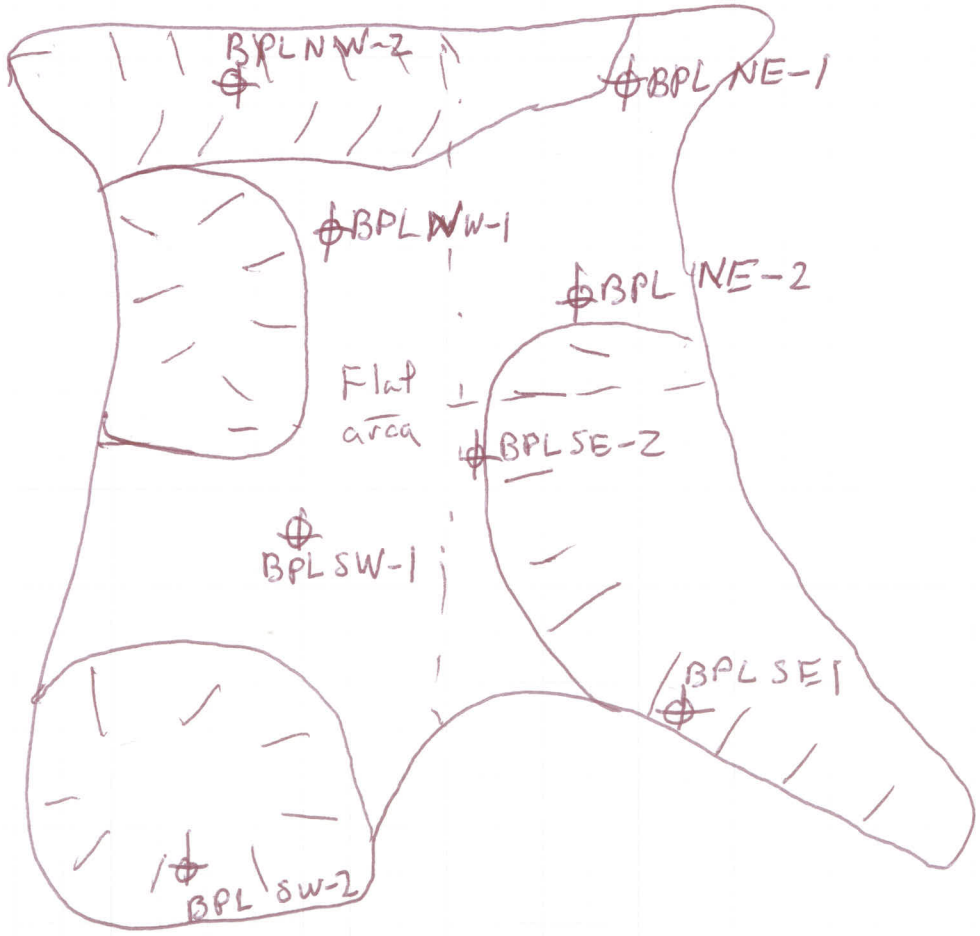
Mountainville, NY
Albany, NY
Cincinnati, OH
Hartford, CT
Northborough, MA
Richmond, VA
(800) 829-6531

JOB 5467.02
SHEET NO. 4 OF 5
CALCULATED BY JAU DATE 5/3/10
CHECKED BY PTB DATE 5/14/10
SCALE NTS

Approx. N

Liberty Quarry

- Barrier Protection Layer
  - Native Sand deposit in northeast corner of quarry



⊕ - sampling approximate location
grab sample collected at location with composite collected at grab location and four locations around grab location

TECTONIC
Mountainville, NY
Albany, NY
Cincinnati, OH
Hartford, CT
Northborough, MA
Richmond, VA
(800) 829-6531

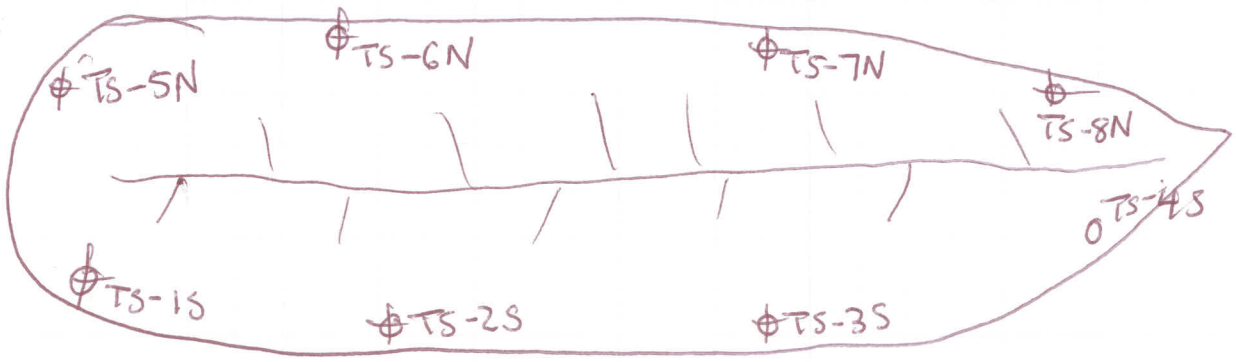
JOB 5467.02
SHEET NO. 5 OF 5
CALCULATED BY JAU DATE 5/3/10
CHECKED BY PTS DATE 5/14/10
SCALE NTS

Liberty Quarry

Topsoil Stockpile

- located in Northwest corner of quarry
- covered in heavy brush

N



⊕ - approximate topsoil sampling location

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. B2144
QUOTE NO.
COC Number 088835

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Tectonic Engineering
ADDRESS: 70 Pleasant Hill Rd
CITY: Mountainville STATE: NY ZIP: 10953
ATTENTION: James Upright
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT PROJECT INFORMATION

PROJECT NAME: Hudson Heritage Development
PROJECT NO.: 5467.01 LOCATION: Dutchess County, NY
PROJECT MANAGER: Peter Sutherland
e-mail: JAUpright@tectonicengineering.com
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT BILLING INFORMATION

BILL TO: Tectonic PO#:
ADDRESS: same
CITY: STATE: ZIP:
ATTENTION: Accts Payable PHONE: same

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☒ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

1 VOCs (8260 TCL + 10 TICs)
2 Cyanide
3 Mercury
4 TAL Metals
5 PCB
6 Pesticides (TCL)
7 SVOC (8270) BNA TCL + 20 TICs
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
								E	E	E	E	E	E				← Specify Preservatives A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other
1.	Liberty BPL SE-2	S	X		5/3/10	12:40	1		X	X	X	X	X				
2.	Liberty BPL NW-1G	S		X	5/3/10	1:15	1	X									
3.	Liberty BPL NW-1	S	X		5/3/10	1:20	1		X	X	X	X	X				
4.	Liberty BPL NW-2G	S		X	5/3/10	1:25	1	X									
5.	Liberty BPL NW-2	S	X		5/3/10	1:30	1		X	X	X	X	X				
6.	Liberty BPL NE-1G	S		X	5/3/10	1:40	1	X									
7.	Liberty BPL NE-1	S	X		5/3/10	1:45	1		X	X	X	X	X				
8.	Liberty BPL NE-2	S	X		5/3/10	1:55	1		X	X	X	X	X				
9.	Liberty BPL NE-2G	S		X	5/3/10	1:50	1	X									
10.	Liberty BPL SW-1	S	X		5/3/10	12:55	1		X	X	X	X	X				

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. James Upright	5/3/10 9:50	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	5/5/10 9:50	3. Ken Lewis

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: yes

Page 3 of 5

SHIPPED VIA: CLIENT: ☒ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. B2144
QUOTE NO.
COC Number 088836

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Tectonic Engineering
ADDRESS: 70 Pleasant Hill Rd
CITY: Mountainville STATE: NY ZIP: 10953
ATTENTION: James Upright
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT PROJECT INFORMATION

PROJECT NAME: Hudson Heritage Development
PROJECT NO. 5467.01 LOCATION: Dutchess County, NY
PROJECT MANAGER: Peter Sutherland
e-mail: JAUpright@tectonicengineering.com
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT BILLING INFORMATION

BILL TO: Tectonic PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: Accts Payable PHONE: Same

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☒ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

1 VOCs (8260 TCL + 10 TICs)
2 Cyanide, Mercury
3 TAL Metals
4 PCB
5 Pesticides TCL
6 SVOC (8270) BNA TCL + 20 TICs
7
8
9

PRESERVATIVES

	1	2	3	4	5	6	7	8	9
	E	E	E	E	E	E			

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
KR 5/5/10 1.	Liberty BPL SW-1G	S		X	5/3/10	12:50	1	X								
2.	Liberty BPL SW-2	S	X		5/3/10	1:05	1		X	X	X	X	X			
3.	Liberty BPL SW-2G	S		X	5/3/10	1:00	1	X								
4.	Liberty TS-1SG	S		X	5/3/10	2:05	1	X								
5.	Liberty TS-1S	S	X		5/3/10	2:10	1		X	X	X	X	X			
6.	Liberty TS-2SG	S		X	5/3/10	2:15	1	X								
7.	Liberty TS-2S	S	X		5/3/10	2:20	1		X	X	X	X	X			
8.	Liberty TS-3SG	S		X	5/3/10	2:25	1	X								
9.	Liberty TS-3S	S	X		5/3/10	2:30	1		X	X	X	X	X			
20.	Liberty TS-4SG	S		X	5/3/10	2:35	1	X								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	5/3/10 9:50	1.
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3.	DATE/TIME: 5/5/10 9:50	RECEIVED FOR LAB BY: 3. [signature]

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: yes

Page 4 of 5

SHIPPED VIA: CLIENT: ☒ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	5.599998	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.529	0.529	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	5.599998	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.010	J	mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	5.599998	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	7120		mg/Kg	0.89	5.300	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.59	2.650	1	
7440-38-2	Arsenic	4.320		mg/Kg	0.35	1.060	1	
7440-39-3	Barium	25.8		mg/Kg	0.42	5.300	1	
7440-41-7	Beryllium	0.22	J	mg/Kg	0.06	0.32	1	
7440-43-9	Cadmium	0.72		mg/Kg	0.06	0.32	1	
7440-70-2	Calcium	60600		mg/Kg	1.130	106	1	
7440-47-3	Chromium	8.110		mg/Kg	0.14	0.53	1	
7440-48-4	Cobalt	8.600		mg/Kg	0.60	1.590	1	
7440-50-8	Copper	13.3		mg/Kg	0.34	1.060	1	
7439-89-6	Iron	17800		mg/Kg	1.410	5.300	1	
7439-92-1	Lead	9.020		mg/Kg	0.41	0.64	1	
7439-95-4	Magnesium	34800		mg/Kg	4.850	106	1	
7439-96-5	Manganese	527		mg/Kg	0.20	1.060	1	
7440-02-0	Nickel	17.1		mg/Kg	0.49	2.120	1	
7440-09-7	Potassium	957		mg/Kg	3.710	106	1	
7782-49-2	Selenium	0.54	J	mg/Kg	0.43	1.060	1	
7440-22-4	Silver	ND	U	mg/Kg	0.16	0.53	1	
7440-23-5	Sodium	102	J	mg/Kg	2.670	106	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.29	2.120	1	
7440-62-2	Vanadium	11.6		mg/Kg	0.62	2.120	1	
7440-66-6	Zinc	38.4		mg/Kg	0.74	2.120	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	6	Analytical Method :	EPA SW-846 8082
DataFile :	P6039310.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.0	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.9	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.1	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.9	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.0	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.0	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	6	Analytical Method :	EPA SW-846 8081
DataFile :	P7048394.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036866.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.2	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	19	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.9	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.6	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036866.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.1	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.6	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.9	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	23	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	10	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	66	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.5	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.9	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	19	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.6	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.2	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.8	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	28	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-01
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SE-2
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036866.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.1	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.5	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	23	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	17	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	A	ug/Kg	0	0	1	TIC
301-02-0	9-Octadecenamide, (Z)-	110	J	ug/Kg	0	0	1	TIC
	unknown12.74	87	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-02
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1G
% Moisture :	10	Analytical Method :	EPA SW846 8260
DataFile :	VI031060.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.72	5.6	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.96	5.6	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.6	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.7	5.6	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.6	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.6	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.6	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.6	1	
67-64-1	Acetone	ND	U	ug/Kg	3.4	28	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.6	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.6	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.6	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.6	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.77	5.6	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.6	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.6	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.5	28	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.6	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.99	5.6	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.82	5.6	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.98	5.6	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.6	1	
71-43-2	Benzene	ND	U	ug/Kg	0.42	5.6	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.71	5.6	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.96	5.6	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.29	5.6	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-02
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1G
% Moisture :	10	Analytical Method :	EPA SW846 8260
DataFile :	VI031060.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.69	5.6	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.2	28	1	
108-88-3	Toluene	ND	U	ug/Kg	0.71	5.6	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.88	5.6	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.80	5.6	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.6	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.4	28	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.60	5.6	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.71	5.6	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.6	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.56	5.6	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.69	5.6	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.80	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.76	5.6	1	
100-42-5	Styrene	ND	U	ug/Kg	0.50	5.6	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.82	5.6	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.53	5.6	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.51	5.6	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.41	5.6	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.46	5.6	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.69	5.6	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.97	5.6	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.78	5.6	1	
000110-54-3	Hexane	5.8	J	ug/Kg	0	0	1	TIC
000575-43-9	Naphthalene, 1,6-dimethyl-	5.6	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	6.5	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.534	0.534	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	6.5	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.010	J	mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	6.5	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	6020		mg/Kg	0.81	4.820	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.54	2.410	1	
7440-38-2	Arsenic	2.630		mg/Kg	0.32	0.96	1	
7440-39-3	Barium	19.5		mg/Kg	0.39	4.820	1	
7440-41-7	Beryllium	0.17	J	mg/Kg	0.06	0.29	1	
7440-43-9	Cadmium	0.55		mg/Kg	0.06	0.29	1	
7440-70-2	Calcium	57800		mg/Kg	1.030	96.4	1	
7440-47-3	Chromium	6.840		mg/Kg	0.13	0.48	1	
7440-48-4	Cobalt	6.150		mg/Kg	0.55	1.450	1	
7440-50-8	Copper	10.7		mg/Kg	0.31	0.96	1	
7439-89-6	Iron	14100		mg/Kg	1.280	4.820	1	
7439-92-1	Lead	7.220		mg/Kg	0.38	0.58	1	
7439-95-4	Magnesium	31700		mg/Kg	4.410	96.4	1	
7439-96-5	Manganese	412		mg/Kg	0.18	0.96	1	
7440-02-0	Nickel	13.4		mg/Kg	0.44	1.930	1	
7440-09-7	Potassium	860		mg/Kg	3.370	96.4	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.40	0.96	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.48	1	
7440-23-5	Sodium	100		mg/Kg	2.430	96.4	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.26	1.930	1	
7440-62-2	Vanadium	9.780		mg/Kg	0.57	1.930	1	
7440-66-6	Zinc	31.1		mg/Kg	0.67	1.930	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	7	Analytical Method :	EPA SW-846 8082
DataFile :	P6039311.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.0	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.9	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.1	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.3	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.9	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.0	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.0	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	7	Analytical Method :	EPA SW-846 8081
DataFile :	P7048399.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036867.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.2	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	19	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.9	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.6	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036867.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.1	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.5	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.9	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	23	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	10	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	66	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.5	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.9	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	19	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.5	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.2	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.7	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	28	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-03
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036867.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.1	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.5	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	23	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	17	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	920	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	100	J	ug/Kg	0	0	1	TIC
124-26-5	Octadecanamide	340	J	ug/Kg	0	0	1	TIC
	unknown12.74	77	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-04
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2G
% Moisture :	10	Analytical Method :	EPA SW846 8260
DataFile :	VI031063.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.72	5.5	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.95	5.5	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.5	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.7	5.5	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.5	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.5	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.5	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.5	1	
67-64-1	Acetone	ND	U	ug/Kg	3.3	28	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.5	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.5	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.5	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.5	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.77	5.5	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.5	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.5	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.4	28	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.5	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.99	5.5	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.82	5.5	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.98	5.5	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.5	1	
71-43-2	Benzene	ND	U	ug/Kg	0.42	5.5	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.71	5.5	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.95	5.5	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.29	5.5	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-04
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2G
% Moisture :	10	Analytical Method :	EPA SW846 8260
DataFile :	VI031063.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.69	5.5	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.2	28	1	
108-88-3	Toluene	ND	U	ug/Kg	0.71	5.5	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.88	5.5	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.80	5.5	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.5	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.3	28	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.60	5.5	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.71	5.5	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.5	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.55	5.5	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.69	5.5	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.80	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.75	5.5	1	
100-42-5	Styrene	ND	U	ug/Kg	0.50	5.5	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.82	5.5	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.53	5.5	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.51	5.5	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.41	5.5	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.45	5.5	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.69	5.5	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.96	5.5	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.78	5.5	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	7.5	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.541	0.541	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	7.5	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.013		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	7.5	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	7020		mg/Kg	0.78	4.660	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.52	2.330	1	
7440-38-2	Arsenic	3.690		mg/Kg	0.31	0.93	1	
7440-39-3	Barium	20.3		mg/Kg	0.37	4.660	1	
7440-41-7	Beryllium	0.23	J	mg/Kg	0.06	0.28	1	
7440-43-9	Cadmium	0.82		mg/Kg	0.06	0.28	1	
7440-70-2	Calcium	59000		mg/Kg	1.00	93.2	1	
7440-47-3	Chromium	8.050		mg/Kg	0.12	0.47	1	
7440-48-4	Cobalt	9.000		mg/Kg	0.53	1.400	1	
7440-50-8	Copper	14.1		mg/Kg	0.30	0.93	1	
7439-89-6	Iron	17200		mg/Kg	1.240	4.660	1	
7439-92-1	Lead	9.300		mg/Kg	0.36	0.56	1	
7439-95-4	Magnesium	32700		mg/Kg	4.270	93.2	1	
7439-96-5	Manganese	544		mg/Kg	0.18	0.93	1	
7440-02-0	Nickel	18.4		mg/Kg	0.43	1.860	1	
7440-09-7	Potassium	920		mg/Kg	3.260	93.2	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.38	0.93	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.47	1	
7440-23-5	Sodium	94.4		mg/Kg	2.350	93.2	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.25	1.860	1	
7440-62-2	Vanadium	11.5		mg/Kg	0.55	1.860	1	
7440-66-6	Zinc	37.6		mg/Kg	0.65	1.860	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	8	Analytical Method :	EPA SW-846 8082
DataFile :	P6039312.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.1	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.0	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.2	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.3	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.0	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.1	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.0	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	8	Analytical Method :	EPA SW-846 8081
DataFile :	P7048400.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.20	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.22	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.20	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	11	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	7	Analytical Method :	EPA SW-846 8270
DataFile :	BF036868.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	19	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.2	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	19	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	19	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	21	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	14	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	17	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	9.0	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.7	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	7	Analytical Method :	EPA SW-846 8270
DataFile :	BF036868.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.1	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.6	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	9.0	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	15	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	23	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	10	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	66	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.6	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.6	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.0	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	15	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	19	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.6	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.3	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.8	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	28	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-05
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NW-2
% Moisture :	7	Analytical Method :	EPA SW-846 8270
DataFile :	BF036868.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.2	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.6	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	23	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.1	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	17	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.7	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
112-84-5	13-Docosenamide, (Z)-	630	J	ug/Kg	0	0	1	TIC
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	950	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	82	J	ug/Kg	0	0	1	TIC
112-05-0	Nonanoic acid	99	J	ug/Kg	0	0	1	TIC
	unknown12.75	80	J	ug/Kg	0	0	1	TIC
	unknown15.94	77	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-06
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031077.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.68	5.3	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.91	5.3	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.3	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.3	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.3	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.3	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.3	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.5	5.3	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.3	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.3	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.3	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.3	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.73	5.3	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	0.99	5.3	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.3	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.3	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.94	5.3	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.78	5.3	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.93	5.3	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.3	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.3	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.67	5.3	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.91	5.3	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.27	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-06
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031077.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.65	5.3	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.67	5.3	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.3	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.76	5.3	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.95	5.3	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.1	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.3	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.67	5.3	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.3	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.53	5.3	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.65	5.3	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.76	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.72	5.3	1	
100-42-5	Styrene	ND	U	ug/Kg	0.47	5.3	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.78	5.3	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.51	5.3	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.48	5.3	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.3	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.43	5.3	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.65	5.3	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.92	5.3	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.74	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.521	0.521	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.008	J	mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	6500		mg/Kg	0.81	4.820	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.54	2.410	1	
7440-38-2	Arsenic	3.340		mg/Kg	0.32	0.96	1	
7440-39-3	Barium	18.8		mg/Kg	0.39	4.820	1	
7440-41-7	Beryllium	0.18	J	mg/Kg	0.06	0.29	1	
7440-43-9	Cadmium	0.56		mg/Kg	0.06	0.29	1	
7440-70-2	Calcium	44900		mg/Kg	1.030	96.5	1	
7440-47-3	Chromium	7.200		mg/Kg	0.13	0.48	1	
7440-48-4	Cobalt	6.410		mg/Kg	0.55	1.450	1	
7440-50-8	Copper	10.9		mg/Kg	0.31	0.96	1	
7439-89-6	Iron	15200		mg/Kg	1.280	4.820	1	
7439-92-1	Lead	7.410		mg/Kg	0.38	0.58	1	
7439-95-4	Magnesium	23300		mg/Kg	4.420	96.5	1	
7439-96-5	Manganese	467		mg/Kg	0.18	0.96	1	
7440-02-0	Nickel	13.5		mg/Kg	0.44	1.930	1	
7440-09-7	Potassium	872		mg/Kg	3.380	96.5	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.40	0.96	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.48	1	
7440-23-5	Sodium	89.7	J	mg/Kg	2.430	96.5	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.26	1.930	1	
7440-62-2	Vanadium	10.5		mg/Kg	0.57	1.930	1	
7440-66-6	Zinc	33.4		mg/Kg	0.68	1.930	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8082
DataFile :	P6039313.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.9	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.7	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.0	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.8	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.9	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.9	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8081
DataFile :	P7048401.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.13	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.13	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.13	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.13	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BF036869.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	340	1	
108-95-2	Phenol	ND	U	ug/Kg	8.0	340	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	340	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	340	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	340	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	340	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	340	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	340	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	17	340	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	15	340	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	340	1	
78-59-1	Isophorone	ND	U	ug/Kg	11	340	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	340	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	340	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	340	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	340	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	340	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	24	340	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	340	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	340	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	15	340	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.7	340	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.4	340	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	340	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	24	340	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BF036869.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	7.9	340	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	15	340	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.4	340	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.7	340	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	340	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	340	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.8	340	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	35	340	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	340	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	340	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	340	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.4	340	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	340	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	340	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	45	340	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	340	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.3	340	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.8	340	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	340	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	340	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	340	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.4	340	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	340	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.6	340	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-07
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BF036869.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	340	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.3	340	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	340	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	340	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	340	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	340	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	340	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	340	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	340	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	340	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.5	340	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	340	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	340	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	340	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	980	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	85	J	ug/Kg	0	0	1	TIC
	unknown12.74	79	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	5.5	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.529	0.529	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	5.5	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.008	J	mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	5.5	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	7310		mg/Kg	0.63	3.730	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.42	1.860	1	
7440-38-2	Arsenic	4.310		mg/Kg	0.25	0.75	1	
7440-39-3	Barium	23.3		mg/Kg	0.30	3.730	1	
7440-41-7	Beryllium	0.24		mg/Kg	0.04	0.22	1	
7440-43-9	Cadmium	0.94		mg/Kg	0.04	0.22	1	
7440-70-2	Calcium	51200		mg/Kg	0.80	74.5	1	
7440-47-3	Chromium	8.390		mg/Kg	0.10	0.37	1	
7440-48-4	Cobalt	8.410		mg/Kg	0.42	1.120	1	
7440-50-8	Copper	13.0		mg/Kg	0.24	0.75	1	
7439-89-6	Iron	17700		mg/Kg	0.99	3.730	1	
7439-92-1	Lead	9.450		mg/Kg	0.29	0.45	1	
7439-95-4	Magnesium	29700		mg/Kg	3.410	74.5	1	
7439-96-5	Manganese	503		mg/Kg	0.14	0.75	1	
7440-02-0	Nickel	17.8		mg/Kg	0.34	1.490	1	
7440-09-7	Potassium	1020		mg/Kg	2.610	74.5	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.31	0.75	1	
7440-22-4	Silver	ND	U	mg/Kg	0.11	0.37	1	
7440-23-5	Sodium	86.9		mg/Kg	1.880	74.5	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.20	1.490	1	
7440-62-2	Vanadium	11.9		mg/Kg	0.44	1.490	1	
7440-66-6	Zinc	38.5		mg/Kg	0.52	1.490	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	6	Analytical Method :	EPA SW-846 8082
DataFile :	P6039314.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.0	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.8	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.1	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.9	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.0	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.0	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	6	Analytical Method :	EPA SW-846 8081
DataFile :	P7048402.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036870.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.1	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.8	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.5	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036870.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.0	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.4	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.8	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.9	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	65	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.4	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.8	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.4	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.7	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	28	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-08
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036870.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.4	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	980	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	130	J	ug/Kg	0	0	1	TIC
	unknown12.75	80	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-09
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2G
% Moisture :	7	Analytical Method :	EPA SW846 8260
DataFile :	VI031065.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.70	5.4	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.92	5.4	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.4	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.4	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.4	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.4	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.4	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.4	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	27	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.4	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.4	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.4	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.4	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.74	5.4	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.4	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.4	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	27	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.4	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.95	5.4	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.79	5.4	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.94	5.4	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.4	1	
71-43-2	Benzene	ND	U	ug/Kg	0.41	5.4	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.69	5.4	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.92	5.4	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.28	5.4	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-09
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-NE-2G
% Moisture :	7	Analytical Method :	EPA SW846 8260
DataFile :	VI031065.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.66	5.4	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	27	1	
108-88-3	Toluene	ND	U	ug/Kg	0.69	5.4	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.85	5.4	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.77	5.4	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.96	5.4	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.2	27	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.58	5.4	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.69	5.4	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.4	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.54	5.4	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.66	5.4	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.77	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.73	5.4	1	
100-42-5	Styrene	ND	U	ug/Kg	0.48	5.4	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.79	5.4	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.51	5.4	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.49	5.4	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.40	5.4	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.44	5.4	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.66	5.4	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.93	5.4	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.75	5.4	1	
000581-42-0	Naphthalene, 2,6-dimethyl-	5.8	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6.199997	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.533	0.533	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6.199997	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.012		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6.199997	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	7400		mg/Kg	0.79	4.720	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.53	2.360	1	
7440-38-2	Arsenic	5.200		mg/Kg	0.31	0.94	1	
7440-39-3	Barium	24.5		mg/Kg	0.38	4.720	1	
7440-41-7	Beryllium	0.22	J	mg/Kg	0.06	0.28	1	
7440-43-9	Cadmium	0.95		mg/Kg	0.06	0.28	1	
7440-70-2	Calcium	57400		mg/Kg	1.010	94.3	1	
7440-47-3	Chromium	8.640		mg/Kg	0.12	0.47	1	
7440-48-4	Cobalt	9.910		mg/Kg	0.54	1.420	1	
7440-50-8	Copper	13.8		mg/Kg	0.30	0.94	1	
7439-89-6	Iron	19800		mg/Kg	1.250	4.720	1	
7439-92-1	Lead	9.540		mg/Kg	0.37	0.57	1	
7439-95-4	Magnesium	31000		mg/Kg	4.320	94.3	1	
7439-96-5	Manganese	594		mg/Kg	0.18	0.94	1	
7440-02-0	Nickel	20.5		mg/Kg	0.43	1.890	1	
7440-09-7	Potassium	1020		mg/Kg	3.300	94.3	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.39	0.94	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.47	1	
7440-23-5	Sodium	89.2	J	mg/Kg	2.380	94.3	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.25	1.890	1	
7440-62-2	Vanadium	11.7		mg/Kg	0.56	1.890	1	
7440-66-6	Zinc	41.8		mg/Kg	0.66	1.890	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8082
DataFile :	P6039315.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.0	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.9	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.1	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.9	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.0	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.0	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8081
DataFile :	P7048403.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036871.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.2	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	19	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.9	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.6	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036871.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.1	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.5	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.9	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	23	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	10	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	66	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.5	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.9	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	19	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.5	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.2	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.7	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	28	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-10
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036871.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.1	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.5	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	23	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	17	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	A	ug/Kg	0	0	1	TIC
301-02-0	9-Octadecenamide, (Z)-	79	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-11
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1G
% Moisture :	9	Analytical Method :	EPA SW846 8260
DataFile :	VI031066.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.71	5.5	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.95	5.5	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.5	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.7	5.5	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.5	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.5	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.5	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.5	1	
67-64-1	Acetone	ND	U	ug/Kg	3.3	27	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.5	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.5	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.5	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.5	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.76	5.5	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.5	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.5	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.4	27	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.5	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.98	5.5	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.81	5.5	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.97	5.5	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.5	1	
71-43-2	Benzene	ND	U	ug/Kg	0.42	5.5	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.70	5.5	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.95	5.5	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.29	5.5	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-11
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-1G
% Moisture :	9	Analytical Method :	EPA SW846 8260
DataFile :	VI031066.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.68	5.5	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.2	27	1	
108-88-3	Toluene	ND	U	ug/Kg	0.70	5.5	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.87	5.5	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.79	5.5	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.99	5.5	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.3	27	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.59	5.5	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.70	5.5	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.5	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.55	5.5	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.68	5.5	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.79	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.75	5.5	1	
100-42-5	Styrene	ND	U	ug/Kg	0.49	5.5	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.81	5.5	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.53	5.5	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.51	5.5	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.41	5.5	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.45	5.5	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.68	5.5	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.96	5.5	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.77	5.5	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	5.5	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.529	0.529	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	5.5	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.013		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	5.5	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	6620		mg/Kg	0.66	3.920	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.44	1.960	1	
7440-38-2	Arsenic	4.090		mg/Kg	0.26	0.78	1	
7440-39-3	Barium	18.8		mg/Kg	0.31	3.920	1	
7440-41-7	Beryllium	0.22	J	mg/Kg	0.05	0.24	1	
7440-43-9	Cadmium	0.84		mg/Kg	0.05	0.24	1	
7440-70-2	Calcium	63000		mg/Kg	0.84	78.4	1	
7440-47-3	Chromium	7.590		mg/Kg	0.10	0.39	1	
7440-48-4	Cobalt	7.920		mg/Kg	0.45	1.180	1	
7440-50-8	Copper	12.0		mg/Kg	0.25	0.78	1	
7439-89-6	Iron	16800		mg/Kg	1.040	3.920	1	
7439-92-1	Lead	8.310		mg/Kg	0.31	0.47	1	
7439-95-4	Magnesium	35700		mg/Kg	3.590	78.4	1	
7439-96-5	Manganese	473		mg/Kg	0.15	0.78	1	
7440-02-0	Nickel	16.3		mg/Kg	0.36	1.570	1	
7440-09-7	Potassium	1040		mg/Kg	2.740	78.4	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.32	0.78	1	
7440-22-4	Silver	ND	U	mg/Kg	0.12	0.39	1	
7440-23-5	Sodium	80.8		mg/Kg	1.980	78.4	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.21	1.570	1	
7440-62-2	Vanadium	10.5		mg/Kg	0.46	1.570	1	
7440-66-6	Zinc	34.2		mg/Kg	0.55	1.570	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	6	Analytical Method :	EPA SW-846 8082
DataFile :	P6039320.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.0	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.8	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.1	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.9	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.0	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.0	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	6	Analytical Method :	EPA SW-846 8081
DataFile :	P7048404.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036872.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.1	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.8	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.5	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036872.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.0	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	64	J	ug/Kg	9.5	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.8	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.9	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	65	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.4	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.8	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.5	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.7	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	28	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-12
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036872.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.4	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	960	A	ug/Kg	0	0	1	TIC
301-02-0	9-Octadecenamide, (Z)-	210	J	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	120	J	ug/Kg	0	0	1	TIC
	unknown12.74	77	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-13
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2G
% Moisture :	7	Analytical Method :	EPA SW846 8260
DataFile :	VI031067.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.70	5.4	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.92	5.4	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.4	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.4	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.4	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.4	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.4	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.4	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	27	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.4	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.4	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.4	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.4	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.74	5.4	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.4	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.4	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	27	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.4	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.96	5.4	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.79	5.4	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.94	5.4	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.4	1	
71-43-2	Benzene	ND	U	ug/Kg	0.41	5.4	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.69	5.4	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.92	5.4	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.28	5.4	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-13
SDG ID :	B2144	Customer Sample No. :	LIBORTYBPL-SW-2G
% Moisture :	7	Analytical Method :	EPA SW846 8260
DataFile :	VI031067.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.67	5.4	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	27	1	
108-88-3	Toluene	ND	U	ug/Kg	0.69	5.4	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.85	5.4	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.77	5.4	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.97	5.4	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.2	27	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.58	5.4	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.69	5.4	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.4	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.54	5.4	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.67	5.4	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.77	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.73	5.4	1	
100-42-5	Styrene	ND	U	ug/Kg	0.48	5.4	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.79	5.4	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.52	5.4	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.49	5.4	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.40	5.4	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.44	5.4	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.67	5.4	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.93	5.4	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.75	5.4	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-14
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1SG
% Moisture :	14	Analytical Method :	EPA SW846 8260
DataFile :	VI031068.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.75	5.8	1	
74-87-3	Chloromethane	ND	U	ug/Kg	1.0	5.8	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.8	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.8	5.8	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.8	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.8	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.8	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.8	1	
67-64-1	Acetone	ND	U	ug/Kg	3.5	29	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.8	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.8	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.8	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.8	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.80	5.8	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.8	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.2	5.8	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.6	29	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.8	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.0	5.8	1	
67-66-3	Chloroform	1.4	J	ug/Kg	0.86	5.8	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.0	5.8	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.8	1	
71-43-2	Benzene	ND	U	ug/Kg	0.44	5.8	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.74	5.8	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.0	5.8	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.30	5.8	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-14
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1SG
% Moisture :	14	Analytical Method :	EPA SW846 8260
DataFile :	VI031068.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.72	5.8	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.4	29	1	
108-88-3	Toluene	ND	U	ug/Kg	0.74	5.8	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.91	5.8	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.8	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.8	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.5	29	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.63	5.8	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.74	5.8	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.2	5.8	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.58	5.8	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.72	5.8	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.83	12	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.79	5.8	1	
100-42-5	Styrene	ND	U	ug/Kg	0.52	5.8	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.86	5.8	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.56	5.8	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.53	5.8	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.43	5.8	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.47	5.8	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.72	5.8	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	1.0	5.8	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.81	5.8	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	12.6	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.572	0.572	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	12.6	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.038		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	12.6	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	16400		mg/Kg	0.67	4.000	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.45	2.000	1	
7440-38-2	Arsenic	4.280		mg/Kg	0.26	0.80	1	
7440-39-3	Barium	58.2		mg/Kg	0.32	4.000	1	
7440-41-7	Beryllium	0.63		mg/Kg	0.05	0.24	1	
7440-43-9	Cadmium	1.010		mg/Kg	0.05	0.24	1	
7440-70-2	Calcium	1980		mg/Kg	0.86	80.0	1	
7440-47-3	Chromium	18.4		mg/Kg	0.10	0.40	1	
7440-48-4	Cobalt	11.1		mg/Kg	0.46	1.200	1	
7440-50-8	Copper	14.7		mg/Kg	0.26	0.80	1	
7439-89-6	Iron	26300		mg/Kg	1.060	4.000	1	
7439-92-1	Lead	18.6		mg/Kg	0.31	0.48	1	
7439-95-4	Magnesium	7530		mg/Kg	3.660	80.0	1	
7439-96-5	Manganese	1010		mg/Kg	0.15	0.80	1	
7440-02-0	Nickel	24.9		mg/Kg	0.37	1.600	1	
7440-09-7	Potassium	1020		mg/Kg	2.800	80.0	1	
7782-49-2	Selenium	0.99		mg/Kg	0.33	0.80	1	
7440-22-4	Silver	ND	U	mg/Kg	0.12	0.40	1	
7440-23-5	Sodium	74.6	J	mg/Kg	2.020	80.0	1	
7440-28-0	Thallium	0.23	J	mg/Kg	0.22	1.600	1	
7440-62-2	Vanadium	28.7		mg/Kg	0.47	1.600	1	
7440-66-6	Zinc	59.5		mg/Kg	0.56	1.600	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	13	Analytical Method :	EPA SW-846 8082
DataFile :	P6039321.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.3	20	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.2	20	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.5	20	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.4	20	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.3	20	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.4	20	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.3	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	13	Analytical Method :	EPA SW-846 8081
DataFile :	P7048405.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.15	2.0	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.21	2.0	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	2.0	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.17	2.0	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.16	2.0	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	2.0	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.18	2.0	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.17	2.0	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.15	2.0	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.23	2.0	1	
72-20-8	Endrin	ND	U	ug/Kg	0.21	2.0	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.16	2.0	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.20	2.0	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.17	2.0	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.16	2.0	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.20	2.0	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.15	2.0	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.17	2.0	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.16	2.0	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.15	2.0	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	11	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	13	Analytical Method :	EPA SW-846 8270
DataFile :	BF036873.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	20	380	1	
108-95-2	Phenol	ND	U	ug/Kg	8.8	380	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	18	380	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	20	380	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	21	380	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	16	380	1	
98-86-2	Acetophenone	ND	U	ug/Kg	12	380	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	20	380	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	19	380	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	17	380	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	14	380	1	
78-59-1	Isophorone	ND	U	ug/Kg	13	380	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	18	380	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	22	380	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	22	380	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	15	380	1	
91-20-3	Naphthalene	ND	U	ug/Kg	13	380	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	27	380	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	14	380	1	
105-60-2	Caprolactam	ND	U	ug/Kg	18	380	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	17	380	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	9.6	380	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.3	380	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	12	380	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	27	380	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	14	380	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	13	Analytical Method :	EPA SW-846 8270
DataFile :	BF036873.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.7	380	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	17	380	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	10	380	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	9.6	380	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	16	380	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	25	380	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	380	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	39	380	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	71	380	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	15	380	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	12	380	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	6.0	380	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	21	380	1	
86-73-7	Fluorene	ND	U	ug/Kg	14	380	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	50	380	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	22	380	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.2	380	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.5	380	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	16	380	1	
1912-24-9	Atrazine	ND	U	ug/Kg	20	380	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	26	380	1	
85-01-8	Phenanthrene	350	J	ug/Kg	10	380	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.8	380	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.4	380	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	30	380	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	13	Analytical Method :	EPA SW-846 8270
DataFile :	BF036873.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	280	J	ug/Kg	7.7	380	1	
129-00-0	Pyrene	210	J	ug/Kg	9.2	380	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	18	380	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	25	380	1	
56-55-3	Benzo(a)anthracene	94	J	ug/Kg	18	380	1	
218-01-9	Chrysene	110	J	ug/Kg	17	380	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	14	380	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.4	380	1	
205-99-2	Benzo(b)fluoranthene	96	J	ug/Kg	12	380	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	18	380	1	
50-32-8	Benzo(a)pyrene	74	J	ug/Kg	8.3	380	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	13	380	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	380	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	15	380	1	
83-46-5	.beta.-Sitosterol	170	J	ug/Kg	0	0	1	TIC
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	970	A	ug/Kg	0	0	1	TIC
41446-67-7	3-Tetradecene, (Z)-	99	J	ug/Kg	0	0	1	TIC
84-65-1	9,10-Anthracenedione	78	J	ug/Kg	0	0	1	TIC
779-02-2	Anthracene, 9-methyl-	83	J	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	88	J	ug/Kg	0	0	1	TIC
629-97-0	Docosane	190	J	ug/Kg	0	0	1	TIC
6117-97-1	Dodecane, 4-methyl-	170	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	120	J	ug/Kg	0	0	1	TIC
629-92-5	Nonadecane	190	J	ug/Kg	0	0	1	TIC
57-11-4	Octadecanoic acid	140	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-15
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-1S
% Moisture :	13	Analytical Method :	EPA SW-846 8270
DataFile :	BF036873.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	unknown12.74	100	J	ug/Kg	0	0	1	TIC
	unknown14.18	130	J	ug/Kg	0	0	1	TIC
	unknown15.57	180	J	ug/Kg	0	0	1	TIC
	unknown15.94	220	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-16
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2SG
% Moisture :	12	Analytical Method :	EPA SW846 8260
DataFile :	VI031069.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.73	5.6	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.97	5.6	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.6	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.8	5.6	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.6	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.6	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.6	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.6	1	
67-64-1	Acetone	ND	U	ug/Kg	3.4	28	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.6	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.6	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.6	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.6	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.78	5.6	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.6	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.6	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.5	28	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.6	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.0	5.6	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.84	5.6	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.99	5.6	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.6	1	
71-43-2	Benzene	ND	U	ug/Kg	0.43	5.6	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.72	5.6	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.97	5.6	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.29	5.6	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-16
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2SG
% Moisture :	12	Analytical Method :	EPA SW846 8260
DataFile :	VI031069.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.70	5.6	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.3	28	1	
108-88-3	Toluene	ND	U	ug/Kg	0.72	5.6	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.89	5.6	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.81	5.6	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.6	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.4	28	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.61	5.6	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.72	5.6	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.6	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.56	5.6	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.70	5.6	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.81	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.77	5.6	1	
100-42-5	Styrene	ND	U	ug/Kg	0.51	5.6	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.84	5.6	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.54	5.6	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.52	5.6	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.42	5.6	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.46	5.6	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.70	5.6	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.98	5.6	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.79	5.6	1	
000110-54-3	Hexane	5.9	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.568	0.568	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.042		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	16100		mg/Kg	0.78	4.620	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.52	2.310	1	
7440-38-2	Arsenic	4.520		mg/Kg	0.30	0.92	1	
7440-39-3	Barium	49.3		mg/Kg	0.37	4.620	1	
7440-41-7	Beryllium	0.60		mg/Kg	0.06	0.28	1	
7440-43-9	Cadmium	0.77		mg/Kg	0.06	0.28	1	
7440-70-2	Calcium	1170		mg/Kg	0.99	92.4	1	
7440-47-3	Chromium	17.8		mg/Kg	0.12	0.46	1	
7440-48-4	Cobalt	9.830		mg/Kg	0.53	1.390	1	
7440-50-8	Copper	15.3		mg/Kg	0.30	0.92	1	
7439-89-6	Iron	24800		mg/Kg	1.230	4.620	1	
7439-92-1	Lead	19.7		mg/Kg	0.36	0.55	1	
7439-95-4	Magnesium	6860		mg/Kg	4.230	92.4	1	
7439-96-5	Manganese	825		mg/Kg	0.18	0.92	1	
7440-02-0	Nickel	22.4		mg/Kg	0.42	1.850	1	
7440-09-7	Potassium	898		mg/Kg	3.230	92.4	1	
7782-49-2	Selenium	1.220		mg/Kg	0.38	0.92	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.46	1	
7440-23-5	Sodium	64.9	J	mg/Kg	2.330	92.4	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.25	1.850	1	
7440-62-2	Vanadium	27.6		mg/Kg	0.55	1.850	1	
7440-66-6	Zinc	55.1		mg/Kg	0.65	1.850	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	EPA SW-846 8082
DataFile :	P6039322.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.2	19	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.2	19	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.4	19	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.4	19	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.2	19	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.3	19	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.2	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	EPA SW-846 8081
DataFile :	P7048406.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.15	1.9	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.20	1.9	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.9	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.17	1.9	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.16	1.9	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.9	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.18	1.9	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.17	1.9	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.15	1.9	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.23	1.9	1	
72-20-8	Endrin	ND	U	ug/Kg	0.20	1.9	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.16	1.9	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.19	1.9	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.17	1.9	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.16	1.9	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.19	1.9	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.15	1.9	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.17	1.9	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.16	1.9	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.15	1.9	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	11	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	EPA SW-846 8270
DataFile :	BF036874.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	20	370	1	
108-95-2	Phenol	ND	U	ug/Kg	8.7	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	18	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	20	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	21	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	16	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	12	370	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	20	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	19	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	17	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	14	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	18	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	21	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	22	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	14	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	13	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	27	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	14	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	18	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	17	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	9.5	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.2	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	12	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	27	370	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	14	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	EPA SW-846 8270
DataFile :	BF036874.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.6	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	17	370	1	
131-11-3	Dimethylphthalate	110	J	ug/Kg	10	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	9.5	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	15	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	24	370	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	38	370	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	70	370	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	15	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.9	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	21	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	14	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	49	370	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	22	370	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.1	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.4	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	15	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	20	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	26	370	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	10	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.7	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.3	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	30	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-17
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-2S
% Moisture :	12	Analytical Method :	EPA SW-846 8270
DataFile :	BF036874.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.6	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	9.1	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	18	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	24	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	18	370	1	
218-01-9	Chrysene	ND	U	ug/Kg	17	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.3	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	18	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.2	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	13	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	15	370	1	
86711-81-1	2- Chloropropionic acid, hexadecyl	130	J	ug/Kg	0	0	1	TIC
19780-63-3	2-Pentanol, 3-ethyl-2-methyl-	94	J	ug/Kg	0	0	1	TIC
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	A	ug/Kg	0	0	1	TIC
610-28-6	Benzoic acid, 2,5-dinitro-	80	J	ug/Kg	0	0	1	TIC
629-78-7	Heptadecane	77	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	110	J	ug/Kg	0	0	1	TIC
57-11-4	Octadecanoic acid	88	J	ug/Kg	0	0	1	TIC
35599-77-0	Tridecane, 1-iodo-	110	J	ug/Kg	0	0	1	TIC
	unknown12.74	85	J	ug/Kg	0	0	1	TIC
	unknown15.94	100	J	ug/Kg	0	0	1	TIC
	unknown18.79	76	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-18
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3SG
% Moisture :	12	Analytical Method :	EPA SW846 8260
DataFile :	VI031078.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.74	5.7	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.97	5.7	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.7	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.8	5.7	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.7	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.7	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.7	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.7	1	
67-64-1	Acetone	ND	U	ug/Kg	3.4	28	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.7	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.7	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.7	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.7	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.78	5.7	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.7	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.7	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.5	28	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.7	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.0	5.7	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.84	5.7	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.0	5.7	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.7	1	
71-43-2	Benzene	ND	U	ug/Kg	0.43	5.7	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.72	5.7	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.97	5.7	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.29	5.7	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-18
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3SG
% Moisture :	12	Analytical Method :	EPA SW846 8260
DataFile :	VI031078.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.70	5.7	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.3	28	1	
108-88-3	Toluene	ND	U	ug/Kg	0.72	5.7	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.89	5.7	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.81	5.7	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.7	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.4	28	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.61	5.7	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.72	5.7	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.7	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.57	5.7	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.70	5.7	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.81	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.77	5.7	1	
100-42-5	Styrene	ND	U	ug/Kg	0.51	5.7	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.84	5.7	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.54	5.7	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.52	5.7	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.42	5.7	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.46	5.7	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.70	5.7	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.98	5.7	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.79	5.7	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	Cyanide	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11.4	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.564	0.564	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11.4	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.053		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11.4	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	15800		mg/Kg	0.85	5.040	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.56	2.520	1	
7440-38-2	Arsenic	4.740		mg/Kg	0.33	1.010	1	
7440-39-3	Barium	47.4		mg/Kg	0.40	5.040	1	
7440-41-7	Beryllium	0.63		mg/Kg	0.06	0.30	1	
7440-43-9	Cadmium	0.88		mg/Kg	0.06	0.30	1	
7440-70-2	Calcium	1140		mg/Kg	1.080	101	1	
7440-47-3	Chromium	17.5		mg/Kg	0.13	0.50	1	
7440-48-4	Cobalt	9.750		mg/Kg	0.57	1.510	1	
7440-50-8	Copper	15.0		mg/Kg	0.32	1.010	1	
7439-89-6	Iron	29500		mg/Kg	1.340	5.040	1	
7439-92-1	Lead	19.4		mg/Kg	0.39	0.60	1	
7439-95-4	Magnesium	6840		mg/Kg	4.620	101	1	
7439-96-5	Manganese	801		mg/Kg	0.19	1.010	1	
7440-02-0	Nickel	23.7		mg/Kg	0.46	2.020	1	
7440-09-7	Potassium	932		mg/Kg	3.530	101	1	
7782-49-2	Selenium	0.77	J	mg/Kg	0.41	1.010	1	
7440-22-4	Silver	ND	U	mg/Kg	0.15	0.50	1	
7440-23-5	Sodium	67.0	J	mg/Kg	2.540	101	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.27	2.020	1	
7440-62-2	Vanadium	27.2		mg/Kg	0.59	2.020	1	
7440-66-6	Zinc	55.8		mg/Kg	0.71	2.020	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	PCB	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11	Analytical Method :	EPA SW-846 8082
DataFile :	P6039323.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.2	19	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.1	19	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.4	19	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.4	19	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.2	19	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.2	19	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.2	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11	Analytical Method :	EPA SW-846 8081
DataFile :	P7048407.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.15	1.9	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.20	1.9	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.9	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.17	1.9	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.16	1.9	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.9	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.18	1.9	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.17	1.9	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.15	1.9	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.22	1.9	1	
72-20-8	Endrin	ND	U	ug/Kg	0.20	1.9	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.16	1.9	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.19	1.9	1	
1031-07-8	Endosulfan Sulfate	2.2		ug/Kg	0.17	1.9	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.16	1.9	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.19	1.9	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.15	1.9	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.17	1.9	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.16	1.9	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.15	1.9	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	11	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11	Analytical Method :	EPA SW-846 8270
DataFile :	BF036875.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	20	370	1	
108-95-2	Phenol	ND	U	ug/Kg	8.6	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	18	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	20	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	20	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	370	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	19	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	19	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	17	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	14	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	18	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	21	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	22	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	14	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	13	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	26	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	14	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	17	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	17	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	9.4	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.1	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	26	370	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	14	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11	Analytical Method :	EPA SW-846 8270
DataFile :	BF036875.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.5	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	17	370	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	10	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	9.4	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	15	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	24	370	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	38	370	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	69	370	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	15	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.8	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	20	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	14	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	49	370	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	21	370	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.0	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.3	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	15	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	20	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	26	370	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	10	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.6	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.2	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	29	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11	Analytical Method :	EPA SW-846 8270
DataFile :	BF036875.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.5	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	9.0	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	18	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	24	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	18	370	1	
218-01-9	Chrysene	ND	U	ug/Kg	17	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.3	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	18	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.1	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	15	370	1	
6938-66-5	1-Bromodocosane	160	J	ug/Kg	0	0	1	TIC
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	A	ug/Kg	0	0	1	TIC
3691-11-0	Azulene, 1,2,3,5,6,7,8,8a-octahydr	190	J	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	110	J	ug/Kg	0	0	1	TIC
31295-56-4	Dodecane, 2,6,11-trimethyl-	87	J	ug/Kg	0	0	1	TIC
2136-70-1	Ethanol, 2-(tetradecyloxy)-	120	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	150	J	ug/Kg	0	0	1	TIC
57-11-4	Octadecanoic acid	110	J	ug/Kg	0	0	1	TIC
646-31-1	Tetracosane	90	J	ug/Kg	0	0	1	TIC
	unknown12.74	90	J	ug/Kg	0	0	1	TIC
	unknown18.79	200	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2144-19
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-3S
% Moisture :	11	Analytical Method :	EPA SW-846 8270
DataFile :	BF036875.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	unknown20.43	750	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-20
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-4SG
% Moisture :	12	Analytical Method :	EPA SW846 8260
DataFile :	VI031088.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.74	5.7	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.98	5.7	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.7	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.8	5.7	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.7	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.7	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.7	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.7	1	
67-64-1	Acetone	ND	U	ug/Kg	3.4	28	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.7	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.7	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.7	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.7	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.78	5.7	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.7	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.7	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.5	28	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.7	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.0	5.7	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.84	5.7	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.0	5.7	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.7	1	
71-43-2	Benzene	ND	U	ug/Kg	0.43	5.7	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.73	5.7	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.98	5.7	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.30	5.7	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/03/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2144-20
SDG ID :	B2144	Customer Sample No. :	LIBORTYTS-4SG
% Moisture :	12	Analytical Method :	EPA SW846 8260
DataFile :	VI031088.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.70	5.7	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.3	28	1	
108-88-3	Toluene	ND	U	ug/Kg	0.73	5.7	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.90	5.7	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.82	5.7	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.7	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.5	28	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.61	5.7	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.73	5.7	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.7	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.57	5.7	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.70	5.7	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.82	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.77	5.7	1	
100-42-5	Styrene	ND	U	ug/Kg	0.51	5.7	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.84	5.7	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.55	5.7	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.52	5.7	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.42	5.7	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.47	5.7	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.70	5.7	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.99	5.7	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.80	5.7	1	

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Page

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Project #: B2144
5/12/2010 1:28:31 PM
End Of Report

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. B2145
QUOTE NO.
COC Number 088837

CLIENT INFORMATION (REPORT TO BE SENT TO)

COMPANY: Tectonic Engineering
ADDRESS: 70 Pleasant Hill Rd
CITY: Mountainville, NY STATE: NY ZIP: 10953
ATTENTION: James Upright
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT PROJECT INFORMATION

PROJECT NAME: Hudson Heritage Development
PROJECT NO.: 5467.01 LOCATION: Dutchess County NY
PROJECT MANAGER: Peter Sutherland
e-mail: JAUpright@tectonicengineering.com
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT BILLING INFORMATION

BILL TO: Tectonic PO#:
ADDRESS: same
CITY: STATE: ZIP:
ATTENTION: Accts Payable PHONE: same

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☒ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

1 VOCs (8260) TCL + 10 TICs
2 Cyanide, Mercury
3 TAL Metals
4 PCB
5 Pesticides (TCL)
6 SVOCs (8270) BNA TCL + 20 TICs
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (E)	2 (E)	3 (E)	4 (E)	5 (E)	6 (E)	7	8	9	COMMENTS
1.	Liberty TS-4S	S	X		5/3/10	2:40	1		X	X	X	X	X				
2.	Liberty TS-5NG	S		X	5/3/10	2:45	1	X									
3.	Liberty TS-5N	S	X		5/3/10	2:50	1		X	X	X	X	X				
4.	Liberty TS-6NG	S		X	5/3/10	2:55	1	X									
5.	Liberty TS-6N	S	X		5/3/10	3:00	1		X	X	X	X	X				
6.	Liberty TS-7NG	S		X	5/3/10	3:05	1	X									
7.	Liberty TS-7N	S	X		5/3/10	3:10	1		X	X	X	X	X				
8.	Liberty TS-8NG	S		X	5/3/10	3:15	1	X									
9.	Liberty TS-8N	S	X		5/3/10	3:20	1		X	X	X	X	X				
10.																	

← Specify Preservatives
A-HCl B-HNO_3
C-H_2SO_4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. James Upright	5/5/10 9:50	1.
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME 5/5/10 9:50	RECEIVED FOR LAB BY 3. Ken Rivera

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: yes

Page 5 of 5

SHIPPED VIA: CLIENT: ☒ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	11.8	Analytical Method :	9012 Cyanide
DataFile :	lb49709.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.567	0.567	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	11.8	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.036		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	11.8	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	13700		mg/Kg	0.95	5.670	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.63	2.830	1	
7440-38-2	Arsenic	4.660		mg/Kg	0.37	1.130	1	
7440-39-3	Barium	44.4		mg/Kg	0.45	5.670	1	
7440-41-7	Beryllium	0.53		mg/Kg	0.07	0.34	1	
7440-43-9	Cadmium	0.64		mg/Kg	0.07	0.34	1	
7440-70-2	Calcium	8840		mg/Kg	1.210	113	1	
7440-47-3	Chromium	15.8		mg/Kg	0.15	0.57	1	
7440-48-4	Cobalt	9.670		mg/Kg	0.65	1.700	1	
7440-50-8	Copper	18.4		mg/Kg	0.36	1.130	1	
7439-89-6	Iron	23600		mg/Kg	1.510	5.670	1	
7439-92-1	Lead	18.9		mg/Kg	0.44	0.68	1	
7439-95-4	Magnesium	10300		mg/Kg	5.190	113	1	
7439-96-5	Manganese	863		mg/Kg	0.22	1.130	1	
7440-02-0	Nickel	20.1		mg/Kg	0.52	2.270	1	
7440-09-7	Potassium	961		mg/Kg	3.970	113	1	
7782-49-2	Selenium	1.030	J	mg/Kg	0.46	1.130	1	
7440-22-4	Silver	ND	U	mg/Kg	0.17	0.57	1	
7440-23-5	Sodium	103	J	mg/Kg	2.860	113	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.31	2.270	1	
7440-62-2	Vanadium	25.1		mg/Kg	0.67	2.270	1	
7440-66-6	Zinc	49.0		mg/Kg	0.79	2.270	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	12	Analytical Method :	EPA SW-846 8082
DataFile :	P6039345.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.2	19	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.2	19	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.4	19	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.4	19	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.2	19	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.3	19	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.2	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	12	Analytical Method :	EPA SW-846 8081
DataFile :	P7048414.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.15	1.9	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.20	1.9	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.9	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.17	1.9	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.16	1.9	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.9	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.18	1.9	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.17	1.9	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.15	1.9	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.23	1.9	1	
72-20-8	Endrin	ND	U	ug/Kg	0.20	1.9	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.16	1.9	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.19	1.9	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.17	1.9	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.16	1.9	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.19	1.9	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.15	1.9	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.17	1.9	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.16	1.9	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.15	1.9	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	11	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	12	Analytical Method :	EPA SW-846 8270
DataFile :	BF036879.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	290	J	ug/Kg	20	370	1	
108-95-2	Phenol	ND	U	ug/Kg	8.7	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	18	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	20	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	20	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	16	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	12	370	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	20	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	19	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	17	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	14	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	18	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	21	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	22	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	14	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	13	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	27	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	14	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	18	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	17	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	9.5	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.2	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	12	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	26	370	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	14	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	12	Analytical Method :	EPA SW-846 8270
DataFile :	BF036879.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.6	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	17	370	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	10	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	9.5	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	15	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	24	370	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	38	370	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	70	370	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	15	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.9	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	20	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	14	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	49	370	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	22	370	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.1	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.4	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	15	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	20	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	26	370	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	10	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.7	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.3	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	30	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-01
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-4S
% Moisture :	12	Analytical Method :	EPA SW-846 8270
DataFile :	BF036879.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.6	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	9.1	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	18	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	24	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	18	370	1	
218-01-9	Chrysene	ND	U	ug/Kg	17	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.3	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	18	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.2	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	13	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	15	370	1	
83-47-6	.gamma.-Sitosterol	450	J	ug/Kg	0	0	1	TIC
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	A	ug/Kg	0	0	1	TIC
527-84-4	Benzene, 1-methyl-2-(1-methylethyl	270	J	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	310	J	ug/Kg	0	0	1	TIC
55282-16-1	Docosane, 5-butyl-	93	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	110	J	ug/Kg	0	0	1	TIC
13287-24-6	Nonadecane, 9-methyl-	86	J	ug/Kg	0	0	1	TIC
57-11-4	Octadecanoic acid	92	J	ug/Kg	0	0	1	TIC
	unknown12.74	100	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-02
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5NG
% Moisture :	13	Analytical Method :	EPA SW846 8260
DataFile :	VI031080.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.75	5.7	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.99	5.7	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.7	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.8	5.7	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.7	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.7	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.7	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.7	1	
67-64-1	Acetone	ND	U	ug/Kg	3.5	29	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.7	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.7	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.7	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.7	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.79	5.7	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.7	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.2	5.7	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.6	29	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.7	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.0	5.7	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.85	5.7	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.0	5.7	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.7	1	
71-43-2	Benzene	ND	U	ug/Kg	0.44	5.7	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.74	5.7	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.99	5.7	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.30	5.7	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-02
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5NG
% Moisture :	13	Analytical Method :	EPA SW846 8260
DataFile :	VI031080.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.71	5.7	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.4	29	1	
108-88-3	Toluene	ND	U	ug/Kg	0.74	5.7	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.91	5.7	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.7	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.7	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.5	29	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.62	5.7	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.74	5.7	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.2	5.7	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.57	5.7	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.71	5.7	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.83	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.78	5.7	1	
100-42-5	Styrene	ND	U	ug/Kg	0.52	5.7	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.85	5.7	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.55	5.7	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.53	5.7	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.43	5.7	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.47	5.7	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.71	5.7	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	1.0	5.7	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.80	5.7	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	16.5	Analytical Method :	9012 Cyanide
DataFile :	lb49709.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.599	0.599	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	16.5	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.041		mg/Kg	0.002	0.012	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	16.5	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	15900		mg/Kg	0.90	5.350	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.60	2.670	1	
7440-38-2	Arsenic	4.490		mg/Kg	0.35	1.070	1	
7440-39-3	Barium	52.0		mg/Kg	0.43	5.350	1	
7440-41-7	Beryllium	0.63		mg/Kg	0.06	0.32	1	
7440-43-9	Cadmium	0.64		mg/Kg	0.06	0.32	1	
7440-70-2	Calcium	1540		mg/Kg	1.140	107	1	
7440-47-3	Chromium	17.8		mg/Kg	0.14	0.53	1	
7440-48-4	Cobalt	9.790		mg/Kg	0.61	1.600	1	
7440-50-8	Copper	16.7		mg/Kg	0.34	1.070	1	
7439-89-6	Iron	23300		mg/Kg	1.420	5.350	1	
7439-92-1	Lead	18.4		mg/Kg	0.42	0.64	1	
7439-95-4	Magnesium	6650		mg/Kg	4.900	107	1	
7439-96-5	Manganese	835		mg/Kg	0.20	1.070	1	
7440-02-0	Nickel	20.3		mg/Kg	0.49	2.140	1	
7440-09-7	Potassium	893		mg/Kg	3.740	107	1	
7782-49-2	Selenium	1.070		mg/Kg	0.44	1.070	1	
7440-22-4	Silver	ND	U	mg/Kg	0.16	0.53	1	
7440-23-5	Sodium	91.0	J	mg/Kg	2.690	107	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.29	2.140	1	
7440-62-2	Vanadium	28.6		mg/Kg	0.63	2.140	1	
7440-66-6	Zinc	52.2		mg/Kg	0.75	2.140	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	17	Analytical Method :	EPA SW-846 8082
DataFile :	P6039346.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.5	20	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.5	20	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.8	20	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.5	20	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.5	20	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.6	20	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.5	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	17	Analytical Method :	EPA SW-846 8081
DataFile :	P7048415.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.16	2.0	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.22	2.0	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.12	2.0	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.18	2.0	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.17	2.0	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.12	2.0	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.19	2.0	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.18	2.0	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.16	2.0	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.24	2.0	1	
72-20-8	Endrin	ND	U	ug/Kg	0.22	2.0	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.17	2.0	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.20	2.0	1	
1031-07-8	Endosulfan Sulfate	1.2	J	ug/Kg	0.18	2.0	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.17	2.0	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.20	2.0	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.16	2.0	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.18	2.0	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.17	2.0	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.16	2.0	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	12	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	16	Analytical Method :	EPA SW-846 8270
DataFile :	BF036831.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	21	390	1	
108-95-2	Phenol	ND	U	ug/Kg	9.2	390	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	19	390	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	21	390	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	22	390	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	16	390	1	
98-86-2	Acetophenone	ND	U	ug/Kg	12	390	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	21	390	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	20	390	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	18	390	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	15	390	1	
78-59-1	Isophorone	ND	U	ug/Kg	13	390	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	19	390	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	22	390	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	23	390	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	15	390	1	
91-20-3	Naphthalene	ND	U	ug/Kg	14	390	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	28	390	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	14	390	1	
105-60-2	Caprolactam	ND	U	ug/Kg	18	390	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	18	390	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	10	390	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.6	390	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	12	390	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	28	390	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	15	390	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	16	Analytical Method :	EPA SW-846 8270
DataFile :	BF036831.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	9.0	390	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	18	390	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	11	390	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	10	390	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	16	390	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	25	390	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	390	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	40	390	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	74	390	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	15	390	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	12	390	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	6.2	390	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	22	390	1	
86-73-7	Fluorene	ND	U	ug/Kg	15	390	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	52	390	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	23	390	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.5	390	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.7	390	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	16	390	1	
1912-24-9	Atrazine	ND	U	ug/Kg	21	390	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	27	390	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	11	390	1	
120-12-7	Anthracene	ND	U	ug/Kg	8.1	390	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.7	390	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	31	390	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-03
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-5N
% Moisture :	16	Analytical Method :	EPA SW-846 8270
DataFile :	BF036831.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	8.0	390	1	
129-00-0	Pyrene	ND	U	ug/Kg	9.5	390	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	19	390	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	25	390	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	19	390	1	
218-01-9	Chrysene	ND	U	ug/Kg	18	390	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	14	390	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.5	390	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	13	390	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	19	390	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.6	390	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	13	390	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	390	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	16	390	1	
83-47-6	.gamma.-Sitosterol	160	J	ug/Kg	0	0	1	TIC
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	AB	ug/Kg	0	0	1	TIC
1000297-24-5	3-[(2-Methyl-5-nitro-phenylimino)-	99	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	89	J	ug/Kg	0	0	1	TIC
	unknown19.93	470	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-04
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6NG
% Moisture :	16	Analytical Method :	EPA SW846 8260
DataFile :	VI031089.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.77	5.9	1	
74-87-3	Chloromethane	ND	U	ug/Kg	1.0	5.9	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.5	5.9	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.9	5.9	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.7	5.9	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.6	5.9	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.6	5.9	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.9	1	
67-64-1	Acetone	ND	U	ug/Kg	3.6	30	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.3	5.9	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.9	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.8	5.9	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.7	5.9	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.82	5.9	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.9	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.2	5.9	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.7	30	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.2	5.9	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.1	5.9	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.88	5.9	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.0	5.9	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.3	5.9	1	
71-43-2	Benzene	ND	U	ug/Kg	0.45	5.9	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.76	5.9	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.0	5.9	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.31	5.9	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-04
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6NG
% Moisture :	16	Analytical Method :	EPA SW846 8260
DataFile :	VI031089.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.74	5.9	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.5	30	1	
108-88-3	Toluene	ND	U	ug/Kg	0.76	5.9	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.94	5.9	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.85	5.9	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.1	5.9	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.6	30	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.64	5.9	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.76	5.9	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.2	5.9	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.59	5.9	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.74	5.9	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.85	12	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.81	5.9	1	
100-42-5	Styrene	ND	U	ug/Kg	0.53	5.9	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.88	5.9	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.57	5.9	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.55	5.9	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.44	5.9	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.49	5.9	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.74	5.9	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	1.0	5.9	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.83	5.9	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16.1	Analytical Method :	9012 Cyanide
DataFile :	lb49709.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.595	0.595	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16.1	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.046		mg/Kg	0.002	0.012	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16.1	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	15200		mg/Kg	0.82	4.880	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.55	2.440	1	
7440-38-2	Arsenic	4.500		mg/Kg	0.32	0.98	1	
7440-39-3	Barium	55.9		mg/Kg	0.39	4.880	1	
7440-41-7	Beryllium	0.61		mg/Kg	0.06	0.29	1	
7440-43-9	Cadmium	0.73		mg/Kg	0.06	0.29	1	
7440-70-2	Calcium	1640		mg/Kg	1.050	97.7	1	
7440-47-3	Chromium	16.9		mg/Kg	0.13	0.49	1	
7440-48-4	Cobalt	9.770		mg/Kg	0.56	1.470	1	
7440-50-8	Copper	16.0		mg/Kg	0.31	0.98	1	
7439-89-6	Iron	24000		mg/Kg	1.300	4.880	1	
7439-92-1	Lead	18.2		mg/Kg	0.38	0.59	1	
7439-95-4	Magnesium	6810		mg/Kg	4.470	97.7	1	
7439-96-5	Manganese	893		mg/Kg	0.19	0.98	1	
7440-02-0	Nickel	21.2		mg/Kg	0.45	1.950	1	
7440-09-7	Potassium	795		mg/Kg	3.420	97.7	1	
7782-49-2	Selenium	1.440		mg/Kg	0.40	0.98	1	
7440-22-4	Silver	ND	U	mg/Kg	0.15	0.49	1	
7440-23-5	Sodium	79.3	J	mg/Kg	2.460	97.7	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.26	1.950	1	
7440-62-2	Vanadium	26.5		mg/Kg	0.58	1.950	1	
7440-66-6	Zinc	52.7		mg/Kg	0.68	1.950	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16	Analytical Method :	EPA SW-846 8082
DataFile :	P6039347.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.4	20	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.4	20	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.7	20	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.5	20	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.5	20	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.6	20	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.4	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16	Analytical Method :	EPA SW-846 8081
DataFile :	P7048416.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.15	2.0	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.21	2.0	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.12	2.0	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.18	2.0	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.17	2.0	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.12	2.0	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.19	2.0	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.18	2.0	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.15	2.0	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.24	2.0	1	
72-20-8	Endrin	ND	U	ug/Kg	0.21	2.0	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.17	2.0	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.20	2.0	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.18	2.0	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.17	2.0	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.20	2.0	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.15	2.0	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.18	2.0	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.17	2.0	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.15	2.0	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	12	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16	Analytical Method :	EPA SW-846 8270
DataFile :	BF036878.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	21	390	1	
108-95-2	Phenol	ND	U	ug/Kg	9.1	390	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	19	390	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	21	390	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	22	390	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	16	390	1	
98-86-2	Acetophenone	ND	U	ug/Kg	12	390	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	21	390	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	20	390	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	18	390	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	15	390	1	
78-59-1	Isophorone	ND	U	ug/Kg	13	390	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	19	390	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	22	390	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	23	390	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	15	390	1	
91-20-3	Naphthalene	ND	U	ug/Kg	14	390	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	28	390	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	14	390	1	
105-60-2	Caprolactam	ND	U	ug/Kg	18	390	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	18	390	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	10	390	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.6	390	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	12	390	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	28	390	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	15	390	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16	Analytical Method :	EPA SW-846 8270
DataFile :	BF036878.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	9.0	390	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	18	390	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	11	390	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	10	390	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	16	390	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	25	390	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	390	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	40	390	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	74	390	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	15	390	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	12	390	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	6.2	390	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	22	390	1	
86-73-7	Fluorene	ND	U	ug/Kg	15	390	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	52	390	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	23	390	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.5	390	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.7	390	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	16	390	1	
1912-24-9	Atrazine	ND	U	ug/Kg	21	390	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	27	390	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	11	390	1	
120-12-7	Anthracene	ND	U	ug/Kg	8.1	390	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.7	390	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	31	390	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-05
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-6N
% Moisture :	16	Analytical Method :	EPA SW-846 8270
DataFile :	BF036878.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	8.0	390	1	
129-00-0	Pyrene	ND	U	ug/Kg	9.5	390	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	19	390	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	25	390	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	19	390	1	
218-01-9	Chrysene	ND	U	ug/Kg	18	390	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	14	390	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.5	390	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	13	390	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	19	390	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.6	390	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	13	390	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	390	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	16	390	1	
83-47-6	.gamma.-Sitosterol	200	J	ug/Kg	0	0	1	TIC
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	A	ug/Kg	0	0	1	TIC
559-74-0	Friedelan-3-one	450	J	ug/Kg	0	0	1	TIC
	unknown12.49	120	J	ug/Kg	0	0	1	TIC
	unknown12.74	99	J	ug/Kg	0	0	1	TIC
	unknown19.31	80	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-06
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7NG
% Moisture :	24	Analytical Method :	EPA SW846 8260
DataFile :	VI031082.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.85	6.5	1	
74-87-3	Chloromethane	ND	U	ug/Kg	1.1	6.5	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.6	6.5	1	
74-83-9	Bromomethane	ND	U	ug/Kg	3.2	6.5	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.8	6.5	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.7	6.5	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.7	6.5	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.9	6.5	1	
67-64-1	Acetone	ND	U	ug/Kg	3.9	33	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.4	6.5	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.3	6.5	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	2.0	6.5	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.9	6.5	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.90	6.5	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.2	6.5	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.3	6.5	1	
78-93-3	2-Butanone	ND	U	ug/Kg	4.1	33	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.3	6.5	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.2	6.5	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.97	6.5	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.2	6.5	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.4	6.5	1	
71-43-2	Benzene	ND	U	ug/Kg	0.50	6.5	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.84	6.5	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.1	6.5	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.34	6.5	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-06
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7NG
% Moisture :	24	Analytical Method :	EPA SW846 8260
DataFile :	VI031082.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.81	6.5	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.8	33	1	
108-88-3	Toluene	ND	U	ug/Kg	0.84	6.5	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	1.0	6.5	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.94	6.5	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.2	6.5	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	5.1	33	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.71	6.5	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.84	6.5	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.3	6.5	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.65	6.5	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.81	6.5	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.94	13	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.89	6.5	1	
100-42-5	Styrene	ND	U	ug/Kg	0.59	6.5	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.97	6.5	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.63	6.5	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.60	6.5	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.48	6.5	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.54	6.5	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.81	6.5	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	1.1	6.5	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.92	6.5	1	
000110-54-3	Hexane	8.2	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	16.7	Analytical Method :	9012 Cyanide
DataFile :	lb49709.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.600	0.600	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	16.7	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.048		mg/Kg	0.002	0.012	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	16.7	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	15300		mg/Kg	0.98	5.830	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.65	2.910	1	
7440-38-2	Arsenic	4.720		mg/Kg	0.38	1.170	1	
7440-39-3	Barium	49.7		mg/Kg	0.47	5.830	1	
7440-41-7	Beryllium	0.63		mg/Kg	0.07	0.35	1	
7440-43-9	Cadmium	0.57		mg/Kg	0.07	0.35	1	
7440-70-2	Calcium	2390		mg/Kg	1.250	117	1	
7440-47-3	Chromium	17.5		mg/Kg	0.15	0.58	1	
7440-48-4	Cobalt	10.4		mg/Kg	0.66	1.750	1	
7440-50-8	Copper	15.8		mg/Kg	0.37	1.170	1	
7439-89-6	Iron	25800		mg/Kg	1.550	5.830	1	
7439-92-1	Lead	19.0		mg/Kg	0.45	0.70	1	
7439-95-4	Magnesium	7140		mg/Kg	5.340	117	1	
7439-96-5	Manganese	896		mg/Kg	0.22	1.170	1	
7440-02-0	Nickel	21.3		mg/Kg	0.54	2.330	1	
7440-09-7	Potassium	832		mg/Kg	4.080	117	1	
7782-49-2	Selenium	0.97	J	mg/Kg	0.48	1.170	1	
7440-22-4	Silver	ND	U	mg/Kg	0.17	0.58	1	
7440-23-5	Sodium	88.0	J	mg/Kg	2.940	117	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.31	2.330	1	
7440-62-2	Vanadium	28.2		mg/Kg	0.69	2.330	1	
7440-66-6	Zinc	53.4		mg/Kg	0.82	2.330	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	17	Analytical Method :	EPA SW-846 8082
DataFile :	P6039348.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.5	20	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.5	20	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.8	20	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.5	20	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.5	20	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.6	20	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.5	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	17	Analytical Method :	EPA SW-846 8081
DataFile :	P7048417.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.16	2.0	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.22	2.0	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.12	2.0	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.18	2.0	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.17	2.0	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.12	2.0	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.19	2.0	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.18	2.0	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.16	2.0	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.24	2.0	1	
72-20-8	Endrin	ND	U	ug/Kg	0.22	2.0	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.17	2.0	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.20	2.0	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.18	2.0	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.17	2.0	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.20	2.0	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.16	2.0	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.18	2.0	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.17	2.0	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.16	2.0	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	12	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	17	Analytical Method :	EPA SW-846 8270
DataFile :	BF036877.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	21	400	1	
108-95-2	Phenol	ND	U	ug/Kg	9.3	400	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	19	400	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	21	400	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	22	400	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	17	400	1	
98-86-2	Acetophenone	ND	U	ug/Kg	12	400	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	21	400	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	20	400	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	18	400	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	15	400	1	
78-59-1	Isophorone	ND	U	ug/Kg	13	400	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	19	400	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	23	400	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	23	400	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	15	400	1	
91-20-3	Naphthalene	ND	U	ug/Kg	14	400	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	28	400	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	15	400	1	
105-60-2	Caprolactam	ND	U	ug/Kg	19	400	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	18	400	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	10	400	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.7	400	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	12	400	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	28	400	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	15	400	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	17	Analytical Method :	EPA SW-846 8270
DataFile :	BF036877.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	9.1	400	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	18	400	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	11	400	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	10	400	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	16	400	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	26	400	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	400	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	41	400	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	74	400	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	16	400	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	12	400	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	6.2	400	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	22	400	1	
86-73-7	Fluorene	ND	U	ug/Kg	15	400	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	52	400	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	23	400	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.6	400	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.8	400	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	16	400	1	
1912-24-9	Atrazine	ND	U	ug/Kg	21	400	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	27	400	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	11	400	1	
120-12-7	Anthracene	ND	U	ug/Kg	8.2	400	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.8	400	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	31	400	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-07
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-7N
% Moisture :	17	Analytical Method :	EPA SW-846 8270
DataFile :	BF036877.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	8.1	400	1	
129-00-0	Pyrene	ND	U	ug/Kg	9.6	400	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	19	400	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	26	400	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	19	400	1	
218-01-9	Chrysene	ND	U	ug/Kg	18	400	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	14	400	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.6	400	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	13	400	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	19	400	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.7	400	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	13	400	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	12	400	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	16	400	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1100	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	110	J	ug/Kg	0	0	1	TIC
	unknown12.74	87	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-08
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8NG
% Moisture :	15	Analytical Method :	EPA SW846 8260
DataFile :	VI031083.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.76	5.9	1	
74-87-3	Chloromethane	ND	U	ug/Kg	1.0	5.9	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.9	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.9	5.9	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.9	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.6	5.9	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.6	5.9	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.9	1	
67-64-1	Acetone	ND	U	ug/Kg	3.6	29	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.9	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.9	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.8	5.9	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.7	5.9	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.81	5.9	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.9	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.2	5.9	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.7	29	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.2	5.9	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.0	5.9	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.87	5.9	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.0	5.9	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.9	1	
71-43-2	Benzene	ND	U	ug/Kg	0.45	5.9	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.75	5.9	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.0	5.9	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.31	5.9	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2145-08
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8NG
% Moisture :	15	Analytical Method :	EPA SW846 8260
DataFile :	VI031083.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.73	5.9	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.4	29	1	
108-88-3	Toluene	ND	U	ug/Kg	0.75	5.9	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.93	5.9	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.85	5.9	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.1	5.9	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.6	29	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.64	5.9	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.75	5.9	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.2	5.9	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.59	5.9	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.73	5.9	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.85	12	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.80	5.9	1	
100-42-5	Styrene	ND	U	ug/Kg	0.53	5.9	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.87	5.9	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.56	5.9	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.54	5.9	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.44	5.9	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.48	5.9	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.73	5.9	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	1.0	5.9	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.82	5.9	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	14.8	Analytical Method :	9012 Cyanide
DataFile :	lb49709.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.587	0.587	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	14.8	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.038		mg/Kg	0.002	0.012	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	14.8	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	14100		mg/Kg	0.76	4.550	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.51	2.270	1	
7440-38-2	Arsenic	4.540		mg/Kg	0.30	0.91	1	
7440-39-3	Barium	45.1		mg/Kg	0.36	4.550	1	
7440-41-7	Beryllium	0.57		mg/Kg	0.05	0.27	1	
7440-43-9	Cadmium	0.63		mg/Kg	0.05	0.27	1	
7440-70-2	Calcium	3260		mg/Kg	0.97	91.0	1	
7440-47-3	Chromium	16.1		mg/Kg	0.12	0.45	1	
7440-48-4	Cobalt	9.110		mg/Kg	0.52	1.360	1	
7440-50-8	Copper	15.5		mg/Kg	0.29	0.91	1	
7439-89-6	Iron	23100		mg/Kg	1.210	4.550	1	
7439-92-1	Lead	16.9		mg/Kg	0.35	0.55	1	
7439-95-4	Magnesium	7230		mg/Kg	4.170	91.0	1	
7439-96-5	Manganese	813		mg/Kg	0.17	0.91	1	
7440-02-0	Nickel	20.0		mg/Kg	0.42	1.820	1	
7440-09-7	Potassium	734		mg/Kg	3.180	91.0	1	
7782-49-2	Selenium	0.66	J	mg/Kg	0.37	0.91	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.45	1	
7440-23-5	Sodium	66.8	J	mg/Kg	2.290	91.0	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.25	1.820	1	
7440-62-2	Vanadium	25.2		mg/Kg	0.54	1.820	1	
7440-66-6	Zinc	48.5		mg/Kg	0.64	1.820	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	15	Analytical Method :	EPA SW-846 8082
DataFile :	P6039349.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.4	20	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.4	20	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.6	20	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.5	20	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.4	20	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.5	20	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.4	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	15	Analytical Method :	EPA SW-846 8081
DataFile :	P7048418.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.15	2.0	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.21	2.0	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.12	2.0	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.18	2.0	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.16	2.0	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.12	2.0	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.19	2.0	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.18	2.0	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.15	2.0	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.23	2.0	1	
72-20-8	Endrin	ND	U	ug/Kg	0.21	2.0	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.16	2.0	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.20	2.0	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.18	2.0	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.16	2.0	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.20	2.0	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.15	2.0	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.18	2.0	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.16	2.0	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.15	2.0	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	11	20	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	15	Analytical Method :	EPA SW-846 8270
DataFile :	BF036876.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	20	390	1	
108-95-2	Phenol	ND	U	ug/Kg	9.0	390	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	19	390	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	21	390	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	21	390	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	16	390	1	
98-86-2	Acetophenone	ND	U	ug/Kg	12	390	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	20	390	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	20	390	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	17	390	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	15	390	1	
78-59-1	Isophorone	ND	U	ug/Kg	13	390	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	19	390	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	22	390	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	23	390	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	15	390	1	
91-20-3	Naphthalene	ND	U	ug/Kg	13	390	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	28	390	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	14	390	1	
105-60-2	Caprolactam	ND	U	ug/Kg	18	390	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	17	390	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	9.8	390	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.5	390	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	12	390	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	27	390	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	15	390	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	15	Analytical Method :	EPA SW-846 8270
DataFile :	BF036876.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.9	390	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	17	390	1	
131-11-3	Dimethylphthalate	100	J	ug/Kg	11	390	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	9.8	390	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	16	390	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	25	390	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	11	390	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	40	390	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	73	390	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	15	390	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	12	390	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	6.1	390	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	21	390	1	
86-73-7	Fluorene	ND	U	ug/Kg	15	390	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	51	390	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	22	390	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	9.4	390	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.6	390	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	16	390	1	
1912-24-9	Atrazine	ND	U	ug/Kg	21	390	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	27	390	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	11	390	1	
120-12-7	Anthracene	ND	U	ug/Kg	8.0	390	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.6	390	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	31	390	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2145-09
SDG ID :	B2145	Customer Sample No. :	LIBORTYTS-8N
% Moisture :	15	Analytical Method :	EPA SW-846 8270
DataFile :	BF036876.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.9	390	1	
129-00-0	Pyrene	ND	U	ug/Kg	9.4	390	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	19	390	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	25	390	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	19	390	1	
218-01-9	Chrysene	ND	U	ug/Kg	18	390	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	14	390	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.5	390	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	13	390	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	18	390	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.4	390	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	13	390	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	390	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	16	390	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	950	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	83	J	ug/Kg	0	0	1	TIC
1000214-20-7	Stigmasterol, 22,23-dihydro-	110	J	ug/Kg	0	0	1	TIC
	unknown12.75	82	J	ug/Kg	0	0	1	TIC

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Page

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Project #: B2145
5/12/2010 3:56:01 PM
End Of Report

TECTONIC

DAILY FIELD REPORT

W.O.NO.: 5467.02 | PAGE 1 OF 3
REPORT NO.: | DATE: 5/13/10

■ 70 Pleasant Hill Rd, PO Box 37 Mountainville, NY 10953 Phone: 845-534-5959 Fax: 845-534-5655

☐ 36 British American Boulevard Suite 101 Latham, NY 12110 Phone: 518-783-1630 Fax: 518-783-1544

☐ 1344 Silas Deane Highway Suite 500 Rocky Hill, CT 06067 Phone: 860-563-2341 Fax: 860-257-4882

☐ 29-16 40th Avenue Long Island City, NY 11101 Phone: 716-391-92001 Fax: 716-567-8703

CLIENT: Hudson Heritage Development, LLC

PROJECT NAME: Hudson Heritage

TECTONIC PROJECT MANAGER: Peter Sutherland, P.E.

TECTONIC FIELD REPRESENTATIVE: James Upright, P.E.

LOCATION: Redwing Quarry, Milan, NY

GENERAL CONTRACTOR: Scavo Contractors

GENERAL CONTRACTOR'S REPRESENTATIVE: Eric Hansen

OWNER: Redwing Quarry

SPECIALTY CONTRACTOR: ☐ EARTH ☐ CONCRETE ☐ STEEL ☐ OTHER

PLANS AND SPECIFICATIONS
BY
DATE

CONTRACTOR'S EQUIPMENT OBSERVED IN USE:

SHOP DRAWINGS
TYPE
APP. BY

VISITORS: REPRESENTING: ARR. DPT.

SAMPLES
TYPE grab QTY 8
composite 8

PHOTOS ☐
QTY

WEATHER: Overcast, Windy, humid

TEMP. (°F) 70°

CONSTRUCTION ACTIVITIES: INDICATE ACTIVITIES MONITORED

Arrived at Redwing Quarry to sample "highway Sand" blend for use at the Hudson Heritage landfill closure. Met with quarry foreman, Bob, who brought me to the stockpile of highway sand that Redwing proposes to supply. Bob indicated that the material is typically used by highway departments for winter road sanding. Pile was oriented roughly north-south. Laid out 4 sections on both the east and west side of stockpile. Material was a coarse to fine sand with trace amounts of Silt. One location in each section was attempted to dig into with hand shovel to a depth of 1 foot although material flowed rapidly down into any excavation. Using a dedicated plastic scoop at each location a sample of sand was transferred directly into a 4oz laboratory pre-cleaned glassware. The sample was capped, labeled and placed into cooler with ice. Then a composite sample was collected by grabbing a scoop of sand from 6 locations and placing into a ziplock bag. The locations were at and within 5 feet of grab sample. The material was blended and one 8oz laboratory pre-cleaned glassware was filled with the composited sand. The jar was labelled and placed in the cooler with ice. A plan showing the approximate locations is attached as well as an aerial photo showing the stockpile locations.

FORMS ATTACHED:

☐ SOIL COMPACTION ☐ PRE-POUR INSPECTION ☐ STRUCTURAL STEEL
☐ NON-CONFORMANCE REPORT ☐ CONCRETE INSPECTION ☒ OTHER: aerial photo, sample location sketch

FOLLOW-UP FROM PRIOR REPORT ☐ YES ☐ NO DATE OF PRIOR REPORT

NON-CONFORMANCE CORRECTED:

WHAT, IN PARTICULAR, SHOULD BE OBSERVED, CHECKED, OR TESTED DURING THE NEXT VISIT?

NOTICE

The field representative is on the site solely to observe operations of the contractor identified, observe conformance with contract document, and report those operations to the client. The presence and activities of the field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.

☒ THIS DFR IS PRELIMINARY

This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

☐ THIS DFR IS FINAL

A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

FIELD REPRESENTATIVE: James Upright DATE: 5/13/10

REVIEWED BY: Peter T. Sutherland DATE: 5/14/10

Redwing "Roe-Jan" Quarry

Milan, NY

5/3/2010 9:06AM

Overview

Map Layers

0 250 500
feet

5467.02

Page 2 of 3

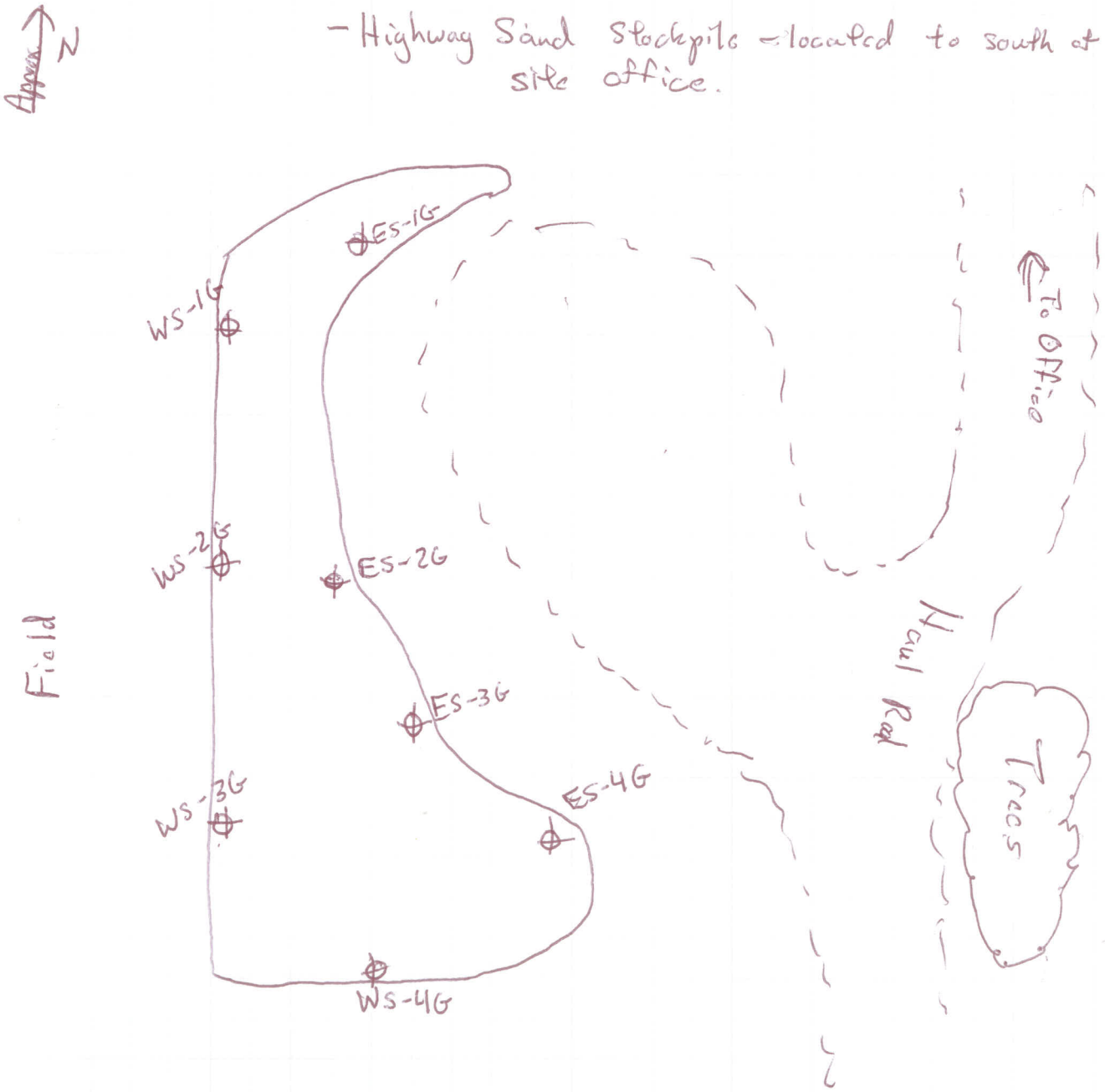
TECTONIC

Mountainville, NY
Albany, NY
Cincinnati, OH
Hartford, CT
Northborough, MA
Richmond, VA
(800) 829-6531

JOB 5467.02
SHEET NO. 3 OF 3
CALCULATED BY JAU DATE 5/3/10
CHECKED BY PB DATE 5/14/10
SCALE NTS

Redwing "ROE-JAN" Quarry

- Highway Sand Stockpile - located to south of site office.



⊕ - approximate sampling location
grab sample collected in center with composite collected at locations within 5' feet of each grab location

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. B2143
QUOTE NO.
COC Number 088771

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Tectonic Engineering
ADDRESS: 70 Pleasant Hill Rd
CITY: Mountainville STATE: NY ZIP: 10953
ATTENTION: James Upright
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT PROJECT INFORMATION

PROJECT NAME: Hudson Heritage Development
PROJECT NO.: 546701 LOCATION: Dutchess County
PROJECT MANAGER: Peter Sutherland
e-mail: JAllpright@tectonicengineering.com
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT BILLING INFORMATION

BILL TO: Tectonic PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: Accts Payable PHONE: Same

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☒ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

1 VOCs (8260 + 10 TICs) (TCL) 2 Cyanide, Mercury 3 TAL Metals 4 PCB 5 Pesticides TCL 6 SVOC (8270) BNA TCL + 20 TICs 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
							PRESERVATIVES	E	E	E	E	E	E				← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	HS ES-1G	S		X	5/3/10	10:06	1	X									
2.	HS ES-1	S	X		5/3/10	10:00	1		X	X	X	X	X				
3.	HS ES-2G	S		X	5/3/10	9:48	1	X									
4.	HS ES-2	S	X		5/3/10	9:45	1		X	X	X	X	X				
5.	HS ES-3G	S		X	5/3/10	9:38	1	X									
6.	HS ES-3	S	X		5/3/10	9:35	1		X	X	X	X	X				
7.	HS ES-4G	S		X	5/3/10	9:28	1	X									
8.	HS ES-4	S	X		5/3/10	9:25	1		X	X	X	X	X				
9.	HS WS-1G	S		X	5/3/10	10:16	1	X									
10.	HS WS-1	S	X		5/3/10	10:10	1		X	X	X	X	X				

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. James Upright	5/5/10 9:50	1.
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3.	DATE/TIME: 5/5/10 9:50	RECEIVED FOR LAB BY: 3. Ken Rivera

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: yes

Page 1 of 5

SHIPPED VIA: CLIENT: ☒ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. B2143
QUOTE NO.
COC Number 088834

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Tectonic Engineering
ADDRESS: 70 Pleasant Hill Rd
CITY: Mountainville STATE: NY ZIP: 10953
ATTENTION: James Upright
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT PROJECT INFORMATION

PROJECT NAME: Hudson Heritage Development
PROJECT NO.: 5467.01 LOCATION: Dutchess County NY
PROJECT MANAGER: Peter Sutherland
e-mail: JAUpright@tectonicengineering.com
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT BILLING INFORMATION

BILL TO: Tectonic PO#:
ADDRESS: same
CITY: STATE: ZIP:
ATTENTION: Accts Payable PHONE: same

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☒ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

1 VOCs TCL (8260 + 10 TICs)
2 Cyanide, Mercury
3 TAL Metals
4 PCB
5 Pesticide TCL
6 SVOC TCL (8270 BNA) + 20 TICs
7
8
9

PRESERVATIVES

	1	2	3	4	5	6	7	8	9
	E	E	E	E	E	E			

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1. 11.	HS WS-2	S	X		5/3/10	10:20	1		X	X	X	X	X			
2. 12.	HS WS-2G	S		X	5/3/10	10:25	1	X								
3. 13.	HS WS-3	S	X		5/3/10	10:30	1		X	X	X	X	X			
4. 14.	HS WS-3G	S		X	5/3/10	10:36	1	X								
5. 15.	HS WS-4	S	X		5/3/10	10:40	1		X	X	X	X	X			
6. 16.	HS WS-4G	S		X	5/3/10	10:46		X								
7.	~~HS WS~~															
8. 17.	Liberty BPL SE-1G	S		X	5/3/10	12:25	1	X								
9. 18.	Liberty BPL SE-1	S	X		5/3/10	12:30	1		X	X	X	X	X			
10. 19.	Liberty BPL SE-2G	S		X	5/3/10	12:35	1	X								

5/5/10

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. [signature]	5/5/10 9:30	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	5/5/10 9:50	3. Ken Rivera

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: yes

Page 2 of 5

SHIPPED VIA: CLIENT: ☒ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-01
SDG ID :	B2143	Customer Sample No. :	HS-ES-1G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031084.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.68	5.3	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.91	5.3	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.3	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.3	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.3	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.3	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.3	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.5	5.3	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.3	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.3	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.3	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.3	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.73	5.3	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	0.99	5.3	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.3	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.3	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.94	5.3	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.78	5.3	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.93	5.3	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.3	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.3	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.67	5.3	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.91	5.3	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.27	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-01
SDG ID :	B2143	Customer Sample No. :	HS-ES-1G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031084.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.65	5.3	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.67	5.3	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.3	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.76	5.3	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.95	5.3	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.1	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.3	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.67	5.3	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.3	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.53	5.3	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.65	5.3	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.76	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.72	5.3	1	
100-42-5	Styrene	ND	U	ug/Kg	0.47	5.3	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.78	5.3	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.51	5.3	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.48	5.3	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.3	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.43	5.3	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.65	5.3	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.92	5.3	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.74	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	4.5	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.524	0.524	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	4.5	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.019		mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	4.5	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	8280		mg/Kg	0.84	4.990	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.56	2.490	1	
7440-38-2	Arsenic	3.150		mg/Kg	0.33	1.00	1	
7440-39-3	Barium	39.5		mg/Kg	0.40	4.990	1	
7440-41-7	Beryllium	0.36		mg/Kg	0.06	0.30	1	
7440-43-9	Cadmium	0.66		mg/Kg	0.06	0.30	1	
7440-70-2	Calcium	37700		mg/Kg	1.070	99.7	1	
7440-47-3	Chromium	10.1		mg/Kg	0.13	0.50	1	
7440-48-4	Cobalt	6.940		mg/Kg	0.57	1.500	1	
7440-50-8	Copper	15.6		mg/Kg	0.32	1.00	1	
7439-89-6	Iron	20800		mg/Kg	1.330	4.990	1	
7439-92-1	Lead	8.750		mg/Kg	0.39	0.60	1	
7439-95-4	Magnesium	5160		mg/Kg	4.570	99.7	1	
7439-96-5	Manganese	572		mg/Kg	0.19	1.00	1	
7440-02-0	Nickel	18.6		mg/Kg	0.46	1.990	1	
7440-09-7	Potassium	461		mg/Kg	3.490	99.7	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.41	1.00	1	
7440-22-4	Silver	ND	U	mg/Kg	0.15	0.50	1	
7440-23-5	Sodium	80.3	J	mg/Kg	2.510	99.7	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.27	1.990	1	
7440-62-2	Vanadium	11.3		mg/Kg	0.59	1.990	1	
7440-66-6	Zinc	55.3		mg/Kg	0.70	1.990	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	5	Analytical Method :	EPA SW-846 8082
DataFile :	P6039297.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.9	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.8	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.0	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.8	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.9	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.9	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	5	Analytical Method :	EPA SW-846 8081
DataFile :	P7048385.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BE063982.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	340	1	
108-95-2	Phenol	ND	U	ug/Kg	8.0	340	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	340	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	340	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	340	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	340	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	340	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	340	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	17	340	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	15	340	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	340	1	
78-59-1	Isophorone	ND	U	ug/Kg	11	340	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	340	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	340	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	340	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	340	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	340	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	24	340	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	340	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	340	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	15	340	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.7	340	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.4	340	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	340	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	24	340	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BE063982.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	7.9	340	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	15	340	1	
131-11-3	Dimethylphthalate	53	J	ug/Kg	9.3	340	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.7	340	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	340	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	340	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.8	340	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	35	340	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	340	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	13	340	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	10	340	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.4	340	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	340	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	340	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	45	340	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	340	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.3	340	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.7	340	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	340	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	340	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	340	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.3	340	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	340	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.6	340	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-02
SDG ID :	B2143	Customer Sample No. :	HS-ES-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BE063982.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	340	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.3	340	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	340	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	340	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	16	340	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	340	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	340	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	3.9	340	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	340	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	340	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.5	340	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	340	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	340	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	340	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	680	AB	ug/Kg	0	0	1	TIC
	unknown10.19	98	JB	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-03
SDG ID :	B2143	Customer Sample No. :	HS-ES-2G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031085.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.68	5.2	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.90	5.2	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.2	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.2	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.2	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.2	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.2	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.5	5.2	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.2	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.2	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.2	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.2	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.72	5.2	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	0.98	5.2	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.2	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.2	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.2	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.93	5.2	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.77	5.2	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.92	5.2	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.2	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.2	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.67	5.2	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.90	5.2	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.27	5.2	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-03
SDG ID :	B2143	Customer Sample No. :	HS-ES-2G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031085.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.65	5.2	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.0	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.67	5.2	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.82	5.2	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.75	5.2	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.94	5.2	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.1	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.56	5.2	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.67	5.2	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.2	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.52	5.2	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.65	5.2	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.75	10	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.71	5.2	1	
100-42-5	Styrene	ND	U	ug/Kg	0.47	5.2	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.77	5.2	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.50	5.2	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.48	5.2	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.2	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.43	5.2	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.65	5.2	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.91	5.2	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.73	5.2	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	4.599998	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.524	0.524	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	4.599998	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.016		mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	4.599998	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	8410		mg/Kg	0.62	3.690	1	
7440-36-0	Antimony	0.42	J	mg/Kg	0.41	1.850	1	
7440-38-2	Arsenic	3.470		mg/Kg	0.24	0.74	1	
7440-39-3	Barium	49.4		mg/Kg	0.30	3.690	1	
7440-41-7	Beryllium	0.39		mg/Kg	0.04	0.22	1	
7440-43-9	Cadmium	0.83		mg/Kg	0.04	0.22	1	
7440-70-2	Calcium	25000		mg/Kg	0.79	73.8	1	
7440-47-3	Chromium	10.7		mg/Kg	0.10	0.37	1	
7440-48-4	Cobalt	7.660		mg/Kg	0.42	1.110	1	
7440-50-8	Copper	15.3		mg/Kg	0.24	0.74	1	
7439-89-6	Iron	21300		mg/Kg	0.98	3.690	1	
7439-92-1	Lead	10.8		mg/Kg	0.29	0.44	1	
7439-95-4	Magnesium	6190		mg/Kg	3.380	73.8	1	
7439-96-5	Manganese	588		mg/Kg	0.14	0.74	1	
7440-02-0	Nickel	20.4		mg/Kg	0.34	1.480	1	
7440-09-7	Potassium	425		mg/Kg	2.580	73.8	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.30	0.74	1	
7440-22-4	Silver	ND	U	mg/Kg	0.11	0.37	1	
7440-23-5	Sodium	69.6	J	mg/Kg	1.860	73.8	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.20	1.480	1	
7440-62-2	Vanadium	11.8		mg/Kg	0.44	1.480	1	
7440-66-6	Zinc	56.5		mg/Kg	0.52	1.480	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	5	Analytical Method :	EPA SW-846 8082
DataFile :	P6039298.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.9	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.8	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.0	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.8	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.9	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.9	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	5	Analytical Method :	EPA SW-846 8081
DataFile :	P7048386.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036880.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.1	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.8	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.5	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036880.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.0	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.4	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.8	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.9	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	65	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.4	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.8	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.4	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.7	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-04
SDG ID :	B2143	Customer Sample No. :	HS-ES-2
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036880.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.4	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	950	A	ug/Kg	0	0	1	TIC
70446-87-6	5-Methyl-2-(p-tolylimino)-1,3-thia	78	J	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	160	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-05
SDG ID :	B2143	Customer Sample No. :	HS-ES-3G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031086.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.68	5.3	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.90	5.3	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.3	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.3	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.3	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.3	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.3	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.5	5.3	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.3	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.3	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.3	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.3	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.72	5.3	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	0.99	5.3	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.3	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.3	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.93	5.3	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.78	5.3	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.92	5.3	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.3	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.3	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.67	5.3	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.90	5.3	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.27	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-05
SDG ID :	B2143	Customer Sample No. :	HS-ES-3G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031086.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.65	5.3	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.67	5.3	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.3	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.76	5.3	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.95	5.3	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.1	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.3	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.67	5.3	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.3	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.53	5.3	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.65	5.3	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.76	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.71	5.3	1	
100-42-5	Styrene	ND	U	ug/Kg	0.47	5.3	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.78	5.3	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.50	5.3	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.48	5.3	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.3	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.43	5.3	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.65	5.3	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.91	5.3	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.74	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	5.599998	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.530	0.530	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	5.599998	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.017		mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	5.599998	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	7670		mg/Kg	0.77	4.610	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.52	2.300	1	
7440-38-2	Arsenic	3.010		mg/Kg	0.30	0.92	1	
7440-39-3	Barium	49.8		mg/Kg	0.37	4.610	1	
7440-41-7	Beryllium	0.34		mg/Kg	0.06	0.28	1	
7440-43-9	Cadmium	0.62		mg/Kg	0.06	0.28	1	
7440-70-2	Calcium	26700		mg/Kg	0.99	92.1	1	
7440-47-3	Chromium	9.970		mg/Kg	0.12	0.46	1	
7440-48-4	Cobalt	7.050		mg/Kg	0.53	1.380	1	
7440-50-8	Copper	14.0		mg/Kg	0.29	0.92	1	
7439-89-6	Iron	19700		mg/Kg	1.230	4.610	1	
7439-92-1	Lead	11.0		mg/Kg	0.36	0.55	1	
7439-95-4	Magnesium	8920		mg/Kg	4.220	92.1	1	
7439-96-5	Manganese	459		mg/Kg	0.18	0.92	1	
7440-02-0	Nickel	17.5		mg/Kg	0.42	1.840	1	
7440-09-7	Potassium	451		mg/Kg	3.220	92.1	1	
7782-49-2	Selenium	0.57	J	mg/Kg	0.38	0.92	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.46	1	
7440-23-5	Sodium	82.0	J	mg/Kg	2.320	92.1	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.25	1.840	1	
7440-62-2	Vanadium	11.2		mg/Kg	0.54	1.840	1	
7440-66-6	Zinc	50.5		mg/Kg	0.64	1.840	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	6	Analytical Method :	EPA SW-846 8082
DataFile :	P6039299.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.0	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.9	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.1	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.9	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.0	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.0	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	6	Analytical Method :	EPA SW-846 8081
DataFile :	P7048387.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036881.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.2	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	19	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.9	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.6	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036881.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.1	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	46	J	ug/Kg	9.6	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.9	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	23	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	10	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	66	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.5	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.9	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	19	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.6	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.2	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.8	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	28	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-06
SDG ID :	B2143	Customer Sample No. :	HS-ES-3
% Moisture :	6	Analytical Method :	EPA SW-846 8270
DataFile :	BF036881.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.1	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.5	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	23	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	17	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	980	A	ug/Kg	0	0	1	TIC
	unknown12.74	76	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-07
SDG ID :	B2143	Customer Sample No. :	HS-ES-4G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031087.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.68	5.3	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.91	5.3	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.3	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.3	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.3	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.3	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.3	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.5	5.3	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.3	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.3	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.3	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.3	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.73	5.3	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	0.99	5.3	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.3	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.3	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.94	5.3	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.78	5.3	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.93	5.3	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.3	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.3	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.67	5.3	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.91	5.3	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.27	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-07
SDG ID :	B2143	Customer Sample No. :	HS-ES-4G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031087.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.65	5.3	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.67	5.3	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.3	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.76	5.3	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.95	5.3	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.1	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.3	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.67	5.3	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.3	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.53	5.3	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.65	5.3	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.76	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.72	5.3	1	
100-42-5	Styrene	ND	U	ug/Kg	0.47	5.3	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.78	5.3	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.51	5.3	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.48	5.3	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.3	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.43	5.3	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.65	5.3	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.92	5.3	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.74	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3.400002	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.518	0.518	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3.400002	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.014		mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3.400002	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	7560		mg/Kg	0.72	4.280	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.48	2.140	1	
7440-38-2	Arsenic	3.510		mg/Kg	0.28	0.86	1	
7440-39-3	Barium	48.6		mg/Kg	0.34	4.280	1	
7440-41-7	Beryllium	0.33		mg/Kg	0.05	0.26	1	
7440-43-9	Cadmium	0.66		mg/Kg	0.05	0.26	1	
7440-70-2	Calcium	28500		mg/Kg	0.92	85.6	1	
7440-47-3	Chromium	9.060		mg/Kg	0.11	0.43	1	
7440-48-4	Cobalt	7.210		mg/Kg	0.49	1.280	1	
7440-50-8	Copper	15.7		mg/Kg	0.27	0.86	1	
7439-89-6	Iron	19600		mg/Kg	1.140	4.280	1	
7439-92-1	Lead	11.7		mg/Kg	0.33	0.51	1	
7439-95-4	Magnesium	5700		mg/Kg	3.920	85.6	1	
7439-96-5	Manganese	805		mg/Kg	0.16	0.86	1	
7440-02-0	Nickel	18.2		mg/Kg	0.39	1.710	1	
7440-09-7	Potassium	377		mg/Kg	2.990	85.6	1	
7782-49-2	Selenium	0.48	J	mg/Kg	0.35	0.86	1	
7440-22-4	Silver	ND	U	mg/Kg	0.13	0.43	1	
7440-23-5	Sodium	67.1	J	mg/Kg	2.160	85.6	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.23	1.710	1	
7440-62-2	Vanadium	10.0		mg/Kg	0.50	1.710	1	
7440-66-6	Zinc	53.2		mg/Kg	0.60	1.710	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3	Analytical Method :	EPA SW-846 8082
DataFile :	P6039300.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.8	17	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.7	17	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	4.9	17	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	17	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.7	17	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.8	17	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.8	17	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3	Analytical Method :	EPA SW-846 8081
DataFile :	P7048388.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.13	1.7	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.7	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.7	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.15	1.7	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.14	1.7	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.7	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.16	1.7	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.15	1.7	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.13	1.7	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.7	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.7	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.14	1.7	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.17	1.7	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.15	1.7	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.14	1.7	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.17	1.7	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.13	1.7	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.15	1.7	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.14	1.7	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.13	1.7	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	17	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036882.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	340	1	
108-95-2	Phenol	ND	U	ug/Kg	7.9	340	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	16	340	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	340	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	340	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	340	1	
98-86-2	Acetophenone	ND	U	ug/Kg	10	340	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	340	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	17	340	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	15	340	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	340	1	
78-59-1	Isophorone	ND	U	ug/Kg	11	340	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	340	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	19	340	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	340	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	340	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	340	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	24	340	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	12	340	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	340	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	15	340	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.6	340	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.3	340	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	10	340	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	24	340	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036882.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	7.8	340	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	15	340	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.3	340	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.6	340	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	340	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	340	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.7	340	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	35	340	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	340	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	13	340	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	10	340	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.3	340	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	340	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	340	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	45	340	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	340	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.2	340	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.7	340	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	340	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	340	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	23	340	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.3	340	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.0	340	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.5	340	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-08
SDG ID :	B2143	Customer Sample No. :	HS-ES-4
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036882.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	6.9	340	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.2	340	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	16	340	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	340	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	16	340	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	340	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	340	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	3.9	340	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	340	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	340	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.4	340	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	11	340	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	9.9	340	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	340	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	950	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	74	J	ug/Kg	0	0	1	TIC
	unknown12.74	71	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-09
SDG ID :	B2143	Customer Sample No. :	HS-WS-1G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031092.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.68	5.2	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.90	5.2	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.2	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.2	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.2	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.2	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.2	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.5	5.2	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.2	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.2	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.2	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.2	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.72	5.2	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	0.98	5.2	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.2	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.2	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.93	5.2	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.77	5.2	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.92	5.2	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.2	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.2	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.67	5.2	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.90	5.2	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.27	5.2	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-09
SDG ID :	B2143	Customer Sample No. :	HS-WS-1G
% Moisture :	5	Analytical Method :	EPA SW846 8260
DataFile :	VI031092.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.65	5.2	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.67	5.2	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.2	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.75	5.2	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.94	5.2	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.1	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.2	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.67	5.2	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.2	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.52	5.2	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.65	5.2	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.75	10	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.71	5.2	1	
100-42-5	Styrene	ND	U	ug/Kg	0.47	5.2	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.77	5.2	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.50	5.2	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.48	5.2	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.2	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.43	5.2	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.65	5.2	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.91	5.2	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.73	5.2	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	3.5	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.518	0.518	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	3.5	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.019		mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	3.5	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	9770		mg/Kg	0.77	4.590	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.51	2.290	1	
7440-38-2	Arsenic	3.560		mg/Kg	0.30	0.92	1	
7440-39-3	Barium	45.3		mg/Kg	0.37	4.590	1	
7440-41-7	Beryllium	0.38		mg/Kg	0.06	0.28	1	
7440-43-9	Cadmium	0.66		mg/Kg	0.06	0.28	1	
7440-70-2	Calcium	14400		mg/Kg	0.98	91.7	1	
7440-47-3	Chromium	12.0		mg/Kg	0.12	0.46	1	
7440-48-4	Cobalt	8.640		mg/Kg	0.52	1.380	1	
7440-50-8	Copper	18.0		mg/Kg	0.29	0.92	1	
7439-89-6	Iron	23600		mg/Kg	1.220	4.590	1	
7439-92-1	Lead	12.1		mg/Kg	0.36	0.55	1	
7439-95-4	Magnesium	6150		mg/Kg	4.200	91.7	1	
7439-96-5	Manganese	673		mg/Kg	0.17	0.92	1	
7440-02-0	Nickel	22.4		mg/Kg	0.42	1.830	1	
7440-09-7	Potassium	438		mg/Kg	3.210	91.7	1	
7782-49-2	Selenium	0.43	J	mg/Kg	0.38	0.92	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.46	1	
7440-23-5	Sodium	73.5	J	mg/Kg	2.310	91.7	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.25	1.830	1	
7440-62-2	Vanadium	12.4		mg/Kg	0.54	1.830	1	
7440-66-6	Zinc	60.3		mg/Kg	0.64	1.830	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	4	Analytical Method :	EPA SW-846 8082
DataFile :	P6039301.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.9	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.7	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.0	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.8	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.9	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.9	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	4	Analytical Method :	EPA SW-846 8081
DataFile :	P7048389.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.13	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.13	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.13	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.13	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036883.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	340	1	
108-95-2	Phenol	ND	U	ug/Kg	7.9	340	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	16	340	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	340	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	340	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	340	1	
98-86-2	Acetophenone	ND	U	ug/Kg	10	340	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	340	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	17	340	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	15	340	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	340	1	
78-59-1	Isophorone	ND	U	ug/Kg	11	340	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	340	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	19	340	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	340	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	340	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	340	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	24	340	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	12	340	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	340	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	15	340	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.6	340	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.3	340	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	10	340	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	24	340	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036883.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	7.8	340	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	15	340	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.2	340	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.6	340	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	340	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	340	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.7	340	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	35	340	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	340	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	13	340	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	10	340	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.3	340	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	340	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	340	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	45	340	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	340	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.2	340	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.7	340	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	340	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	340	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	23	340	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.2	340	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.0	340	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.5	340	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-10
SDG ID :	B2143	Customer Sample No. :	HS-WS-1
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036883.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	6.9	340	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.2	340	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	16	340	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	340	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	16	340	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	340	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	340	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	3.9	340	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	340	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	340	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.4	340	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	11	340	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	9.9	340	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	340	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	860	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	84	J	ug/Kg	0	0	1	TIC
	unknown12.74	73	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	2.900002	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.515	0.515	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	2.900002	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.013		mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	2.900002	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	8880		mg/Kg	0.60	3.550	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.40	1.780	1	
7440-38-2	Arsenic	3.670		mg/Kg	0.23	0.71	1	
7440-39-3	Barium	35.1		mg/Kg	0.28	3.550	1	
7440-41-7	Beryllium	0.35		mg/Kg	0.04	0.21	1	
7440-43-9	Cadmium	0.70		mg/Kg	0.04	0.21	1	
7440-70-2	Calcium	16500		mg/Kg	0.76	71.0	1	
7440-47-3	Chromium	11.0		mg/Kg	0.09	0.36	1	
7440-48-4	Cobalt	8.030		mg/Kg	0.40	1.070	1	
7440-50-8	Copper	16.8		mg/Kg	0.23	0.71	1	
7439-89-6	Iron	21600		mg/Kg	0.94	3.550	1	
7439-92-1	Lead	11.9		mg/Kg	0.28	0.43	1	
7439-95-4	Magnesium	6280		mg/Kg	3.250	71.0	1	
7439-96-5	Manganese	559		mg/Kg	0.13	0.71	1	
7440-02-0	Nickel	20.8		mg/Kg	0.33	1.420	1	
7440-09-7	Potassium	376		mg/Kg	2.490	71.0	1	
7782-49-2	Selenium	0.45	J	mg/Kg	0.29	0.71	1	
7440-22-4	Silver	ND	U	mg/Kg	0.11	0.36	1	
7440-23-5	Sodium	54.0	J	mg/Kg	1.790	71.0	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.19	1.420	1	
7440-62-2	Vanadium	11.3		mg/Kg	0.42	1.420	1	
7440-66-6	Zinc	53.7		mg/Kg	0.50	1.420	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	3	Analytical Method :	EPA SW-846 8082
DataFile :	P6039302.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.8	17	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.7	17	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	4.9	17	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	17	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.7	17	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.8	17	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.8	17	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	3	Analytical Method :	EPA SW-846 8081
DataFile :	P7048390.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.13	1.7	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.7	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.7	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.15	1.7	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.14	1.7	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.7	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.16	1.7	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.15	1.7	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.13	1.7	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.7	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.7	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.14	1.7	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.17	1.7	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.15	1.7	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.14	1.7	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.17	1.7	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.13	1.7	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.15	1.7	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.14	1.7	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.13	1.7	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	17	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036885.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	340	1	
108-95-2	Phenol	ND	U	ug/Kg	7.9	340	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	16	340	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	340	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	340	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	340	1	
98-86-2	Acetophenone	ND	U	ug/Kg	10	340	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	340	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	17	340	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	15	340	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	340	1	
78-59-1	Isophorone	ND	U	ug/Kg	11	340	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	340	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	19	340	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	340	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	340	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	340	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	24	340	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	12	340	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	340	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	15	340	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.6	340	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.3	340	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	10	340	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	24	340	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036885.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	7.8	340	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	15	340	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.3	340	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.6	340	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	340	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	340	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.7	340	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	35	340	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	340	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	13	340	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	10	340	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.4	340	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	340	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	340	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	45	340	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	340	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.2	340	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.7	340	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	340	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	340	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	23	340	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.3	340	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.0	340	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.5	340	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-11
SDG ID :	B2143	Customer Sample No. :	HS-WS-2
% Moisture :	3	Analytical Method :	EPA SW-846 8270
DataFile :	BF036885.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	6.9	340	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.2	340	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	16	340	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	340	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	16	340	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	340	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	340	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	3.9	340	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	340	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	340	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.4	340	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	11	340	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	9.9	340	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	340	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	910	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	84	J	ug/Kg	0	0	1	TIC
	unknown12.74	73	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-12
SDG ID :	B2143	Customer Sample No. :	HS-WS-2G
% Moisture :	6	Analytical Method :	EPA SW846 8260
DataFile :	VI031093.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.69	5.3	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.91	5.3	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.3	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.3	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.3	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.3	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.3	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.3	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	27	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.3	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.3	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.3	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.3	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.73	5.3	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.3	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.3	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	27	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.3	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.95	5.3	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.79	5.3	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.94	5.3	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.3	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.3	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.68	5.3	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.91	5.3	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.28	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-12
SDG ID :	B2143	Customer Sample No. :	HS-WS-2G
% Moisture :	6	Analytical Method :	EPA SW846 8260
DataFile :	VI031093.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.66	5.3	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	27	1	
108-88-3	Toluene	ND	U	ug/Kg	0.68	5.3	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.84	5.3	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.77	5.3	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.96	5.3	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.2	27	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.3	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.68	5.3	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.3	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.53	5.3	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.66	5.3	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.77	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.72	5.3	1	
100-42-5	Styrene	ND	U	ug/Kg	0.48	5.3	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.79	5.3	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.51	5.3	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.49	5.3	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.3	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.44	5.3	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.66	5.3	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.93	5.3	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.74	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4.300003	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.522	0.522	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4.300003	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.023		mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4.300003	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	9140		mg/Kg	0.80	4.750	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.53	2.370	1	
7440-38-2	Arsenic	4.260		mg/Kg	0.31	0.95	1	
7440-39-3	Barium	52.9		mg/Kg	0.38	4.750	1	
7440-41-7	Beryllium	0.45		mg/Kg	0.06	0.28	1	
7440-43-9	Cadmium	0.72		mg/Kg	0.06	0.28	1	
7440-70-2	Calcium	21000		mg/Kg	1.020	95.0	1	
7440-47-3	Chromium	12.1		mg/Kg	0.12	0.47	1	
7440-48-4	Cobalt	8.600		mg/Kg	0.54	1.420	1	
7440-50-8	Copper	17.3		mg/Kg	0.30	0.95	1	
7439-89-6	Iron	23000		mg/Kg	1.260	4.750	1	
7439-92-1	Lead	11.8		mg/Kg	0.37	0.57	1	
7439-95-4	Magnesium	5790		mg/Kg	4.350	95.0	1	
7439-96-5	Manganese	752		mg/Kg	0.18	0.95	1	
7440-02-0	Nickel	23.4		mg/Kg	0.44	1.900	1	
7440-09-7	Potassium	543		mg/Kg	3.320	95.0	1	
7782-49-2	Selenium	0.68	J	mg/Kg	0.39	0.95	1	
7440-22-4	Silver	ND	U	mg/Kg	0.14	0.47	1	
7440-23-5	Sodium	80.1	J	mg/Kg	2.390	95.0	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.26	1.900	1	
7440-62-2	Vanadium	12.8		mg/Kg	0.56	1.900	1	
7440-66-6	Zinc	64.3		mg/Kg	0.66	1.900	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4	Analytical Method :	EPA SW-846 8082
DataFile :	P6039303.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.9	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.7	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.0	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.8	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.9	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.9	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4	Analytical Method :	EPA SW-846 8081
DataFile :	P7048391.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BF036884.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	340	1	
108-95-2	Phenol	ND	U	ug/Kg	8.0	340	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	340	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	340	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	340	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	340	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	340	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	340	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	17	340	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	15	340	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	340	1	
78-59-1	Isophorone	ND	U	ug/Kg	11	340	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	340	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	340	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	340	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	340	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	340	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	24	340	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	340	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	340	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	15	340	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.7	340	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.4	340	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	340	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	24	340	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BF036884.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	7.9	340	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	15	340	1	
131-11-3	Dimethylphthalate	44	J	ug/Kg	9.4	340	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.7	340	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	340	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	340	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.8	340	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	35	340	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	340	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	340	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	340	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.4	340	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	340	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	340	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	45	340	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	340	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.3	340	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.8	340	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	340	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	340	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	340	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.4	340	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	340	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.6	340	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-13
SDG ID :	B2143	Customer Sample No. :	HS-WS-3
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BF036884.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	340	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.3	340	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	340	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	340	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	340	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	340	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	340	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	340	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	340	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	340	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.5	340	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	340	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	340	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	340	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	920	A	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	160	J	ug/Kg	0	0	1	TIC
	unknown12.75	75	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-14
SDG ID :	B2143	Customer Sample No. :	HS-WS-3G
% Moisture :	6	Analytical Method :	EPA SW846 8260
DataFile :	VI031094.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.69	5.3	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.91	5.3	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.3	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.3	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.3	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.3	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.3	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.3	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.3	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.3	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.3	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.3	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.73	5.3	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.3	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.3	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.3	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.94	5.3	1	
67-66-3	Chloroform	1.2	J	ug/Kg	0.78	5.3	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.93	5.3	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.3	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.3	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.68	5.3	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.91	5.3	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.28	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-14
SDG ID :	B2143	Customer Sample No. :	HS-WS-3G
% Moisture :	6	Analytical Method :	EPA SW846 8260
DataFile :	VI031094.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.66	5.3	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.68	5.3	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.84	5.3	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.76	5.3	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.95	5.3	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.2	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.3	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.68	5.3	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.3	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.53	5.3	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.66	5.3	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.76	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.72	5.3	1	
100-42-5	Styrene	ND	U	ug/Kg	0.48	5.3	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.78	5.3	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.51	5.3	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.49	5.3	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.3	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.43	5.3	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.66	5.3	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.92	5.3	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.74	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	4.699997	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.522	0.522	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	4.699997	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.020		mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	4.699997	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	9200		mg/Kg	0.60	3.570	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.40	1.780	1	
7440-38-2	Arsenic	3.960		mg/Kg	0.24	0.71	1	
7440-39-3	Barium	39.6		mg/Kg	0.29	3.570	1	
7440-41-7	Beryllium	0.39		mg/Kg	0.04	0.21	1	
7440-43-9	Cadmium	0.80		mg/Kg	0.04	0.21	1	
7440-70-2	Calcium	10000		mg/Kg	0.76	71.4	1	
7440-47-3	Chromium	11.0		mg/Kg	0.09	0.36	1	
7440-48-4	Cobalt	8.360		mg/Kg	0.41	1.070	1	
7440-50-8	Copper	16.8		mg/Kg	0.23	0.71	1	
7439-89-6	Iron	22700		mg/Kg	0.95	3.570	1	
7439-92-1	Lead	11.6		mg/Kg	0.28	0.43	1	
7439-95-4	Magnesium	6090		mg/Kg	3.270	71.4	1	
7439-96-5	Manganese	612		mg/Kg	0.14	0.71	1	
7440-02-0	Nickel	20.7		mg/Kg	0.33	1.430	1	
7440-09-7	Potassium	430		mg/Kg	2.500	71.4	1	
7782-49-2	Selenium	0.47	J	mg/Kg	0.29	0.71	1	
7440-22-4	Silver	ND	U	mg/Kg	0.11	0.36	1	
7440-23-5	Sodium	52.7	J	mg/Kg	1.800	71.4	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.19	1.430	1	
7440-62-2	Vanadium	12.5		mg/Kg	0.42	1.430	1	
7440-66-6	Zinc	58.9		mg/Kg	0.50	1.430	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	5	Analytical Method :	EPA SW-846 8082
DataFile :	P6039308.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.9	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.8	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.0	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.2	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.8	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	4.9	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	3.9	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	5	Analytical Method :	EPA SW-846 8081
DataFile :	P7048392.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036886.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	350	1	
108-95-2	Phenol	ND	U	ug/Kg	8.1	350	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	350	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	350	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	350	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	350	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	350	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	350	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	18	350	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	350	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	350	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	350	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	350	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	350	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	350	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	350	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	350	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	25	350	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	350	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	350	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	350	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.8	350	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.5	350	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	350	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	25	350	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036886.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.0	350	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	350	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	9.4	350	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.8	350	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	350	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	350	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.9	350	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	36	350	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	65	350	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	350	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	350	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.5	350	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	350	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	350	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	46	350	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	350	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.4	350	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.8	350	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	350	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	350	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	350	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.4	350	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	350	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.7	350	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	350	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-15
SDG ID :	B2143	Customer Sample No. :	HS-WS-4
% Moisture :	5	Analytical Method :	EPA SW-846 8270
DataFile :	BF036886.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	350	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.4	350	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	350	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	350	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	17	350	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	350	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	350	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.0	350	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	350	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	350	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.6	350	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	350	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	350	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	350	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	A	ug/Kg	0	0	1	TIC
	unknown12.75	88	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-16
SDG ID :	B2143	Customer Sample No. :	HS-WS-4G
% Moisture :	7	Analytical Method :	EPA SW846 8260
DataFile :	VI031095.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.70	5.4	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.92	5.4	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.4	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.4	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.4	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.4	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.4	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.4	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	27	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.4	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.4	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.4	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.4	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.74	5.4	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.4	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.4	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	27	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.4	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.96	5.4	1	
67-66-3	Chloroform	1.2	J	ug/Kg	0.79	5.4	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.94	5.4	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.4	1	
71-43-2	Benzene	ND	U	ug/Kg	0.41	5.4	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.69	5.4	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.92	5.4	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.28	5.4	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-16
SDG ID :	B2143	Customer Sample No. :	HS-WS-4G
% Moisture :	7	Analytical Method :	EPA SW846 8260
DataFile :	VI031095.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.67	5.4	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	27	1	
108-88-3	Toluene	ND	U	ug/Kg	0.69	5.4	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.85	5.4	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.77	5.4	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.97	5.4	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.2	27	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.58	5.4	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.69	5.4	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.4	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.54	5.4	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.67	5.4	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.77	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.73	5.4	1	
100-42-5	Styrene	ND	U	ug/Kg	0.48	5.4	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.79	5.4	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.52	5.4	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.49	5.4	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.40	5.4	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.44	5.4	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.67	5.4	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.93	5.4	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.75	5.4	1	
000110-54-3	Hexane	7.3	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-17
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1G
% Moisture :	14	Analytical Method :	EPA SW846 8260
DataFile :	VI031096.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.75	5.8	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.99	5.8	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.4	5.8	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.8	5.8	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.6	5.8	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.5	5.8	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.5	5.8	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.7	5.8	1	
67-64-1	Acetone	ND	U	ug/Kg	3.5	29	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.2	5.8	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.1	5.8	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.7	5.8	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.6	5.8	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.80	5.8	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.1	5.8	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.2	5.8	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.6	29	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.8	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.0	5.8	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.85	5.8	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	1.0	5.8	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.2	5.8	1	
71-43-2	Benzene	ND	U	ug/Kg	0.44	5.8	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.74	5.8	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.99	5.8	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.30	5.8	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-17
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1G
% Moisture :	14	Analytical Method :	EPA SW846 8260
DataFile :	VI031096.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.72	5.8	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.4	29	1	
108-88-3	Toluene	ND	U	ug/Kg	0.74	5.8	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.91	5.8	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.83	5.8	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.0	5.8	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.5	29	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.62	5.8	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.74	5.8	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.2	5.8	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.58	5.8	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.72	5.8	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.83	12	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.78	5.8	1	
100-42-5	Styrene	ND	U	ug/Kg	0.52	5.8	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.85	5.8	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.55	5.8	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.53	5.8	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.43	5.8	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.47	5.8	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.72	5.8	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	1.0	5.8	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.81	5.8	1	
000110-54-3	Hexane	6.1	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Cyanide	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	9012 Cyanide
DataFile :	LB49699.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.556	0.556	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Mercury	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB49735A.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	0.010	J	mg/Kg	0.002	0.011	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB49714.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	5780		mg/Kg	0.84	5.010	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.56	2.500	1	
7440-38-2	Arsenic	3.710		mg/Kg	0.33	1.000	1	
7440-39-3	Barium	18.0		mg/Kg	0.40	5.010	1	
7440-41-7	Beryllium	0.21	J	mg/Kg	0.06	0.30	1	
7440-43-9	Cadmium	0.65		mg/Kg	0.06	0.30	1	
7440-70-2	Calcium	82200		mg/Kg	1.070	100	1	
7440-47-3	Chromium	6.650		mg/Kg	0.13	0.50	1	
7440-48-4	Cobalt	7.190		mg/Kg	0.57	1.500	1	
7440-50-8	Copper	11.4		mg/Kg	0.32	1.000	1	
7439-89-6	Iron	14900		mg/Kg	1.330	5.010	1	
7439-92-1	Lead	7.410		mg/Kg	0.39	0.60	1	
7439-95-4	Magnesium	47500		mg/Kg	4.580	100	1	
7439-96-5	Manganese	429		mg/Kg	0.19	1.000	1	
7440-02-0	Nickel	14.3		mg/Kg	0.46	2.000	1	
7440-09-7	Potassium	919		mg/Kg	3.500	100	1	
7782-49-2	Selenium	ND	U	mg/Kg	0.41	1.000	1	
7440-22-4	Silver	ND	U	mg/Kg	0.15	0.50	1	
7440-23-5	Sodium	101		mg/Kg	2.520	100	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.27	2.000	1	
7440-62-2	Vanadium	9.940		mg/Kg	0.59	2.000	1	
7440-66-6	Zinc	30.7		mg/Kg	0.70	2.000	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	PCB	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	EPA SW-846 8082
DataFile :	P6039309.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.1	19	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.1	19	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.3	19	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.3	19	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.1	19	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.2	19	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.1	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	Pesticide-TCL	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	EPA SW-846 8081
DataFile :	P7048393.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.9	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.20	1.9	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.11	1.9	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.17	1.9	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.16	1.9	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.11	1.9	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.18	1.9	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.17	1.9	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.9	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.22	1.9	1	
72-20-8	Endrin	ND	U	ug/Kg	0.20	1.9	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.16	1.9	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.19	1.9	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.17	1.9	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.16	1.9	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.19	1.9	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.9	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.17	1.9	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.16	1.9	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.9	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	11	19	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	EPA SW-846 8270
DataFile :	BF036887.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	19	370	1	
108-95-2	Phenol	ND	U	ug/Kg	8.5	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	18	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	19	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	20	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	15	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	370	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	19	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	19	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	16	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	14	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	12	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	18	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	21	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	21	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	14	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	13	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	26	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	17	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	16	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	9.3	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	9.0	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	26	370	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	14	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	EPA SW-846 8270
DataFile :	BF036887.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	8.4	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	16	370	1	
131-11-3	Dimethylphthalate	ND	U	ug/Kg	10	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	9.3	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	15	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	24	370	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	10	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	38	370	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	69	370	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	14	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	11	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.8	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	20	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	14	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	48	370	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	21	370	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.9	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	7.2	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	15	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	19	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	25	370	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	10	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.5	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	8.1	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	29	370	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2143-18
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-1
% Moisture :	10	Analytical Method :	EPA SW-846 8270
DataFile :	BF036887.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.4	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.9	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	18	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	24	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	18	370	1	
218-01-9	Chrysene	ND	U	ug/Kg	17	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	13	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	4.2	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	12	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	17	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	8.0	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	11	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	15	370	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1000	A	ug/Kg	0	0	1	TIC
301-02-0	9-Octadecenamide, (Z)-	160	J	ug/Kg	0	0	1	TIC
10544-50-0	Cyclic octaatomic sulfur	96	J	ug/Kg	0	0	1	TIC
	unknown12.74	85	J	ug/Kg	0	0	1	TIC

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-19
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-2G
% Moisture :	6	Analytical Method :	EPA SW846 8260
DataFile :	VI031097.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.69	5.3	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.91	5.3	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.3	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.6	5.3	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.5	5.3	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.3	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.3	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.6	5.3	1	
67-64-1	Acetone	ND	U	ug/Kg	3.2	27	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.3	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	1.0	5.3	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.3	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.3	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.73	5.3	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.0	5.3	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.1	5.3	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.3	27	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.1	5.3	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.95	5.3	1	
67-66-3	Chloroform	1.3	J	ug/Kg	0.79	5.3	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.94	5.3	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.3	1	
71-43-2	Benzene	ND	U	ug/Kg	0.40	5.3	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.68	5.3	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.91	5.3	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.28	5.3	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	05/03/10
Project Id :	Hudson Heritage	Date Received :	05/05/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2143-19
SDG ID :	B2143	Customer Sample No. :	LIBORTYBPL-SE-2G
% Moisture :	6	Analytical Method :	EPA SW846 8260
DataFile :	VI031097.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.66	5.3	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.1	27	1	
108-88-3	Toluene	ND	U	ug/Kg	0.68	5.3	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.84	5.3	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.77	5.3	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.96	5.3	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.2	27	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.57	5.3	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.68	5.3	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.1	5.3	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.53	5.3	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.66	5.3	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.77	11	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.72	5.3	1	
100-42-5	Styrene	ND	U	ug/Kg	0.48	5.3	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.79	5.3	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.51	5.3	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.49	5.3	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.39	5.3	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.44	5.3	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.66	5.3	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.93	5.3	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.74	5.3	1	

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Page

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Project #: B2143
5/12/2010 1:07:54 PM
End Of Report

TECTONIC

DAILY FIELD REPORT

W.O.NO.: 5467.02 | PAGE 1 OF 2
REPORT NO.: | DATE: 6/3/10
PUNCH LIST YES ☐ NO ☐

☒ 70 Pleasant Hill Road, Mountainville, NY 10953, P: 845-534-5959 F: 845-534-5999
☐ 36 British American Blvd, Suite 101, Latham, NY 12110, Phone: 518-783-1630 Fax: 518-783-1544
☐ 1279 Route 300 Newburgh, NY 12550, Phone- 845-567-6656 Fax- 845-567-8703, Structural Fax- 845-567-8705
☐ 1344 Silas Deane Highway, Suite 500, Rocky Hill, CT 06067, Phone: 860-563-2341 Fax: 860-257-4882
☐ 29-16 40th Ave, Long Island City, NY 11101, Phone- 718-391-9200 Fax- 718-391-0607
☐ 280 Little Britain Rd, Newburgh NY 12550, Phone- 845-563-9081 Fax- 845-563-9085
☐ 8607 Mayland Drive, Richmond, VA 23294, Phone- 804-217-8504 Fax- 804-270-0593

CLIENT: Hudson Heritage Development LLC
PROJECT NAME: Hudson Heritage Development
TECTONIC PROJECT MANAGER: Peter Sutherland, P.E.
TECTONIC FIELD REPRESENTATIVE: Kyle King
LOCATION: Liberty Trucking Quarry Amenia, NY
GENERAL CONTRACTOR: Scavo Contracting
GENERAL CONTRACTOR'S REPRESENTATIVE: Eric Hanson
OWNER: Liberty Trucking
SPECIALTY CONTRACTOR: ☐ EARTH ☐ CONCRETE ☐ STEEL ☐ OTHER
Liberty Trucking - Joe Schulte
PLANS AND SPECIFICATIONS
BY
DATE
CONTRACTOR'S EQUIPMENT OBSERVED IN USE:
SHOP DRAWINGS
TYPE
APP. BY

VISITORS: REPRESENTING: ARR. DPT.

SAMPLES: ☐ TYPE: grab composite QTY:
WEATHER: Partly Cloudy TEMP. (°F) 73°
PHOTOS: ☐ TYPE: QTY:

CONSTRUCTION ACTIVITIES: INDICATE ACTIVITIES MONITORED

Arrived at Liberty Trucking Quarry located off of Sinpatch Rd. in Amenia, NY and drove along road to sample site. The test site consisted of a partially excavated sand deposit evidenced by exposed layers of sand on the pile. The pile was separated into four approximate quarters. For the composite sample, sand was taken from each quarter and then mixed together to form a homogenous mixture. The grab sample was taken from one location on southeastern end of the pile. The composite sample was transferred from the ziplock bag in which it was mixed to an 8oz glass jar which was subsequently labeled and stored in a cooler with ice. The grab sample was taken and transferred to a 4 oz. glass jar and similarly stored in a cooler with ice. Both samples were taken using disposable plastic scoopers.

FORMS ATTACHED: ☐ SOIL COMPACTION ☐ PRE-POUR INSPECTION ☐ STRUCTURAL STEEL ☐ NON-CONFORMANCE REPORT ☐ CONCRETE INSPECTION ☒ OTHER: Sample Location Map

FOLLOW-UP FROM PRIOR R ☐ YES ☐ NO DATE OF PRIOR REPORT:
NON-CONFORMANCE CORRECTED:
WHAT, IN PARTICULAR, SHOULD BE OBSERVED, CHECKED, OR TESTED DURING THE NEXT VISIT?

NOTICE
The field representative is on the site solely to observe operations of the contractor identified, observe conformance with contract documents, and report those operations to the client. The presence and activities of the field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.

☒ THIS DFR IS PRELIMINARY
This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

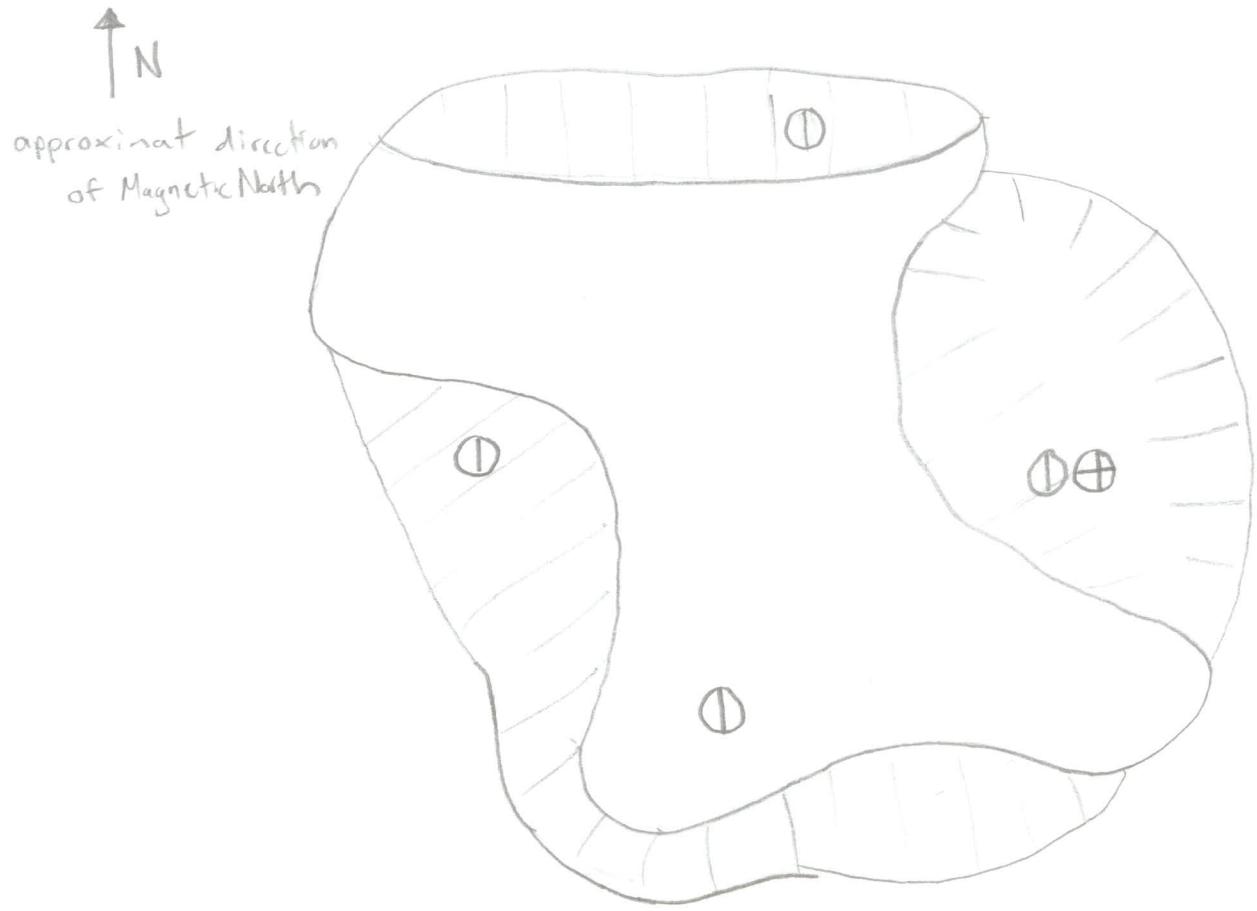
☒ THIS DFR IS FINAL
A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

FIELD REPRESENTATIVE: Kyle C. King DATE: 06/03/2010
REVIEWED BY: James Uzzi DATE: 6/9/2010

TECTONIC
Mountainville, NY
Albany, NY
Hartford, CT
Richmond, VA
(800) 829-6531

JOB 5467.02
SHEET NO. 2 OF 2
CALCULATED BY K.S.K. DATE 6/8/2010
CHECKED BY JAU DATE 6/9/2010
SCALE NTS

Liberty Quarry - Soil Sampling Site



⊕ - Location of Grab sample collection

⦶ - Locations of Composite sample collection

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. R1005078
QUOTE NO. B2619
COC Number 089096

CLIENT INFORMATION (REPORT TO BE SENT TO)

COMPANY: Tectonic Eng
ADDRESS: 70 Pleasant Hill Rd
CITY: Mountainville STATE: NY ZIP: 10953
ATTENTION: James Upright
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT PROJECT INFORMATION

PROJECT NAME: Hudson Heritage Development
PROJECT NO.: 5467.01 LOCATION: Dutchess County, NY
PROJECT MANAGER: Peter Sutherland
e-mail: JAllpright@tectonicengineering.com
PHONE: 845-534-5959 FAX: 845-534-5999

CLIENT BILLING INFORMATION

BILL TO: Tectonic PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: Acct's Payable PHONE:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS *
HARD COPY: DAYS *
EDD: 5 DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☒ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

1 VOCs (8260 + 10 TICs) TCL
2 Cyanide, Mercury
3 TAL Metals
4 PCBs
5 TCL Pesticide
6 TCL SVOC (8270) BNA + 20 TICs
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
							PRESERVATIVES	E	E	E	E	E	E				← Specify Preservatives A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other
1.	Liberty BPL E-1G	S		X	6/8/10	10:38	1	X									
2.	Liberty BPL E-1	S	X		6/8/10	10:48	1		X	X	X	X	X				
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. [signature]	6/8/10 3:45	1. [signature]
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2. [signature]		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3. FedEx	6/09/10 9:25	3. [signature]

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 5°C
Ice in Cooler?: yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2619-01
SDG ID :	B2619	Customer Sample No. :	LIBORTYBPLE-1G
% Moisture :	3	Analytical Method :	EPA SW846 8260
DataFile :	VK039493.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	0.67	5.2	1	
74-87-3	Chloromethane	ND	U	ug/Kg	0.89	5.2	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	1.3	5.2	1	
74-83-9	Bromomethane	ND	U	ug/Kg	2.5	5.2	1	
75-00-3	Chloroethane	ND	U	ug/Kg	1.4	5.2	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	1.4	5.2	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	1.4	5.2	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	1.5	5.2	1	
67-64-1	Acetone	ND	U	ug/Kg	3.1	26	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	1.1	5.2	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	0.99	5.2	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	1.6	5.2	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	1.5	5.2	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	0.71	5.2	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	0.97	5.2	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.0	5.2	1	
78-93-3	2-Butanone	ND	U	ug/Kg	3.2	26	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	1.0	5.2	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	0.92	5.2	1	
67-66-3	Chloroform	ND	U	ug/Kg	0.76	5.2	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	0.91	5.2	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	1.1	5.2	1	
71-43-2	Benzene	ND	U	ug/Kg	0.39	5.2	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	0.66	5.2	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	0.89	5.2	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	0.27	5.2	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	VOC-TCLVOA-10	Lab Sample ID :	B2619-01
SDG ID :	B2619	Customer Sample No. :	LIBORTYBPLE-1G
% Moisture :	3	Analytical Method :	EPA SW846 8260
DataFile :	VK039493.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	0.64	5.2	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	3.0	26	1	
108-88-3	Toluene	ND	U	ug/Kg	0.66	5.2	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	0.81	5.2	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	0.74	5.2	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	0.93	5.2	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	4.0	26	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	0.56	5.2	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	0.66	5.2	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	1.0	5.2	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	0.52	5.2	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	0.64	5.2	1	
179601-23-1	m/p-Xylenes	ND	U	ug/Kg	0.74	10	1	
95-47-6	o-Xylene	ND	U	ug/Kg	0.70	5.2	1	
100-42-5	Styrene	ND	U	ug/Kg	0.46	5.2	1	
75-25-2	Bromoform	ND	U	ug/Kg	0.76	5.2	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	0.49	5.2	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	0.47	5.2	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	0.38	5.2	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	0.42	5.2	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	0.64	5.2	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	0.90	5.2	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	0.72	5.2	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	Cyanide	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	3.900002	Analytical Method :	9012 Cyanide
DataFile :	lb50259.csv	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
	Cyanide	ND	U	mg/Kg	0.520	0.520	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	Mercury	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	3.900002	Analytical Method :	EPA SW-846 7471 - HG
DataFile :	LB50239.PRN	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7439-97-6	Mercury	ND	U	mg/Kg	0.002	0.010	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	Metals ICP-TAL	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	3.900002	Analytical Method :	EPA SW-846 6010 - ICP4
DataFile :	LB50251.txt	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
7429-90-5	Aluminum	5660		mg/Kg	0.50	2.970	1	
7440-36-0	Antimony	ND	U	mg/Kg	0.33	1.490	1	
7440-38-2	Arsenic	2.740		mg/Kg	0.20	0.59	1	
7440-39-3	Barium	15.2		mg/Kg	0.24	2.970	1	
7440-41-7	Beryllium	0.19		mg/Kg	0.04	0.18	1	
7440-43-9	Cadmium	1.140		mg/Kg	0.04	0.18	1	
7440-70-2	Calcium	50800		mg/Kg	0.64	59.5	1	
7440-47-3	Chromium	6.330		mg/Kg	0.08	0.30	1	
7440-48-4	Cobalt	5.910		mg/Kg	0.34	0.89	1	
7440-50-8	Copper	8.810		mg/Kg	0.19	0.59	1	
7439-89-6	Iron	12300		mg/Kg	0.79	2.970	1	
7439-92-1	Lead	7.650		mg/Kg	0.23	0.36	1	
7439-95-4	Magnesium	28200		mg/Kg	2.720	59.5	1	
7439-96-5	Manganese	395		mg/Kg	0.11	0.59	1	
7440-02-0	Nickel	12.3		mg/Kg	0.27	1.190	1	
7440-09-7	Potassium	703		mg/Kg	2.080	59.5	1	
7782-49-2	Selenium	1.260		mg/Kg	0.24	0.59	1	
7440-22-4	Silver	ND	U	mg/Kg	0.09	0.30	1	
7440-23-5	Sodium	112		mg/Kg	1.500	59.5	1	
7440-28-0	Thallium	ND	U	mg/Kg	0.16	1.190	1	
7440-62-2	Vanadium	8.360		mg/Kg	0.35	1.190	1	
7440-66-6	Zinc	28.2		mg/Kg	0.42	1.190	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	PCB	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8082
DataFile :	P4021677.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.1	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.0	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	5.2	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	2.3	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	5.0	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	5.1	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.1	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	Pesticide-TCL	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8081
DataFile :	P7049324.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
319-84-6	alpha-BHC	ND	U	ug/Kg	0.14	1.8	1	
319-85-7	beta-BHC	ND	U	ug/Kg	0.19	1.8	1	
319-86-8	delta-BHC	ND	U	ug/Kg	0.10	1.8	1	
58-89-9	gamma-BHC	ND	U	ug/Kg	0.16	1.8	1	
76-44-8	Heptachlor	ND	U	ug/Kg	0.15	1.8	1	
309-00-2	Aldrin	ND	U	ug/Kg	0.10	1.8	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/Kg	0.17	1.8	1	
959-98-8	Endosulfan I	ND	U	ug/Kg	0.16	1.8	1	
60-57-1	Dieldrin	ND	U	ug/Kg	0.14	1.8	1	
72-55-9	4,4-DDE	ND	U	ug/Kg	0.21	1.8	1	
72-20-8	Endrin	ND	U	ug/Kg	0.19	1.8	1	
33213-65-9	Endosulfan II	ND	U	ug/Kg	0.15	1.8	1	
72-54-8	4,4-DDD	ND	U	ug/Kg	0.18	1.8	1	
1031-07-8	Endosulfan Sulfate	ND	U	ug/Kg	0.16	1.8	1	
50-29-3	4,4-DDT	ND	U	ug/Kg	0.15	1.8	1	
72-43-5	Methoxychlor	ND	U	ug/Kg	0.18	1.8	1	
53494-70-5	Endrin ketone	ND	U	ug/Kg	0.14	1.8	1	
7421-93-4	Endrin aldehyde	ND	U	ug/Kg	0.16	1.8	1	
5103-71-9	alpha-Chlordane	ND	U	ug/Kg	0.15	1.8	1	
5103-74-2	gamma-Chlordane	ND	U	ug/Kg	0.14	1.8	1	
8001-35-2	Toxaphene	ND	U	ug/Kg	10	18	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BE064831.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	18	340	1	
108-95-2	Phenol	ND	U	ug/Kg	8.0	340	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	17	340	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	18	340	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	19	340	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	14	340	1	
98-86-2	Acetophenone	ND	U	ug/Kg	11	340	1	
65794-96-9	3+4-Methylphenols	ND	U	ug/Kg	18	340	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	17	340	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	15	340	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	13	340	1	
78-59-1	Isophorone	ND	U	ug/Kg	11	340	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	17	340	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	20	340	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	20	340	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	13	340	1	
91-20-3	Naphthalene	ND	U	ug/Kg	12	340	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	24	340	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	13	340	1	
105-60-2	Caprolactam	ND	U	ug/Kg	16	340	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	15	340	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	8.7	340	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	8.4	340	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	11	340	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	24	340	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	13	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BE064831.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	7.9	340	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	15	340	1	
131-11-3	Dimethylphthalate	280	J	ug/Kg	9.3	340	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	8.7	340	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	14	340	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	22	340	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	9.8	340	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	35	340	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	340	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	13	340	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	10	340	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	5.4	340	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	19	340	1	
86-73-7	Fluorene	ND	U	ug/Kg	13	340	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	45	340	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	20	340	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	8.3	340	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	6.7	340	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	14	340	1	
1912-24-9	Atrazine	ND	U	ug/Kg	18	340	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	24	340	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	9.3	340	1	
120-12-7	Anthracene	ND	U	ug/Kg	7.1	340	1	
86-74-8	Carbazole	ND	U	ug/Kg	7.6	340	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	27	340	1	

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Report Of Analysis

Client :	Tectonic Engineering	Date Collected :	06/08/10
Project Id :	Hudson Heritage	Date Received :	06/09/10
Test :	SVOC-TCL BNA -20	Lab Sample ID :	B2619-02
SDG ID :	B2619	Customer Sample No. :	LIBERTYBPLE-1
% Moisture :	4	Analytical Method :	EPA SW-846 8270
DataFile :	BE064831.D	Result Type :	Final

CasNumber	Parameter	Results	Qualifier	Units	DL	RT/RL	DF	DIL/RE
206-44-0	Fluoranthene	ND	U	ug/Kg	7.0	340	1	
129-00-0	Pyrene	ND	U	ug/Kg	8.3	340	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	17	340	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	22	340	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	16	340	1	
218-01-9	Chrysene	ND	U	ug/Kg	16	340	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	12	340	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	3.9	340	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	11	340	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	16	340	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	7.5	340	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	12	340	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	10	340	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	14	340	1	
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	510	A	ug/Kg	0	0	1	TIC
301-02-0	9-Octadecenamide, (Z)-	370	J	ug/Kg	0	0	1	TIC
	unknown17.67	75	J	ug/Kg	0	0	1	TIC

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Page

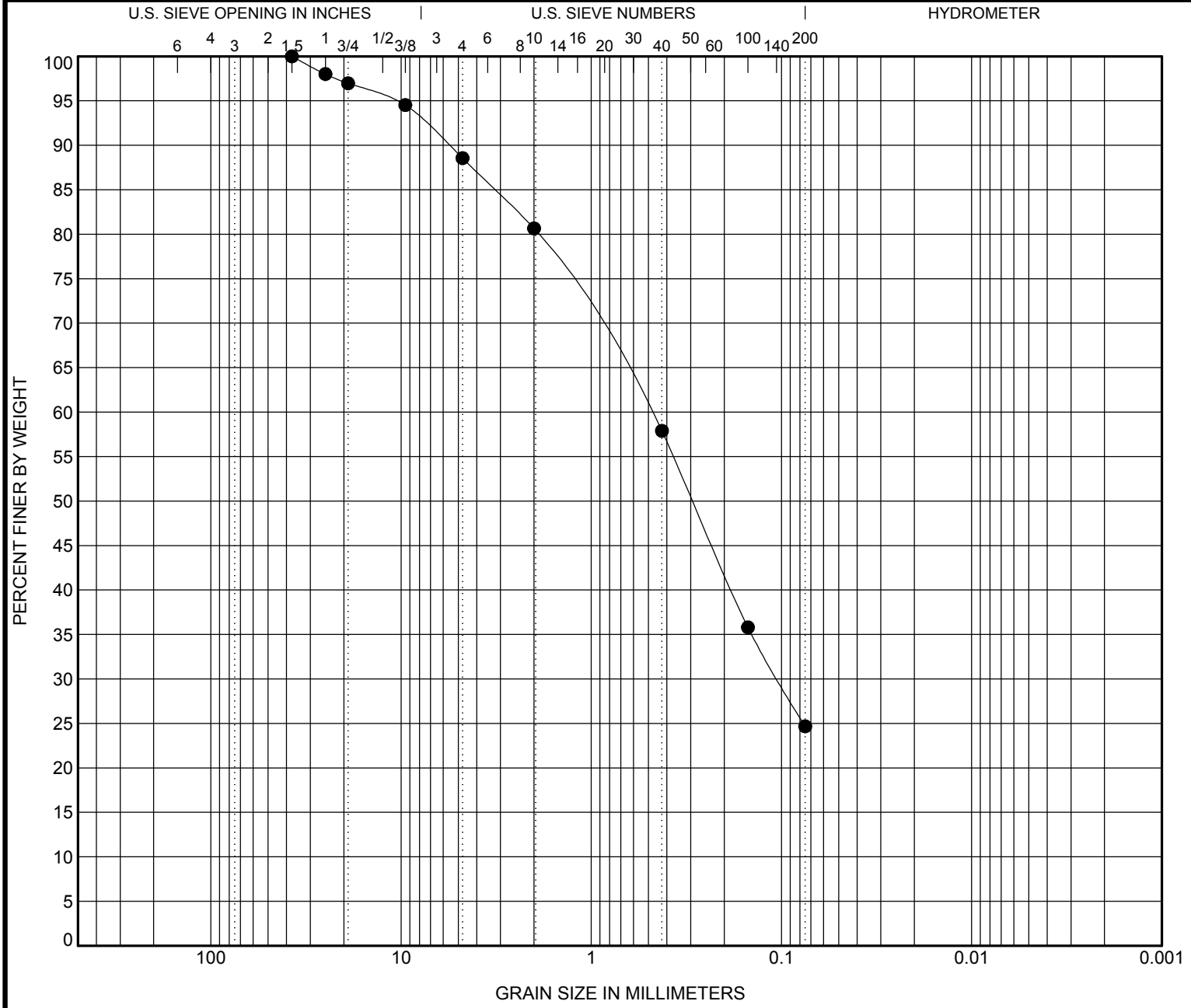
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Project #: B2619
6/16/2010 2:50:32 PM
End Of Report

Appendix M

Soil Properties Test Results

Barrier Protection Material



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Identification	Classification	WC%	LL	PL	PI	Cc	Cu
●	**BS-2**	**Bwn m-f SAND, some Silt, trace c-f Gravel**	**24.6**					

	Sample Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	Source of Material
●	**BS-2**	**37.5**	**0.49**	**0.105**		**11.4**	**63.9**	**24.7**		**Import (Liberty Trucking)**

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

GRAIN SIZE DISTRIBUTION

Project No: **5467.01** Date: **4/1/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**

Gas Venting Layer

Sieve Report

Friday, April 09, 2010
3:21:49 PM

Sample #	Sample Date	Material	Location	Tech	Collection Point	Collection Mthd	SpecName:
598	4/9/2010	Highway Sand	RoeJan	Thomas Brown	Quarry	Sand Thief	Scavo Sand 50/50

Sample Results

Sieve	Weight	Min	Cumulaitve Passing	Max	Pass /Fail
3/8 in.	0	0	100.00	0	Pass
No. 4	0	0	100.00	0	Pass
No. 8	128.1	0	74.40	0	Pass
No. 16	173.4	0	39.75	0	Pass
No. 30	110.9	0	17.59	0	Pass
No. 40	38.9	0	9.81	0	Pass
No. 50	22.1	0	5.40	0	Pass
No. 100	15.8	0	2.24	0	Pass
No. 200	7	0	.84	0	Pass
Pan	4.2	0	.00	0	Pass

FM: 3.45 AFS: 15.22

Cumulative % Passing

Vegetative Support Material

TECTONIC

Practical Solutions, Exceptional Service

Particle-Size Analysis of Soils

ASTM D 422, D 1140; C136, C 117

Date: May 10, 2010
W.O.#: 5467.01
Project: Hudson Heritage

Sample ID: BS-4
Date Sampled: 4/26/10

Sample Source: Import (Liberty Trucking)
Proposed Use: Veg. Support
Material Specification: Vegetative Support Material 02920-4 2.2 / C

BS-4 ***Description:*** Bwn c-f SAND, some Silt, little c-f Gravel

GRAVEL =	14.2%	SAND =	56.5%	SILT & CLAY =	29.2%

	Sieve Size	Total Sample % Passing	Specification	Pass / Fail Sieve Spec.
Coarse Gravel	3"			
↓	2"			
↓	1.5"	100.00%	**100**	**PASS**
↓	1"	98.65%		
Fine Gravel	3/4"	97.64%		
↓	1/2"			
↓	3/8"	93.16%		
↓	no. 3 or 1/4"			
Coarse Sand	no. 4	85.75%		
↓	no. 6			
↓	no. 8			
Medium Sand	no. 10	73.92%		
↓	no. 16			
↓	no. 20			
↓	no. 30			
Fine Sand	no. 40	46.84%		
↓	no.50			
↓	no.70			
↓	no. 100	33.76%		
↓	no. 140			
Silt & Clay	no. 200	29.23%		
↓	no. 270			

Notes: BS-4 Meets the specification for Vegetative Support Material.

Boring #	Depth (Ft.)	Sample #	Specimen Description	% Gravel	% Sand	% Fines	USCS	Water Content	Liquid Limit	Plastic Limit	Plasticity Index	Penetro - meter (tsf)	Torvane (tsf)	Dry Density (pcf)	Organic Content (%)	pH
BS-4	1.0		Bwn c-f SAND, some Silt, little c-f Gravel	14.2	56.5	29.2		23							12.5	6.3

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

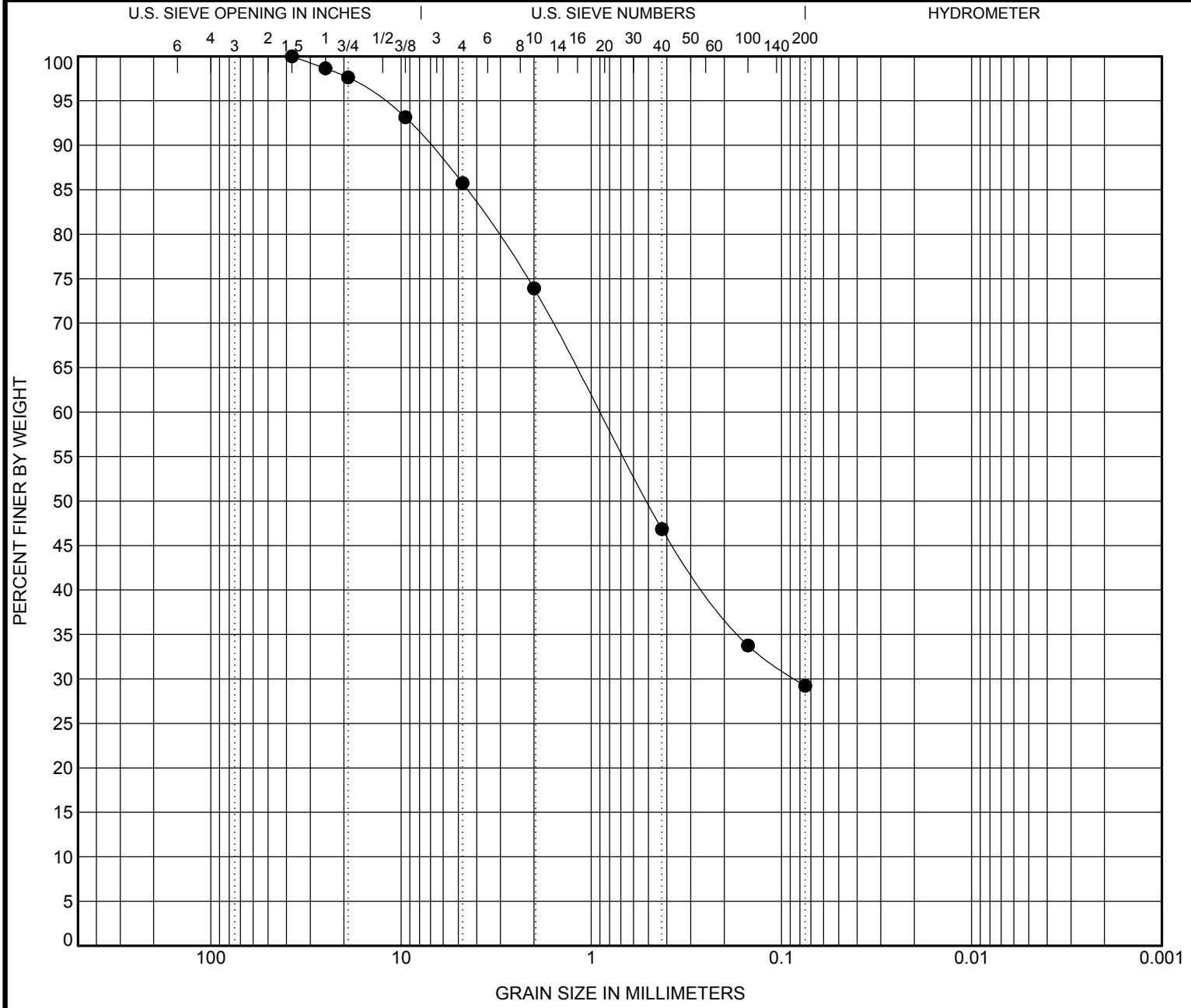
280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

Summary of Laboratory Results

Project No: **5467.01** Date: **5/10/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Identification	Classification	WC%	LL	PL	PI	Cc	Cu
●	**BS-4**	**Bwn c-f SAND, some Silt, little c-f Gravel**	**23.5**					

	Sample Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	Source of Material
●	**BS-4**	**37.5**	**0.902**	**0.084**		**14.2**	**56.5**	**29.2**		**Import (Liberty Trucking)**

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

GRAIN SIZE DISTRIBUTION

Project No: **5467.01** Date: **5/10/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**

Appendix N

Fill Material Receipts

Barrier Protection Material

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/18 20 10

M Scavo

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	~~SAND~~ DEAD	14.00		
30	~~BANK~~ RUN			
30	~~STONE~~			
120	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DK

SIGNATURE

LIBERTY TRUCKING

So. White Rock Rd., Holmes, N.Y. 12531

LEE SHULTZ
878-6587

Tues

DATE 5/18 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
20	SAND DEAD	14.00		
20	BANK RUN			
20	TOPSOIL			
	STONE			
60	ITEM NO. 4			
	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/18, 20 10

M SCAVO

Rt 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ Dead Sand	14.00		
20	SAND Dead			
20	~~BANK RUN~~ DEAD SAND			
20	~~STONE~~ DEAD SAND			
20	~~ITEM NO. 4~~ DEAD SAND			
100	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

9/06

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/19, 20 10

M SCAVO

Rt 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ DEAD SAND	14.00		
20	SAND DEAD			
20	~~BANK RUN~~ DEAD SAND			
20	~~STONE~~ DEAD SAND			
20	~~ITEM NO. 4~~ DEAD SAND			
	SCREENED TOPSOIL			
20	DEAD SAND			
120	TRUCKING			
	TAX %			
	TOTAL			

9/06

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/19 2010

M Scalvo

Hudson Heights

Yds/Ton	Description	Per Yd/Ton		
30	FILL			
30	SAND DEAD	14.00		
30	BANK RUN			
30	STONE			
30	ITEM NO. 4			
150	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

OKW DT

LIBERTY TRUCKING

So. White Rock Rd., Holmes, N.Y. 12531

LEE SHULTZ
878-6587

DATE 5/19 2010

M SCALVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
20	SAND DEAD	14.00		
20	BANK RUN			
20	TOPSOIL			
20	STONE			
20	ITEM NO. 4			
80	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

LEE SHULTZ
878-6587

So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/20 2010

M SCAVO
Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
20	SAND DEAD	SAND		
20	BANK RUN			
20	TOPSOIL			
20	STONE			
20	ITEM NO. 4			
100	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/20 2010

M Scavo
Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	SAND DEAD	14.00		
30	~~BANK RUN~~			
30	~~STONE~~			
30	ITEM NO. 4			
150	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02' KW DUMP TRAILER

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/20, 20 10

M SCAVO

Rt 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ Dead Sand	14.00		
20	SAND DEAD			
20	~~BANK RUN~~ DEAD SAND			
20	~~STONE~~ DEAD SAND			
20	~~ITEM NO. 4~~ DEAD SAND			
	SCREENED TOPSOIL			
20	Dead Sand			
120	TRUCKING			
	TAX %			
	TOTAL			

946

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/21, 20 10

M SCAVO

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	SAND DEAD	14.00		
30	~~BANK RUN~~			
30	~~STONE~~			
120	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMPTRUCK

LIBERTY II TRUCKING

LEE SHULTZ
878-6587

So. White Rock Rd., Holmes, N.Y. 12531

DATE 5/21, 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
20	SAND DEAD	14.00		
20	BANK RUN			
20	TOPSOIL			
20	STONE			
80	ITEM NO. 4			
	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY II TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N. Y. 12531

DATE 5/21, 20 10

M SCAVO

Rt 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ DEAD SAND	14.00		
20	SAND DEAD			
20	~~BANK RUN~~ DEAD SAND			
20	STONE DEAD SAND			
80	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

9661

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd. Holmes, N.Y. 12531

DATE 5/24 2010

M SCAVO

Rt 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	FILL DEAD SAND	14.00		
20	SAND DEAD			
40	BANK RUN			
	STONE			
	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

986/

SIGNATURE CR

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd. Holmes, N.Y. 12531

DATE 5/25 2010

M SCAVO

Rt 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	FILL DEAD SAND	14.00		
20	SAND DEAD			
~~20~~	~~BANK RUN~~ DEAD SAND			
22.62	STONE 21.59			
60	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

986/

[illegible]

[illegible]

13.90 TO BE RECALLED

22.62 TO MT

SIGNATURE CR

LIBERTY
TRUCKING

845-878-9294

200 South Rock Hill, Holmes, N.Y. 12531

DATE 5/24 2010

M SCAVO

To 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	~~THE~~ DEADSAND	14.00		
20	SAND DEAD			
20	~~SAND~~ DEAD SAND			
20	~~STONE~~ DEAD SAND			
80	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

SIGNATURE

LIBERTY TRUCKING

Sta. White Rock Rd., Holmes, N.Y. 12531

LEE SHULTZ
878-6587

DATE June 14, 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
20	FILL			
20	SAND DEAD	14.00		
20	BANK RUN			
20	TOPSOIL			
20	STONE			
100	ITEM NO. 4			
	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

Barrier Protection
6/14

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/15, 20 10

M SCAVO

Rt 9 POUGHKEEPSIE

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ DEAD SAND			
20	SAND Dead	14.00		
20	~~BANK RUN~~ DEAD SAND			
20	~~STONE~~ DEAD SAND			
20	~~ITEM NO. 4~~ DEAD SAND			
100	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

gv 06

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/15, 20 10

M SCAVO

HUDSON HERITAGE

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	SAND DEAD	14.00		
30	~~BANK RUN~~			
30	~~STONE~~			
30	~~ITEM NO. 4~~			
150	~~SCREENED TOPSOIL~~			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMP TRAILER

LIBERTY TRUCKING

LEE SHULTZ
878-6587

So. White Rock Rd., Holmes, N.Y. 12531

DATE June 15, 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL	14.00		
20	SAND			
20	BANK RUN			
20	TOPSOIL			
20	STONE			
	ITEM NO. 4			
	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/16 20 10

M SCAVO

Rt 9 POUGHKEEPSIE

Yds/Ton	Description	Per Yd/Ton		
20	~~Fill~~ DEAD SAND			
20	SAND DEAD	14.00		
20	~~BANK RUN~~ DEAD SAND			
20	~~STONE~~ DEAD SAND			
20	~~ITEM NO. 4~~ DEAD SAND			
100	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

SIGNATURE

LIBERTY TRUCKING

LEE SHULTZ
878-5587

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6-16 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
30	FILL			
20	SAND DEAD	14.00		
20	BANK RUN			
20	TOPSOIL			
20	STONE			
100	ITEM NO. 4			
	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6-16 20 10

M SCAVO

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	SAND DEAD	14.00		
30	~~BANK RUN~~			
30	~~STONE~~			
120	~~ITEM NO. 4~~			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 DUMP TRAILER

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/17 20 10

M SCAVO

HUDSON HERITAGE

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	SAND DEAD	14.00		
30	~~BANK RUN~~			
30	~~STONE~~			
30	~~ITEM~~ NO. 4			
150	~~SCREENED~~ TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMP TRAILER

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/17 20 10

M SCAVO

Rt 9 POUGHKEEPSIE

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ DEAD SAND			
20	SAND DEAD	14.00		
20	~~BANK RUN~~ DEAD SAND			
20	~~STONE~~ DEAD SAND			
80	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

964

SIGNATURE

LIBERTY TRUCKING

LEE SHULTZ
878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/17 20 10

M. SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
	SAND DEAD	14.00		
20	BANK RUN			
20	TOPSOIL			
20	STONE			
20	ITEM NO. 4			
20	SCREENED TOPSOIL			
	RIP RAP			
100	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/18 20 10

M. SCAVO

R 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	FILL DEAD Sand	14.00		
20	SAND DEAD			
20	BANK RUN DEAD SAND			
20	STONE DEAD SAND			
80	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6-18 20 10

M SAVO

HUDSON HERITAGE

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	~~SAND~~ DEPO	14.00		
30	~~BANK RUN~~			
30	~~STONE~~			
120	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMP TRAILER

LIBERTY TRUCKING

LEE SHULTZ
878-6587

200 White Rock Rd., Holmes, N.Y. 12531

DATE June 18 20 10

M SAVO

Yds/Ton	Description	Per Yd		
20	FILL			
20	SAND DEPO	14.00		
20	BANK RUN			
20	TOPSOIL			
20	STONE			
100	ITEM NO. 4			
	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHED RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/21 20 10

M SCAVO

HUDSON HERITAGE

Yds/Ton	Description	Per Yd/Ton		
30	~~FILL~~			
30	SAND DEAD	14.00		
30	~~BANK RUN~~			
30	~~STONE~~			
30	~~ITEM NO. 4~~			
150	~~SCREENED TOP~~SOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMP TRAILER

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/21 20 10

M SCAVO

RT 9 POUGHKEEPSIE

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ DEAD SAND	14.00		
20	SAND DEAD			
20	~~BANK RUN~~ DEAD SAND			
60	STONE			
	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

SIGNATURE

Gas Venting Layer

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0499
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155990
Date :6/14/10
Order No :05296

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :STD02038
TRUCK 02 TRAILER 038
In 2:15 pm
Out 2:26 pm

Gross : 59.50 tn MAN WT
Tare : 18.28 tn STORED
Net : 41.22 tn
tn

MATERIAL	Qty	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.220tn				

Loads :77 Tons : 41.20

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155990
Date :6/14/10
Order No :05296

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____
TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155913
Date :6/14/10
Order No :05296

DELIVERY TICKET

Customer: MH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST002038
TRUCK 02 TRAILER 038
In 9:36 am
Out 9:41 am

Gross : 58.82 tn MAN WT
Tare : 18.28 tn STORED
Net : 40.54 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc	TOTAL
R101 ICE CONTROL SAND	40.540tn				

Loads :75 Tons : [illegible]00

Ticket No :155913
Date :6/14/10
Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL!
(845) 221-2224 ext. 380

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

PO BOX 408 • STORMVILLE, NY 12582
PHONE (845) 221-2224 • (800) 724-8193 • FAX (845) 221-0489
www.redwingsandandgravel.com

ESTABLISHED 1963

Ticket No :155957
Date :6/14/10
Order No :05296

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS [illegible]SHWAY SAND. CONTACT: ERIC 914-490-7760..
(SHARES ENTRANCE WI[illegible] HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST002038
TRUCK 02 TRAILER 038
In 12:21 pm
Out 12:27 pm

Gross : 59.03 tn MAN WT
Tare : 18.28 tn STORED
Net : 40.75 tn
tn

MATERIAL		Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	40.750tn			

Loads :76 Tons : [illegible]0

Ticket No :155957
Date :6/14/10
Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

[illegible] CUSTOMER SIGNS OF 15 MIN [illegible]RLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

POWERED BY STORMVILLE TRUCKING

[illegible] HAVE RECEIVED THE ABOVE MATERIALS.

PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE

Invoice

JUN 14 2010

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058360-IN
Invoice Date: 6/9/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	42.46	42.46	0.00	10.00	424.60
TK#155462 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	375.77	375.77
TK#155462 Delivery			Whse: 000			
R101	TON	42.28	42.28	0.00	10.00	422.80
TK#155472 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	374.18	374.18
TK#155472 Delivery			Whse: 000			
R101	TON	42.39	42.39	0.00	10.00	423.90
TK#155499 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	375.15	375.15
TK#155499 Delivery			Whse: 000			
R101	TON	41.71	41.71	0.00	10.00	417.10
TK#155540 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	369.13	369.13
TK#155540 Delivery			Whse: 000			

Net Invoice:	3,182.63
Less Discount:	0.00
Freight:	0.00
Sales Tax:	258.59
Invoice Total:	3,441.22

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155540
Date :6/9/10
Order No :105296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Customer: 118220
HUDSON HERITAGE DEVELOPMENT
C/O SPC RESOURCES
20 E 20TH ST
NEW YORK, NY 10011

Deliver To:
HUDSON VALLEY CENTRAL MAINTENANCE
1332 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 458 7768.
(SHARED ENTRANCE WITH HOME DEPOT ON TURNER DRIVE WINDLOW ROAD)

Weigh Master:DAWN Dawn Hollis

Truck :DTD12102
TRUCK 12 TRAILER 102
In 12:17 pm
Out12:20 pm

Dawn Hollis

Gross : 59.96 tn MAN WT
Tare : 17.25 tn STORED
Net : 41.71 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.710tn				

Loads :70 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155499
Date :6/9/10
Order No :25296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH5000
HUDSON HERITAGE DEVELOPMENT
C/O CPC REQUIREMENTS
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible]
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CONTACT [illegible] 845 [illegible] FOR [illegible]
SHARES ENTRANCE WITH HOME DEPOT - 50 THINGS [illegible] WINDOW [illegible]

Weigh Master: DAWN Dawn Hollis Dawn Hollis

Truck :STO12109
TRUCK IS TRAILER 125
In 10:30 am
Out 10:35 am

Gross : 59.04 tn MAN WT
Tare : 17.25 tn 2 WRLD
Net : 42.39 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	42.390tn				

Loads :69 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :155499
Date :6/9/10
Order No :25296

Dutchess County

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155472
Date :6/9/10
Order No :85296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: [illegible]
HUDSON REGIONAL DEVELOPMENT
C/O CPC MEADOWCREST
28 E 18TH ST
NEW YORK, NY 10012

Deliver To:
[illegible] REGIONAL DEVELOPMENT
[illegible]
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible] 914 [illegible]
TOWARD ENTRANCE WITH HOME DEPOT 20 [illegible] DRIVE [illegible]

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck .ST012189
TRUCK 12 TRACTOR 10[illegible]
In 8:41 am
Out 5:49 am

Gross : 59.53 tn MAN WT
Tare : 17.33 tn STORED
Net : 42.20 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.20	[illegible]			

Loads :60 Time : 0.00

Ticket No :155472
Date :6/9/10

Order No :85296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155402
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer : 1018108
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3022 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT. ERIC 914 [illegible] 7/10.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDSOR RD.)

Weigh Master:DAWN Dawn Sollis

Dawn Sollis

Truck :CT012102
TRUCK TO TRAILER 102
In 6:40 am
Out 6:50 am

Gross : 59.71 tn MAN WT
Tare : 17.25 tn STORED
Net : 42.46 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.46tn				

Loads :67 Tons : 0.00

Ticket No :155402
Date :6/3/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Invoice

JUN 1 0 2010

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058006-IN
Invoice Date: 6/2/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	40.20	40.20	0.00	10.00	402.00
TK#154699 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	355.77	355.77
TK#154699 Delivery			Whse: 000			
R101	TON	40.62	40.62	0.00	10.00	406.20
TK#154700 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	359.49	359.49
TK#154700 Delivery			Whse: 000			
R	EA	1.00	1.00	0.00	357.89	357.89
TK#154743 Delivery			Whse: 000			
R101	TON	40.44	40.44	0.00	10.00	404.40
TK#154743 ICE CONTROL SAND			Whse: 000			
R101	TON	40.19	40.19	0.00	10.00	401.90
TK#154744 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	355.68	355.68
TK#154744 Delivery			Whse: 000			
R	EA	1.00	1.00	0.00	363.03	363.03
TK#154770 Delivery			Whse: 000			
R101	TON	41.02	41.02	0.00	10.00	410.20
TK#154770 ICE CONTROL SAND			Whse: 000			
R101	TON	40.11	40.11	0.00	10.00	401.10
TK#154771 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	354.97	354.97
TK#154771 Delivery			Whse: 000			
R101	TON	41.11	41.11	0.00	10.00	411.10
TK#154811 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	363.82	363.82
TK#154811 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058006-IN
Invoice Date: 6/2/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	40.41	40.41	0.00	10.00	404.10
TK#154812 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	357.63	357.63
TK#154812 Delivery			Whse: 000			
R101	TON	40.44	40.44	0.00	10.00	404.40
TK#154832 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	357.89	357.89
TK#154832 Delivery			Whse: 000			

Net Invoice:	6,871.57
Less Discount:	0.00
Freight:	0.00
Sales Tax:	558.32
Invoice Total:	7,429.89

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

1

Ticket No :154832
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7752.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :STD15040
TRUCK 15 TRAILER 040
In 4:15 pm
Out 4:21 pm

Gross : 59.33 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.44 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	40.440tn				

Loads :9 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154832
Date :6/2/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154812
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O DPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7700..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU19046
TRUCK 19 TRAILER 46
In 2:31 pm
Out 2:36 pm

Gross : 56.90 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.41 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.410tn				

Loads :8 Tons : 0.00

Ticket No :154812
Date :6/2/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154811
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CWC RESOURCES
20 E 20TH ST
NEW YORK, NY 10010

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: CRIS 914-400 7700.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU15040
TRUCK 15 TRAILER 040
In 2:00 pm
Out 2:30 pm

Gross : 60.00 tn MAN WT
Tare : 18.89 tn STORED
Net : 41.11 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	41.110tn				

Loads :7 Tons : 0.000

Ticket No :154811
Date :6/2/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154770
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2028
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
29 E 26TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :STU15040
TRUCK 15 TRAILER 040
In 12:03 pm
Out12:13 pm

Gross : 59.91 tn MAN WT
Tare : 18.09 tn STORED
Net : 41.02 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.020tn				

Loads :5 Tons : 0.00

Ticket No :154770
Date :6/2/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154771
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490 7700..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO19046
TRUCK 19 TRAILER 46
In 12:04 pm
Out12:20 pm

Gross : 56.60 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.11 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.110tn				

Loads :6 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :154771
Date :6/2/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154743
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CMC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3552 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7780..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST015040
TRUCK 15 TRAILER 040
In 10:06 am
Out10:15 am

Gross : 59.33 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.44 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.440tn				

Loads :3 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154743
Date :6/2/10
Order No :05296

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154744
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
20 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 408 7700..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST019046
TRUCK 19 TRAILER 46
In 10:06 am
Out10:20 am

Gross : 56.68 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.19 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.190tn				

Loads :4 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154744
Date :6/2/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____
TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154699
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CBC RESOURCES
20 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT. ERIC 914-490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :STO19046
TRUCK 19 TRAILER 46
In 7:40 am
Out 8:08 am

Gross : 56.69 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.20 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.200tn				

Loads :2 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154699
Date :6/2/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____
TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :154700
Date :6/2/10
Order No :05296

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :STO15040
TRUCK 15 TRAILER 040
In 7:41 am
Out 8:03 am

Gross : 59.51 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.62 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.620tn				

Loads :1 Tons : 0.00

Ticket No :154700
Date :6/2/10
Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

JUN 1 0 2010

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058060-IN
Invoice Date: 6/3/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	39.99	39.99	0.00	10.00	399.90
TK#154835 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	353.91	353.91
TK#154835 Delivery			Whse: 000			
R101	TON	40.29	40.29	0.00	10.00	402.90
TK#154837 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	356.57	356.57
TK#154837 Delivery			Whse: 000			
R101	TON	40.23	40.23	0.00	10.00	402.30
TK#154839 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	356.04	356.04
TK#154839 Delivery			Whse: 000			
R101	TON	40.84	40.84	0.00	10.00	408.40
TK#154857 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	361.43	361.43
TK#154857 Delivery			Whse: 000			
R101	TON	40.13	40.13	0.00	10.00	401.30
TK#154859 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	355.15	355.15
TK#154859 Delivery			Whse: 000			
R101	TON	42.01	42.01	0.00	10.00	420.10
TK#154860 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	371.79	371.79
TK#154860 Delivery			Whse: 000			
R101	TON	40.32	40.32	0.00	10.00	403.20
TK#154885 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	356.83	356.83
TK#154885 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058060-IN
Invoice Date: 6/3/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	40.57	40.57	0.00	10.00	405.70
TK#154886 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	359.04	359.04
TK#154886 Delivery			Whse: 000			
R101	TON	42.37	42.37	0.00	10.00	423.70
TK#154887 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	374.97	374.97
TK#154887 Delivery			Whse: 000			
R101	TON	41.06	41.06	0.00	10.00	410.60
TK#154912 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	363.38	363.38
TK#154912 Delivery			Whse: 000			
R101	TON	40.83	40.83	0.00	10.00	408.30
TK#154919 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	361.35	361.35
TK#154919 Delivery			Whse: 000			
R101	TON	41.73	41.73	0.00	10.00	417.30
TK#154921 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	369.31	369.31
TK#154921 Delivery			Whse: 000			
R101	TON	42.10	42.10	0.00	10.00	421.00
TK#154950 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	372.59	372.59
TK#154950 Delivery			Whse: 000			
R101	TON	40.73	40.73	0.00	10.00	407.30
TK#154951 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	360.46	360.46
TK#154951 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058060-IN
Invoice Date: 6/3/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	40.02	40.02	0.00	10.00	400.20
TK#154953 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	354.18	354.18
TK#154953 Delivery			Whse: 000			

Net Invoice:	11,559.20
Less Discount:	0.00
Freight:	0.00
Sales Tax:	939.19
Invoice Total:	12,498.39

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154886
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
[illegible]
29-E 28TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible] NORTH RD
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7700.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master: DAWN Dawn Hollis

Dawn Hollis

Truck :S1019046
TRUCK 19 TRAILER 46
In 10:29 am
Out 10:41 am

Gross : 57.06 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.57 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.57 0tn				

Loads :17 Tons : 0.00

Ticket No :154886
Date :6/3/10

Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154885
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
26 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
1532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490 7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU15040
TRUCK 15 TRAILER 040
In 10:26 am
Out10:37 am

Gross : 50.21 tn MAN WT
Tare : 10.89 tn STORED
Net : 40.32 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.32Otn				

Loads :16 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :154885
Date :6/3/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154912
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
29 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU15040
TRUCK 15 TRAILER 040
In 12:20 pm
Out12:30 pm

Gross : 59.95 tn MAN WT
Tare : 18.89 tn STORED
Net : 41.06 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.000tn				

Loads :19 Tons : 0.00

Ticket No :154912
Date :6/3/10

Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154919
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU19046
TRUCK 19 TRAILER 40
In 12:50 pm
Out12:59 pm

Gross : 57.32 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.83 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.830tn				

Loads :20 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :154919
Date :6/3/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :154951
Date :6/3/10
Order No :05296

Customer: HNE000
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 420 7700..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO19046
TRUCK 19 TRAILER 46
In 2:52 pm
Out 2:52 pm

Gross : 57.22 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.73 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	40.730tn				

Loads :22 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :154951
Date :6/3/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154835
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 HORTA RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7700..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST019046
TRUCK 19 TRAILER 46
In 6:49 am
Out 6:58 am

Gross : 56.48 tn MAN WT
Tare : 16.49 tn STORED
Net : 39.99 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	39.990tn				

Loads :10 Tons : 0.00

Ticket No :154835
Date :6/3/10

Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :154859
Date :6/3/10
Order No :05296

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3132 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 420 7160..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST019046
TRUCK 19 TRAILER 46
In 8:40 am
Out 8:48 am

Gross : 56.62 tn MAN WT
Tare : 16.49 tn STORED
Net : 40.13 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.130tn				

Loads :13 Tons : 0.000

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :154859
Date :6/3/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154857
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 400 7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST015040
TRUCK 15 TRAILER 040
In 8:44 am
Out 8:52 am

Gross : 59.73 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.84 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.840tn				

Loads :14 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154857
Date :6/3/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____
TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154837
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E. 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST015040
TRUCK 15 TRAILER 040
In 6:51 am
Out 6:58 am

Gross : 59.18 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.29 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	40.290tn				

Loads :11 Tons : 0.00

Ticket No :154837
Date :6/3/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL
P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154039
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490 7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST012109
TRUCK 12 TRAILER 109
In 6:58 am
Out 6:58 am

Gross : 57.48 tn MAN WT
Tare : 17.25 tn STORED
Net : 40.23 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.230tn				

Loads :12 Tons : 0.00

Ticket No :154039
Date :6/3/10
Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____
TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154860
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2029
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490-7760..
(SHARES ENTRANCE WITH HOME DEPO! - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST012109
TRUCK 12 TRAILER 109
In 8:49 am
Out 8:58 am

Gross : 59.26 tn MAN WT
Tare : 17.25 tn STORED
Net : 42.01 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.010tn				

Loads :15 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154860
Date :6/3/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____
TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL
P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154950
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM US

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-420-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STD12109
TRUCK 12 TRAILER 10'
In 2:48 pm
Out 2:56 pm

Gross : 59.35 tn MAN WT
Tare : 17.25 tn STORED
Net : 42.10 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.100tn				

Loads :23 Tons : 0.00

Ticket No :154950
Date :6/3/10
Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154921
Date :6/2/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-420-7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU12109
TRUCK 12 TRAILER 109
In 1:03 pm
Out 1:03 pm

Gross : 58.98 tn MAN WT
Tare : 17.25 tn STORED
Net : 41.73 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTRUL SAND	41.73Otn				

Loads :21 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154921
Date :6/3/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154887
Date :6/3/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CHC RESOURCES
20 E 20TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-408-7768.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST012109
TRUCK 12 TRAILER 109
In 10:29 am
Out10:46 am

Gross : 59.62 tn MAN WT
Tare : 17.25 tn STORED
Net : 42.37 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.370tn				

Loads :18 Tons : 0.00

Ticket No :154887
Date :6/3/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Invoice

JUN 1 0 2010

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058172-IN
Invoice Date: 6/6/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	36.20	36.20	0.00	10.00	362.00
TK#154973 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	320.37	320.37
TK#154973 Delivery			Whse: 000			
R101	TON	40.85	40.85	0.00	10.00	408.50
TK#154974 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	361.52	361.52
TK#154974 Delivery			Whse: 000			
R101	TON	42.07	42.07	0.00	10.00	420.70
TK#154976 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	372.32	372.32
TK#154976 Delivery			Whse: 000			
R101	TON	41.48	41.48	0.00	10.00	414.80
TK#154978 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	367.10	367.10
TK#154978 Delivery			Whse: 000			
R101	TON	41.11	41.11	0.00	10.00	411.10
TK#155005 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	363.82	363.82
TK#155005 Delivery			Whse: 000			
R101	TON	41.98	41.98	0.00	10.00	419.80
TK#155007 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	371.52	371.52
TK#155007 Delivery			Whse: 000			
R101	TON	41.96	41.96	0.00	10.00	419.60
TK#155008 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	371.35	371.35
TK#155008 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058172-IN
Invoice Date: 6/6/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	36.04	36.04	0.00	10.00	360.40
TK#155009 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	318.95	318.95
TK#155009 Delivery			Whse: 000			
R101	TON	40.10	40.10	0.00	10.00	401.00
TK#155036 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	354.89	354.89
TK#155036 Delivery			Whse: 000			
R101	TON	41.52	41.52	0.00	10.00	415.20
TK#155041 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	367.45	367.45
TK#155041 Delivery			Whse: 000			
R101	TON	42.05	42.05	0.00	10.00	420.50
TK#155043 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	372.14	372.14
TK#155043 Delivery			Whse: 000			
R101	TON	36.12	36.12	0.00	10.00	361.20
TK#155045 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	319.66	319.66
TK#155045 Delivery			Whse: 000			
R101	TON	41.11	41.11	0.00	10.00	411.10
TK#155073 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	363.82	363.82
TK#155073 Delivery			Whse: 000			
R101	TON	41.76	41.76	0.00	10.00	417.60
TK#155082 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	369.58	369.58
TK#155082 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058172-IN
Invoice Date: 6/6/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	41.93	41.93	0.00	10.00	419.30
TK#155083 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	371.08	371.08
TK#155083 Delivery			Whse: 000			
R101	TON	36.16	36.16	0.00	10.00	361.60
TK#155084 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	320.02	320.02
TK#155084 Delivery			Whse: 000			
R101	TON	40.77	40.77	0.00	10.00	407.70
TK#155103 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	360.81	360.81
TK#155103 Delivery			Whse: 000			

Net Invoice:	12,878.50
Less Discount:	0.00
Freight:	0.00
Sales Tax:	1,046.38
Invoice Total:	13,924.88

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155073
Date :6/4/10
Order No :05296

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CMC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2922 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 450 7708..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST015040
TRUCK 19 TRAILER 040
In 12:10 pm
Out12:10 pm

Gross : 60.00 tn NAW WT
Tare : 18.89 tn STORED
Net : 41.11 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.110tn				

Loads :37 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :155073
Date :6/4/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155036
Date :6/4/10
Order No :05296

Customer: HRD02
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
20 E 20TH ST
NEW YORK, NY 10010

Deliver to:
HUDSON HERITAGE DEVELOPMENT
2832 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 402 7760.
(CHARGE ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO15040
TRUCK 15 TRAILER 040
In 10:30 am
Out10:30 am

Gross : 50.99 tn MAN WT
Tare : 10.89 tn STORLD
Net : 40.10 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.100tn				

Loads :33 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155036
Date :6/4/10
Order No :05296

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155005
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: 1HUDSO
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3222 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 420 7702..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST015040
TRUCK 15 TRAILER 040
In 8:47 am
Out 8:47 am

Gross : 60.04 tn MAN WT
Tare : 18.93 tn STORED

Net : 41.11 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.110tn				

Loads :29 Tons : 0.00

Ticket No :155005
Date :6/4/10
Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154974
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HM2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-496-7700..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST015040
TRUCK 15 TRAILER 040
In 6:50 am
Out 6:58 am

Gross : 50.74 tn MAN WT
Tare : 10.89 tn STORED
Net : 40.85 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.850tn				

Loads :25 Tons : 0.00

Ticket No :154974
Date :6/4/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155103
Date :6/4/10
Order No :05296

Customer: HH0020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
20 E 20TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible] NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC [illegible]
(SHARED ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master: DAWN Dawn Hollis Dawn Hollis

Truck :ST005046
TRUCK #5 TRAILER 46
In 2:15 pm
Out 3:20 pm

Gross : 60.35 tn MAN WT
Tare : 17.58 tn STORED
Net : 40.77 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.77Btn				

Loads :41 Tons : 0.00

Ticket No :155103
Date :6/4/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155002
Date :6/4/10
Order No :05296

Customer: MILLER
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2232 NORTH RD.
HUDSON'V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490 7750.
TOWARDS ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDLOW RD.)

Weigh Master: DAWN Dawn Hollis Dawn Hollis

Truck : ST005046
TRUCK 05 TRAILER 46
In 1:19 pm
Out 1:19 pm

Gross : 59.34 tn MAN WT
Tare : 17.58 tn STORED
Net : 41.76 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.760tn				

Loads :38 Tons : 0.00

Ticket No :155002
Date :6/4/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155083
Date :6/4/10
Order No :05296

Customer: [illegible]
HUDSON HERITAGE DEVELOPMENT
C/O CBC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2502 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 498 7762..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO12109
TRUCK 12 TRAILER 109
In 1:22 pm
Out 1:22 pm

Gross : 59.19 tn MAN WT
Tare : 17.25 tn STORED
Net : 41.93 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.930tn				

Loads :39 Tons : 0.00

Ticket No :155083
Date :6/4/10

Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155084
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: 10620
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 498 7768.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master: DAWN Dawn Hollis Dawn Hollis

Truck : STO39141
STORMVILLE TRUCKING
In 1:20 pm
Out 1:20 pm

Gross : 53.46 tn MAN WT
Tare : 17.30 tn SLUMP
Net : 36.16 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	36.16 tn				

Loads :40 Tons : 0.00

Ticket No :155084
Date :6/4/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155045
Date :6/4/12
Order No :05296

Customer: HR005
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3552 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: CELL 914-498 7768..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO30141
STORMVILLE TRUCKING
In 11:04 am
Out11:04 am

Gross : 53.42 tn MAN W!
Tare : 17.30 tn STORED
Net : 36.12 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	36.12tn				

Loads :36 Tons : 0.00

Ticket No :155045
Date :6/4/12

Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155043
Date :6/4/10
Order No :05296

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3830 NORTH RD.
HUDSON V. VOYGHAIRIE CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS MILLWAY SAND. CONTACT: CELL 914 [illegible]
(SHARLS ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU12109
TRUCK 12 TRAILER 109
In 10:50 am
Out10:59 am

Gross : 59.30 tn MAN WI
Tare : 17.25 tn UTORED
Net : 42.05 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.050tn				

Loads :35 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155043
Date :6/4/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155041
Date :6/4/10
Order No :05296

Customer: HH0003
HUDSON HERITAGE DEVELOPMENT
C/O GTC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
JOHN ROWIN RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 408 7766.
(SHARED ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WENLLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :GT005046
TRUCK 05 TRAILER 46
In 10:41 am
Out10:50 am

Gross : 59.10 tn MAN WT
Tare : 17.50 tn STORED
Net : 41.50 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	41.500tn				

Loads :34 Tons : 0.00

Ticket No :155041
Date :6/4/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155007
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible]
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible]
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :S1005046
TRUCK 05 TRAILER 46
In 8:53 am
Out 8:53 am

Gross : 59.50 tn MAN WT
Tare : 17.50 tn STORED
Net : 41.98 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.980tn				

Loads :30 Tons : 0.00

Ticket No :155007
Date :6/4/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155008
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CHC MCGOURLEY
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible]
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU12109
TRUCK 12 TRAILER 109
In 8:54 am
Out 9:00 am

Gross : 59.21 tn MAN WT
Tare : 17.28 tn STORED
Net : 41.93 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	41.9600tn				

Loads :31 Tons : 0.00

Ticket No :155008
Date :6/4/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155000
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPL RESOURCES
28 E. 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
JESSE HORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible]
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST039141
STORMVILLE TRUCKING
In 8:57 am
Out 9:04 am

Gross : 53.34 tn MAN WT
Tare : 17.30 tn STORED
Net : 36.04 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	36.040tn				

Loads :32 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155000
Date :6/4/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :154973
Date :6/4/10
Order No :05296

Customer: HR2000
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3652 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490-7750..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO39141
STORMVILLE TRUCKING
In 6:47 am
Out 7:03 am

Gross : 53.50 tn MAN WT
Tare : 17.30 tn STORED
Net : 36.20 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	36.200tn				

Loads :28 Tons : 0.00

Ticket No :154973
Date :6/4/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :154976
Date :6/4/10
Order No :05296

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 498 7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO05046
TRUCK 05 TRAILER 46
In 6:55 am
Out 6:58 am

Gross : 59.65 tn MAN WT
Tare : 17.58 tn STORED
Net : 42.07 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.070tn				

Loads :26 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :154976
Date :6/4/10
Order No :05296

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154978
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2828
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 450-7766.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU12109
TRUCK 12 TRAILER 109
In 6:59 am
Out 6:59 am

Gross : 58.73 tn MAN WT
Tare : 17.25 tn STORED
Net : 41.48 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	41.480tn				

Loads :28 Tons : 0.00

Ticket No :154978
Date :6/4/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL
P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :154978
Date :6/4/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2820
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT. CRIS 914 420 7700..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST012109
TRUCK 12 TRAILER 109
In 6:59 am
Out 6:59 am

Gross : 58.73 tn MAN WT
Tare : 17.25 tn STORED
Net : 41.48 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	41.480tn				

Loads :27 Tons : 0.00

Ticket No :154978
Date :6/4/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Invoice

JUN 14 2010

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058245-IN
Invoice Date: 6/7/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	40.10	40.10	0.00	10.00	401.00
TK#155160 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	354.89	354.89
TK#155160 Delivery			Whse: 000			
R101	TON	42.42	42.42	0.00	10.00	424.20
TK#155161 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	375.42	375.42
TK#155161 Delivery			Whse: 000			
R101	TON	40.82	40.82	0.00	10.00	408.20
TK#155168 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	361.26	361.26
TK#155168 Delivery			Whse: 000			
R101	TON	40.71	40.71	0.00	10.00	407.10
TK#155195 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	360.28	360.28
TK#155195 Delivery			Whse: 000			
R101	TON	41.75	41.75	0.00	10.00	417.50
TK#155197 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	369.49	369.49
TK#155197 Delivery			Whse: 000			
R101	TON	40.21	40.21	0.00	10.00	402.10
TK#155204 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	355.86	355.86
TK#155204 Delivery			Whse: 000			
R101	TON	40.50	40.50	0.00	10.00	405.00
TK#155231 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	358.43	358.43
TK#155231 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058245-IN
Invoice Date: 6/7/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	41.29	41.29	0.00	10.00	412.90
TK#155232 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	365.42	365.42
TK#155232 Delivery			Whse: 000			
R101	TON	41.80	41.80	0.00	10.00	418.00
TK#155240 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	369.93	369.93
TK#155240 Delivery			Whse: 000			
R101	TON	40.61	40.61	0.00	10.00	406.10
TK#155241 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	359.40	359.40
TK#155241 Delivery			Whse: 000			
R101	TON	40.70	40.70	0.00	10.00	407.00
TK#155262 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	360.20	360.20
TK#155262 Delivery			Whse: 000			
R101	TON	41.61	41.61	0.00	10.00	416.10
TK#155264 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	368.25	368.25
TK#155264 Delivery			Whse: 000			
R101	TON	40.62	40.62	0.00	10.00	406.20
TK#155271 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	359.49	359.49
TK#155271 Delivery			Whse: 000			
R101	TON	41.24	41.24	0.00	10.00	412.40
TK#155273 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	364.97	364.97
TK#155273 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058245-IN
Invoice Date: 6/7/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	40.72	40.72	0.00	10.00	407.20
TK#155282 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	360.37	360.37
TK#155282 Delivery			Whse: 000			
R101	TON	41.94	41.94	0.00	10.00	419.40
TK#155299 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	371.17	371.17
TK#155299 Delivery			Whse: 000			

Net Invoice:	12,385.23
Less Discount:	0.00
Freight:	0.00
Sales Tax:	1,006.30
Invoice Total:	13,391.53

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155264
Date :6/7/10
Order No :05295

Customer: HRDSON
HUDSON HERITAGE DEVELOPMENT
C/O CBC RESOURCES
58 E 25TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: LARRY 914 450 7708..
(SHARES ON RANGE WITH HUME DEPOT - OLD PARGAS GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO12109
TRUCK 12 TRAILER 10U
In 12:30 pm
Out 12:35 pm

Gross : 56.00 tn MAN WT
Tare : 14.39 tn STORED
Net : 41.61 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.610tn				

Loads :53 Tons : 0.00

Ticket No :155264
Date :6/7/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155197
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES "IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH8E8
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12603

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490 7768..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis Dawn Hollis

Truck :ST012109
TRUCK 12 TRAILER 109
In 8:40 am
Out 8:56 am

Gross : 59.00 tn MAN WT
Tare : 17.25 tn STORED
Net : 41.75 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.750tn				

Loads :46 Tons : 0.00

Ticket No :155197
Date :6/7/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Ticket No :155161
Date :6/7/10
Order No :05296

Customer: HH2520
HUDSON HERITAGE DEVELOPMENT
C/O CAL RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3936 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 [illegible] 7760..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO12109
TRUCK 12 TRAILER 109
In 6:40 am
Out 6:58 am

Gross : 59.67 tn MAN WT
Tare : 17.25 tn STORED
Net : 42.42 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.42tn				

Loads :43 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155161
Date :6/7/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155232
Date :6/7/10
Order No :05296

Customer: HH2028
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
20 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible] ROUTE 55
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: CRIL 914 420 7764.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST012109
TRUCK 12 TRAILER 109
In 10:41 am
Out10:41 am

Gross : 58.54 tn MAN WT
Tare : 17.25 tn STORED
Net : 41.29 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.290tn				

Loads :49 Tons : 0.00

Ticket No :155232
Date :6/7/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155168
Date :6/7/10
Order No :05296

Customer: HH2028
HUDSON HERITAGE DEVELOPMENT
C/O CPC MEUDURCLS
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-490-7708..
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STD02038
TRUCK 02 TRAILER 038
In 7:03 am
Out 7:22 am

Gross : 59.10 tn MAN WT
Tare : 18.28 tn STORED
Net : 40.82 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.82tn				

Loads :44 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155168
Date :6/7/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Ticket No :155204
Date :6/7/10
Order No :05296

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
GOLDER RESOURCES
28-E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2832 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-[illegible]
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINGLOW RD.)

Weigh Master:DAWN Dawn Hollis

Truck :STU02038
TRUCK 02 TRAILER 038
In 9:16 am
Out 9:30 am

Dawn Hollis

Gross : 58.49 tn MAN WT
Tare : 18.28 tn STORED
Net : 40.21 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	40.210tn				

Loads :47 Tons : 0.00

Ticket No :155204
Date :6/7/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155241
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O CAL ROUSKILLS
20 E 20TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
JESSE HORTT RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-472 7708.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master :DAWN Dawn Hollis

Dawn Hollis

Truck :51002038
TRUCK 02 TRAILER 038
In 11:21 am
Out11:21 am

Gross : 58.89 tn MAN WT
Tare : 18.28 tn STORED

Net : 40.61 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.61tn				

Loads :51 Tons : 0.00

Ticket No :155241
Date :6/7/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155271
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Customer: HH2000
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
20 E 20TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2600 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: CRIG 914 496-7700.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINGLOW RD.)

Weigh Master:DAWN Dawn Mollis

Dawn Mollis

Truck :6TC02030
TRUCK 02 TRAILER 030
In 11:13 pm
Out 1:20 pm

Gross : 58.90 tn MAN WT
Tare : 18.28 tn STORED
Net : 40.62 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.620tn				

Loads :55 Tons : 0.00

Ticket No :155271
Date :6/7/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $

Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155282
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: 1N0020
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
30 E 20TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3502 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12603

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 420 7700.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master: DAWN Dawn Hollis Dawn Hollis

Truck :ST015040
TRUCK IS TRAILER 040
In 2:12 pm
Out 2:13 pm

Gross : 59.61 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.72 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.720tn				

Loads :56 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155282
Date :6/7/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____
TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155299
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HOGELO
HUDSON HERITAGE DEVELOPMENT
C/O CHC HOGELOGELO
20 E 20TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2500 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: LYNC 914 400-7108.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU05046
TRUCK 48 TRAILER 40
In 3:15 pm
Out 3:24 pm

Gross : 59.52 tn MAN WT
Tare : 17.58 tn STORED
Net : 41.94 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.940tn				

Loads :57 Tons : 0.00

Ticket No :155299
Date :6/7/10
Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155273
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2000
HUDSON HERITAGE DEVELOPMENT
C/O CPC REGUNALD
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3552 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible]
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST005046
TRUCK 05 TRAILER 46
In 1:13 pm
Out 1:21 pm

Gross : 58.82 tn MAN WT
Tare : 17.58 tn STORED
Net : 41.24 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.240tn				

Loads :54 Tons : 0.00

Ticket No :155273
Date :6/7/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Ticket No :155262
Date :6/7/10
Order No :05296

Customer: HH2520
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2436 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-408-7760.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINGLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO15040
TRUCK IS TRAILER 040
In 12:23 pm
Out12:23 pm

Gross : 59.50 tn MAN WT
Tare : 18.80 tn STORED
Net : 40.70 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.700tn				

Loads :52 Tons : 0.00

Ticket No :155262
Date :6/7/10

Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155240
Date :6/7/10
Order No :052296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2820
HUDSON HERITAGE DEVELOPMENT
C/O DYE KLOURKELLS
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible]
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible] 496 7700.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master: DAWN Dawn Hollis Dawn Hollis

Truck : 15:005046
TRUCK 05 TRAILER 46
In 11:10 am
Out 11:15 am

Gross : 59.38 tn MAN WT
Tare : 17.58 tn STORED
Net : 41.80 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.800tn				

Loads :50 Tons : 0.00

Ticket No :155240
Date :6/7/10
Order No :052296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155231
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HR2000
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3555 MOORE RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 490-7702.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDSOR RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST015040
TRUCK IS TRAILER 040
In 10:36 am
Out10:36 am

Gross : 55.32 tn MAN WT
Tare : 15.82 tn STORED
Net : 40.50 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.500tn				

Loads :48 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :155231
Date :6/7/10
Order No :05296

Dutchess County

Red Wing
SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing
SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155195
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
270 CPC RESOURCES
20 E 20TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3435 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914-400-7700.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STU15040
TRUCK 15 TRAILER 040
In 8:42 am
Out 8:46 am

Gross : 59.60 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.71 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.710tn				

Loads :45 Tons : 0.00

Ticket No :155195
Date :6/7/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155160
Date :6/7/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Customer: HH2020
HUDSON HERITAGE DEVELOPMENT
C/O LPC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible] ROUTE 9D
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY SAND. CON-ROTE [illegible]
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDLOW RD.)

Weigh Master: DAWN Dawn Hollis

Dawn Hollis

Truck 0701S044
TRUCK 12 TRAILER 040
In 6:47 am
Out 6:57 am

Gross : 58.99 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.10 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.10Qtn				

Loads :42 Tons : 0.200

Ticket No :155160
Date :6/7/10

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

JUN 14 2010

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058303-IN
Invoice Date: 6/8/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	41.06	41.06	0.00	10.00	410.60
TK#155311 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	363.38	363.38
TK#155311 Delivery			Whse: 000			
R101	TON	42.26	42.26	0.00	10.00	422.60
TK#155313 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	374.00	374.00
TK#155313 Delivery			Whse: 000			
R101	TON	40.31	40.31	0.00	10.00	403.10
TK#155347 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	356.74	356.74
TK#155347 Delivery			Whse: 000			
R101	TON	42.03	42.03	0.00	10.00	420.30
TK#155348 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	371.97	371.97
TK#155348 Delivery			Whse: 000			
R101	TON	40.65	40.65	0.00	10.00	406.50
TK#155374 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	359.75	359.75
TK#155374 Delivery			Whse: 000			
R101	TON	41.90	41.90	0.00	10.00	419.00
TK#155379 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	370.82	370.82
TK#155379 Delivery			Whse: 000			
R101	TON	41.05	41.05	0.00	10.00	410.50
TK#155402 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	363.29	363.29
TK#155402 Delivery			Whse: 000			

Continued

Invoice

Red Wing Properties
675 Leetown Road
PO Box 408
Stormville, NY 12582
8452212224

Invoice Number: 1058303-IN
Invoice Date: 6/8/2010

Order Number:
Order Date
Salesperson: 0014
Customer Number: HH2828

Sold To:
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
28 EAST 28TH ST
New York, NY 10016
Confirm To:

Ship To:
HUDSON HERITAGE DEVELOPMENT
3532 NORTH RD
HUDSON VALLEY PSYCH CENTER
Poughkeepsie, NY 12601

Customer P.O.	Ship VIA	F.O.B.	Terms
			Net 30

Item Number	Unit	Ordered	Shipped	Back Ordered	Price	Amount
R101	TON	42.42	42.42	0.00	10.00	424.20
TK#155406 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	375.42	375.42
TK#155406 Delivery			Whse: 000			
R101	TON	40.07	40.07	0.00	10.00	400.70
TK#155421 ICE CONTROL SAND			Whse: 000			
R	EA	1.00	1.00	0.00	354.62	354.62
TK#155421 Delivery			Whse: 000			

Net Invoice:	7,007.49
Less Discount:	0.00
Freight:	0.00
Sales Tax:	569.36
Invoice Total:	7,576.85

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155347
Date :6/8/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HR0020
HUDSON HERITAGE DEVELOPMENT
C/O LPO MIDDLEBURG
20 E 20TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
NEW NORTH RD.
HUDSON V. POUGHKEEPSIE CENTER
POUGHKEEPSIE, NY 12603

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: ERIC 914 798-7762.
(SHARED ENTRANCE WITH HOME DEPOT 30 HUDSON SITES - WINDOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO15040
TRUCK 15 TRAILER 040
In 8:40 am
Out 8:51 am

Gross : 59.20 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.31 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.31				

Loads :60 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155347
Date :6/8/10
Order No :05296

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155486
Date :6/8/10
Order No :105206

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM"

DELIVERY TICKET

Customer: MAGGIE
HUDSON HERITAGE DEVELOPMENT
C/O ERIC MELLINGER
20 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
[illegible]
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER TO [illegible] HIGHWAY [illegible] 845 [illegible]
[illegible] ENTRANCE WITH HOME DEPOT [illegible] WINDLOW RD.

Weigh Master: DAWN Dawn Hollis Dawn Hollis

Truck :ST005846
TRUCK 05 TRAILER 40
In 12:52 pm
Out 12:53 pm

Gross : 68.00 tn MAN WT
Tare : 19.58 tn STORED
Net : 48.42 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
M101 ICE CONTROL SAND	48.42 tn				

Loads :65 Tons : 0.00

Ticket No :155486
Date :6/8/10
Order No :105206

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155370
Date :6/8/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: 100000
HUDSON HERITAGE DEVELOPMENT
C/O CPC RESOURCES
20 E 28th ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
2232 ROUTE 82
HUDSON VALLEY PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks: DELIVER FULL LOADS HIGHWAY DEPT. CONTACT: [illegible]
TRUCKS ENTRANCE WITH DUMP [illegible] - [illegible] - WINDSOR RD.

Weigh Master: DAWN Dawn Mollis Dawn Mollis

Truck : ST005046
TRUCK 40 TRAILER 40
In 10:53 am
Out 10:53 am

Gross : 50.48 tn MAN WT
Tare : 17.58 tn STORED
Net : 41.90 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.900tn				

Loads :63 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :155370
Date :6/8/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155340
Date :6/9/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2000
HUDSON HERITAGE DEVELOPMENT
C/O CHE MCGARRELL
28 E 28TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
[illegible]
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible]
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINDLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :ST005046
TRUCK 05 TRAILER 46
In 8:40 am
Out 8:56 am

Gross : 59.61 tn MAN WT
Tare : 17.58 tn STORED
Net : 42.03 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	42.030tn				

Loads :61 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :155340
Date :6/9/10
Order No :05296

Dutchess County

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155313
Date :6/8/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Customer: HH2520
HUDSON HERITAGE DEVELOPMENT
C/O CAL RESOURCES
20 E 20TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
3836 MORIR RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: CRIS 914 408 7688.
(SHARES ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STOPSAME
TRUCK 65 TRAILER 46
In 6:40 am
Out 6:50 am

Gross : 59.84 tn MAN WT
Tare : 17.58 tn STORED
Net : 42.26 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	42.26Mtn				

Loads :59 Tons : 0.00

Ticket No :155313
Date :6/8/10

Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL:
(845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155374
Date :6/8/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: 1M2000
HUDSON HERITAGE DEVELOPMENT
C/O DPC RESOURCES
20 E 20TH ST
NEW YORK, NY 10016

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2600 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: CHRIS 914 466 1500.
(BARRED ENTRANCE 4TH HOME DEPOT - GO TO FRONT OFFICE WINDOW RD.)

Weigh Master:DAWN Dawn Mollis

Dawn Mollis

Truck :STO15040
TRUCK 15 TRAILER 040
In 10:31 am
Out10:38 am

Gross : 59.54 tn MAN WT
Tare : 18.89 tn STORED
Net : 40.65 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.650tn				

Loads :62 Tons : 0.00

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Ticket No :155374
Date :6/8/10
Order No :05296

Red Wing SAND & GRAVEL BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST

POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155311
Date :6/8/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

"IF IT ISN'T GROWN, IT COMES FROM A MINE"

DELIVERY TICKET

Customer: HH2528
HUDSON HERITAGE DEVELOPMENT
L/U UPL REWURKLED
29 E 26TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
3558 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible] 914-[illegible] 7760..
(SHARED ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :8710154440
TRUCK 15 TRAILER 040
In 6:42 am
Out 6:59 am

Gross : 59.95 tn MAN WT
Tare : 19.00 tn STORED
Net : 41.00 tn
tn

MATERIAL		QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101	ICE CONTROL SAND	41.00tn				

Loads :58 Tons : 0.00

Ticket No :155311
Date :6/8/10

Order No :05296

Material $
Delivery $
Misc $
Dutchess County Tax $
Total $

Red Wing
SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing
SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A MINE

DELIVERY TICKET

Ticket No :155400
Date :6/8/10
Order No :05296

Customer: Hudson
HUDSON HERITAGE DEVELOPMENT
C/O CMC RESOURCES
28 E 28TH ST
NEW YORK, NY 10016

Deliver to:
HUDSON HERITAGE DEVELOPMENT
2608 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: CRIG [illegible] 728-[illegible]
(CHANGE ENTRANCE WITH RUME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Mollis

Truck :ST015040
TRUCK 15 TRAILER 040
In 12:25 pm
Out12:25 pm

Dawn Mollis

Gross : 80.04 tn MAN WT
Tare : 38.99 tn STORED
Net : 41.05 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	41.050tn				

Loads :64 Tons : 0.00

Ticket No :155400
Date :6/8/10
Order No :05296

Dutchess County

Material $
Delivery $
Misc $
Tax $
Total $

Red Wing SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing SAND & GRAVEL
MILAN, NY

QUALITY SINCE 1969

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

Red Wing
SAND & GRAVEL

P.O. BOX 408 • STORMVILLE, NY 12582
PHONE: (845) 221-2224 • (800) 724-8193 • FAX: (845) 221-0433
www.redwingsandandgravel.com

ESTABLISHED 1969

Ticket No :155421
Date :6/8/10
Order No :05296

QUALITY CONSTRUCTION AGGREGATES

IF IT ISN'T GROWN, IT COMES FROM A QUARRY

DELIVERY TICKET

Customer: N02960
HUDSON HERITAGE DEVELOPMENT
C/O OPE RESOURCES
23 E 20TH ST
NEW YORK, NY 10010

Deliver To:
HUDSON HERITAGE DEVELOPMENT
2512 NORTH RD.
HUDSON V. PSYCHIATRIC CENTER
POUGHKEEPSIE, NY 12601

Remarks:DELIVER FULL LOADS HIGHWAY SAND. CONTACT: [illegible]
(SHARED ENTRANCE WITH HOME DEPOT - GO THROUGH GATES - WINSLOW RD.)

Weigh Master:DAWN Dawn Hollis

Dawn Hollis

Truck :STO15840
HOUR 12 TRAILER SAND
In 2:02 pm
Out 2:19 pm

Gross : 50.95 tn MAN WT
Tare : 10.02 tn STORED
Net : 40.07 tn
tn

MATERIAL	QTY	Price	Delivery Charge	Misc Charge	TOTAL
R101 ICE CONTROL SAND	40.07000n				

Loads :66 Tons : 0.00

Material $
Delivery $
Misc $
Tax $
Total $

Ticket No :155421
Date :6/8/10
Order No :05296

Dutchess County

Red Wing
SAND & GRAVEL
BILLINGS, NY

SAND, GRAVEL, SCREENED TOPSOIL, DECORATIVE STONE, MULCH, RIVER ROCK, BEACH SAND

Red Wing
SAND & GRAVEL
MILAN, NY

SHIPMENT INFORMATION

STARTING TIME _____

TIME FINISHED _____

UNLOADING TIME IN EXCESS OF 15 MIN WILL BE CHARGED AN HOURLY RATE

FOR DELIVERY CALL: (845) 221-2224 ext. 350

ST
POWERED BY STORMVILLE TRUCKING

I ACKNOWLEDGE THAT I HAVE RECEIVED THE ABOVE MATERIALS.

CUSTOMER SIGNATURE DATE PRINT NAME

CUSTOMER MUST SIGN AGREEMENT BEFORE TRUCK ENTERS HIS/HER PROPERTY

DELIVERY AGREEMENT: I, the undersigned, do hereby certify that my property is suitable for delivery of the materials contained in this delivery vehicle. I have prepared an area which can accommodate the delivery and have cleared all obstacles. I am fully responsible for any and all damages which may occur to my property during this delivery. "Damages" defined as sidewalks, driveways, lawns, buildings, powerlines, septic, trees and shrubbery. In signing this document I agree to pay any towing charges incurred if the delivery vehicle becomes stuck on my property.

CUSTOMER SIGNATURE DATE PRINT NAME

QUALITY SINCE 1969

Grout Material

BULLDOG CONCRETE

Anytime, Anywhere, Anything!

61 Walker Rd.
Hopewell Jct, NY 12533
(845) 724-5455

Date 1/6/00

Sold To SCAVCO

Address RT 9 STATE

Lot # DUMP WELLS / PIPE

Quantity	Yards	Description	Price	Amount
6.5	Yards	3000 PSI	106.00	689.00
	Add Mix			
9.0 HRS	OT	50.00	200.00	
	Del.			889.00
		1725		72.20
Notes:		Check #	Tax	
		961.23	Total	961.23

SUBJECT TO THE FOLLOWING CONDITIONS

ADDED INGREDIENTS

Purchaser assumes full responsibility for the strength, slump, and quality of concrete when additional water or other ingredients are requested on the job.

WATER SIGNED FOR BY _____ GALLONS OF WATER ADDED _____ ADDITIVES ADDED _____

DETENTION OF TRUCKS AT THE BUILDING SITE

Purchaser will be allowed 30 minutes free loading time for the first yard after arrival of truck on job. Delay caused by purchaser which exceeds this time will be charged at the rate of $ 50 per hour. No claims for delays encountered in delivery will be allowed as all deliveries are made to the best of our ability to dispatch and are subject to traffic and/or weather conditions.

ALL ORDER ARE FOR STREET CURB DELIVERY

I, the undersigned, will assume all responsibility for any damage where delivery is made inside of the curb.

Signature _____

Vegetative Support Material

LEE SHULTZ
878-6587

DATE 6/22 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
20	FILL	14.00		
20	SAND			
40	BANK RUN			
20	TOPSOIL	18.00		
20	STONE			
20	ITEM NO. 4			
60	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LS

LEE SHULTZ
878-6587

DATE 6/23 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
20	SAND			
20	BANK RUN			
20	TOPSOIL	18.00		
20	STONE			
80	ITEM NO. 4			
	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LS

LIBERTY TRUCKING

So. White Rock Rd., Holmes, N.Y. 12531

LEE SHULTZ
878-6587

DATE 6/24 20 10

M SCAVO
Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
20	SAND			
20	BANK RUN			
20	TOPSOIL	18.00		
20	STONE			
20	ITEM NO. 4			
100	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/25 20 10

M SCAVO
Rt 9 Poughkeepsie

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ TOPSOIL	18.00		
20	~~SAND~~ TOPSOIL			
20	~~BANK RUN~~ TOPSOIL			
20	~~STONE~~ TOPSOIL			
20	~~ITEM NO. 4~~ TOPSOIL			
20	~~SCREENED~~ TOPSOIL			
120				
	TRUCKING			
	TAX %			
	TOTAL			

8/06/

SIGNATURE

LIBERTY II TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6-24 20 10

M SCAVO

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	FILL TOP	18.00		
30	SAND			
30	BANK RUN			
30	STONE			
120	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMP TRAILER

LIBERTY II TRUCKING

LEE SHULTZ
878-6587

200 White Rock Rd., Holmes, N.Y. 12531

DATE 6/25 20 10

M SCAVO

Poughkeepsie

Yds/Ton	Description	Per Yd		
	FILL			
20	SAND			
20	BANK RUN			
20	TOPSOIL	18.00		
20	STONE			
20	ITEM NO. 4			
100	SCREENED TOPSOIL			
	RIP RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/28 20 10

M SCAVO

Rt 9 POUGHKEEPSIE

Yds/Ton	Description	Per Yd/Ton		
20	~~FILL~~ TOPSOIL	18.00		
20	~~SAND~~ TOPSOIL			
20	~~BANK RUN~~ TOPSOIL			
20	~~STONE~~ TOPSOIL			
20	~~ITEM NO. 4~~ TOPSOIL			
20	~~SCREENED~~ (TOPSOIL)			
120				
	TRUCKING			
	TAX %			
	TOTAL			

Paid

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/28 20 10

M Scavo

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	FILL TOP	18.00		
30	~~SAND~~			
30	~~BANK RUN~~			
30	~~STONE~~			
30	~~ITEM NO. 4~~			
150	~~SCREENED TOPSOIL~~			
	TRUCKING			
	TAX %			
	TOTAL			

02 DUMP TRAILER

SIGNATURE

LIBERTY II TRUCKING

845-878-9294

200 So. White Rock Rd. Holmes, N.Y. 12531

DATE 6/29 2010

M Scavo

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	FILL TOP	18.00		
30	~~SAND~~			
30	~~BANKRUN~~			
30	~~STONE~~			
120	~~ITEM NO. 4~~			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 DUMP TRAILER

SIGNATURE

LIBERTY TRUCKING

LEBSHUTZ
878-6587

So. White Rock Rd., Holmes, N.Y. 12531

DATE 6 30 20 10

M SCAVO

Yds/Ton	Description	Per Yd		
	FILL 3 LOADS	78 PER LOAD		
	SAND			
	BANK RUN			
20	TOPSOIL	18.00		
20	STONE			
20	ITEM NO. 4			
60	SCREENED TOPSOIL			
	RIP-RAP			
	CRUSHER RUN			
	TRUCKING			
	TAX %			
	TOTAL			

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 6/30 20 10

M SCAVO

HUDSON HERITAGE

Cyds/Ton	Description	Per Yd/Ton		
30	FILL	18.00		
30	~~SAND~~			
30	~~BANK RUN~~			
30	~~STONE~~			
120	~~ITEM NO. 4~~			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMPTRAILER

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 7-1 20 10

M Scavo

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	FILL DOP	18.00		
30	~~SAND~~			
30	~~BANK RUN~~			
30	~~STONE~~			
120	~~ITEM NO. 4~~			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMP TRAILER

SIGNATURE

LIBERTY TRUCKING

845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531

DATE 7/2 20 10

M Scavo

Hudson Heritage

Yds/Ton	Description	Per Yd/Ton		
30	FILL DOP	18.00		
30	~~SAND~~			
30	~~BANK RUN~~			
30	~~STONE~~			
120	~~ITEM NO. 4~~			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

02 KW DUMP TRAILER

SIGNATURE

[redacted]

LIBERTY TRUCKING • 845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531 DATE 7-2 20 10

M SCAVO

POK JOB

Yds/Ton	Description	Per Yd/Ton		
	BLACKTOP			
	CONCRETE			
14.77	CON W/STEEL	14.00		
16.26	~~BRICKS~~			
31.03	MISC.			
	TAX %			
	TOTAL			

IN	30.26	31.75
OUT	15.49	15.49
TOTAL	14.77	16.26

SIGNATURE

LIBERTY TRUCKING • 845-878-9294

200 So. White Rock Rd., Holmes, N.Y. 12531 DATE 7-2 20 10

M SCAVO

Yds/Ton	Description	Per Yd/Ton		
20	FILL TOP	18.00		
~~20~~	~~SAND~~			
40	BANK RUN			
	STONE			
	ITEM NO. 4			
	SCREENED TOPSOIL			
	TRUCKING			
	TAX %			
	TOTAL			

@ 1 TON

SIGNATURE

Appendix O

GCL Product Certification

CETCO **218 Industrial Park Dr Cartersville, GA 30121** **Computation Sheet: GRI Accredited ASTM D-5887, Index Flux**

Sample: ST
Lot #: 201003CV
Roll#: 2
Project # : Cetco

Permeability equation : ((0.879*Thickness)/(2*Pi*r^2*Time))*ln(Change in Head)

Flux equation : ((Inflow+Outflow)/200)/Pi*r^2/Time

Initial Thickness: 0.72 cm. **Hydration :** 48 hrs **Permeant :** De-aired Water

Test Position: 3 **Initial Head :** 2 psi 140.6 cm. **Analyst :** MM **Date:** 1/19/10

Cell Size: 4 in. **Max. Effective Stress:** 5 psi 34.5 kPa **Requested by :** **Date Started:** 1/13/10

Final Thickness: 0.76 cm. *** indicates value meets Flux Ratio ASTM termination criteria**

Conversions : 1 psi = 2.307 feet of head 1 foot of head = 30.48 cm 1 psi = 70.32 cm Flux (English) = Flux * 9.2366E+10

Date	Time (min)	Reading In	X	Reading Out	Y	X-Y	Head (cm)	H (cm)	Initial K (cm/sec)	Initial Flux ($m^3/m^2/sec$)		Avg Flux ($m^3/m^2/sec$)	Final K (cm/sec)	Final Flux (Gal/Acre /Day)	Inflow to Outflow Ratio
1/18/10	0	1.0	23.0	24.0	0.0	23.0	140.63	163.63							
	138	1.6	22.4	23.9	0.1	22.3	140.63	162.93	2.02E-09	5.21E-09			2.13E-9		6.00
	245	2.0	22.0	23.6	0.4	21.6	140.63	162.23	2.62E-09	6.72E-09			2.76E-9		1.33
	357	2.2	21.8	23.4	0.6	21.2	140.63	161.83	1.43E-09	3.67E-09			1.51E-9		1.00
1/19/10	1264	4.1	19.9	21.3	2.7	17.2	140.63	157.83	1.80E-09	4.53E-09	*		1.89E-9		0.90
	1354	5.0	19.0	20.5	3.5	15.5	140.63	156.13	7.83E-09	1.94E-08			8.26E-9		1.13
	1414	5.3	18.7	20.2	3.8	14.9	140.63	155.53	4.17E-09	1.03E-08			4.41E-9		1.00
	1504	5.8	18.2	19.8	4.2	14.0	140.63	154.63	4.19E-09	1.03E-08	*		4.43E-9		1.25
	1550	6.0	18.0	19.6	4.4	13.6	140.63	154.23	3.66E-09	8.94E-09	*		3.87E-9		1.00
	1610	6.2	17.8	19.4	4.6	13.2	140.63	153.83	2.82E-09	6.85E-09	*		2.97E-9		1.00
	1684	6.4	17.6	19.2	4.8	12.8	140.63	153.43	2.29E-09	5.56E-09	*	**7.12E-09**	2.42E-9	657	1.00

Final Flux 7.1E-9 $m^3/m^2/sec$

Final Hydraulic Conductivity 3.1E-9 cm/s

CETCO **218 Industrial Park Dr Cartersville, GA 30121** **Computation Sheet: GRI Accredited ASTM D-5887, Index Flux**

Sample: DN
Lot #: 201003CV
Roll#: 27
Project # : CETCO QC

Permeability equation : ((0.879*Thickness)/(2*Pi*r^2*Time))*ln(Change in Head)

Flux equation : ((Inflow+Outflow)/200)/Pi*r^2/Time

Initial Thickness: 0.98 cm. **Hydration :** 48 hrs **Permeant :** De-aired Water

Test Position: 1 **Initial Head :** 2 psi 140.6 cm. **Analyst :** MM **Date:** 1/19/10

Cell Size: 4 in. **Max. Effective Stress:** 5 psi 34.5 kPa **Requested by :** **Date Started:** 1/14/10

Final Thickness: 1.01 cm. *** indicates value meets Flux Ratio ASTM termination criteria**

Conversions : 1 psi = 2.307 feet of head 1 foot of head = 30.48 cm 1 psi = 70.32 cm Flux (English) = Flux * 9.2366E+10

Date	Time (min)	Reading In	X	Reading Out	Y	X-Y	Head (cm)	H (cm)	Initial K (cm/sec)	Initial Flux ($m^3/m^2/sec$)		Avg Flux ($m^3/m^2/sec$)	Final K (cm/sec)	Final Flux (Gal/Acre /Day)	Inflow to Outflow Ratio
1/18/10	0	1.0	23.0	24.0	0.0	23.0	140.63	163.63							
	138	2.4	21.6	23.8	0.2	21.4	140.63	162.03	6.30E-09	1.19E-08			6.50E-9		7.00
	245	2.8	21.2	23.5	0.5	20.7	140.63	161.33	3.58E-09	6.72E-09			3.69E-9		1.33
	357	3.2	20.8	23.2	0.8	20.0	140.63	160.63	3.44E-09	6.42E-09	*		3.54E-9		1.33
1/19/10	1264	6.9	17.1	20.0	4.0	13.1	140.63	153.73	4.29E-09	7.82E-09	*		4.42E-9		1.16
	1421	7.5	16.5	19.5	4.5	12.0	140.63	152.63	4.05E-09	7.20E-09	*		4.17E-9		1.20
	1548	8.0	16.0	19.0	5.0	11.0	140.63	151.63	4.58E-09	8.09E-09	*	**7.70E-09**	4.72E-9	712	1.00

Final Flux 7.7E-9 $m^3/m^2/sec$ #

Final Hydraulic Conductivity 4.4E-9 cm/s

Date: 1/18/2010
Purchase Order: 12239
ORDER NUMBER: 000258037

Dave Ignatuk
Samleen

Denville, NJ 07834
dave@samleenllc.com

To Whom it May Concern:

Please find enclosed the MQA/MQC test data package for Geosynthetic Clay Liner shipments to Samleen.

The enclosed data package includes results of all the MQC tests required by ASTM D5889, with the exception of index flux/hydraulic conductivity. This test, which is run according to ASTM D5887, is normally performed once per production lot (once per week), unless a higher frequency is required by the project specifications. Because of the GCL's low permeability, this test can take several weeks to complete. The index flux/hydraulic conductivity results associated with this lot of material will be provided under separate cover as soon as they are available.

Although the index flux/hydraulic conductivity test results are not yet available, CETCO accepts responsibility for our GCL should the index flux/hydraulic conductivity tests produce unacceptable results. If, upon delivery and prior to installation, individual rolls of GCL are found to be nonconforming to accepted project specifications, CETCO will replace the nonconforming material at no charge.

Questions regarding this information should be directed to Chris Athanassopoulos, Technical Support Engineer, at (847) 851-1831.

Sincerely,

Melanie King

Melanie King
Quality Assurance Coordinator
CETCO Cartersville Plant

GEOSYNTHETIC CLAY LINER
MANUFACTURING QUALITY ASSURANCE DATA PACKAGE

PROJECT NAME: Hudson Heritage
CUSTOMER P.O.: 12239
ORDER NUMBER: 000258037
PREPARED FOR: Samleen

CONTENTS:

- Product Certifications
- GCL Order packing list and MQA tracking form
- GCL manufacturing quality control test data
- Bentonite clay certification
- Raw material test results

PREPARED BY: Melanie King
Quality Assurance Coordinator
CETCO
218 Industrial Park

Cartersville, GA 30121
Telephone: (770) 387-7773
E-Mail: melanie.king@cetco.com

PRODUCT CERTIFICATIONS

PROJECT NAME: Hudson Heritage
CUSTOMER P.O.: 12239
ORDER NUMBERS: 000258037
PREPARED FOR: Samleen

The GCL manufactured for the above-referenced order number(s) is certified to meet the values listed in the tables below:

GCL PROPERTY SPECIFICATIONS FOR BENTOMAT DN

Test Method	Test Method Property	Test Frequency	Certified Value
ASTM D 5891	Bentonite Fluid Loss	1 per 50 Tons	18 ml Max
ASTM D 5993	Bentonite Mass/Area	40,000 sq ft (4000 sq m)	0.75 lb /sq ft Min
ASTM D 5890	Bentonite Swell Index	1 per 50 Tons	24 ml/2g Min
ASTM D 6768	GCL Grab Strength	200,000 sq ft (20,000 sq m)	50 lbs/in MARV
ASTM D 6243	GCL Hydrated Internal Shear Strength	Periodic	500 psf typ @ 200 psf normal load
ASTM D 5887	GCL Hydraulic Conductivity	Weekly	5.0E-9 cm/s Max
ASTM D 5887	GCL Index Flux	Weekly	1.0E-8 m3/m2/s Max
ASTM D 6496	GCL Peel Strength	40,000 sq ft (4000 sq m)	3.5 lbs/in Min

Bentonite property tests are performed at a bentonite processing facility before shipment to CETCO's production facility.
All tensile testing is in the machine direction using ASTM D 6768. All peel strength testing is performed using
ASTM D 6496. Upon request tensile and peel results can be reported per modified ASTM D 4632 using 4 inch grips.

NEEDLE DETECTION AND REMOVAL PROCEDURE

CETCO hereby affirms that all Bentomat® geosynthetic clay liner material manufactured for this project is continually passed under a magnet for needle removal and then screened with a metal detection device. CETCO certifies Bentomat® to be essentially free of broken needles and fragments of needles that would negatively effect the performance of the final product.

Melanie King

Melanie King
Quality Assurance Coordinator

GCL PACKING LIST AND MQA TRACKING FORM

Listing of finished and raw materials used to produce certification package number 000258037

GCL								Geotextiles				Clay
CV-BENTOMAT DN								N/W-WHITE			BLK N/W	CV-CG 50
Order	**GCL Lot #**	**GCL Roll #**	**Length**	**Width**	**weight**	**sq ft**	**Roll # Tested**	**Cap Lot #**	**Cap Roll #**	**Roll # Tested**	**Base Roll #**	**Clay Lot #**
000258037	201003CV	105	150	14.5	2734	2175	105	201003CV	00000088	00000083	2020533486	941680A
000258037	201003CV	106	150	14.5	2744	2175	105	201003CV	00000088	00000083	2020533486	941680A
000258037	201003CV	107	150	14.5	2720	2175	105	200948CV	00004705	00004703	2020533486	941680A
000258037	201003CV	108	150	14.5	2734	2175	105	200948CV	00004705	00004703	2020533472	941680A
000258037	201003CV	109	150	14.5	2734	2175	105	200948CV	00004705	00004703	2020533472	941680A
000258037	201003CV	110	150	14.5	2734	2175	105	200948CV	00004705	00004703	2020533472	941680A
000258037	201003CV	111	150	14.5	2734	2175	105	200948CV	00004705	00004703	2020533472	941680A
000258037	201003CV	112	150	14.5	2708	2175	105	200948CV	00004705	00004703	2020533472	941680A
000258037	201003CV	113	150	14.5	2702	2175	105	200948CV	00004705	00004703	2020533472	941680A
000258037	201003CV	114	150	14.5	2704	2175	105	200948CV	00004705	00004703	2020533472	941680A
						Total sq ft:	**21750**	Total Number of Rolls Certified: **10**				

GCL MANUFACTURING QUALITY CONTROL TEST DATA

The following rolls in GCL certification package number 000258037 have been tested in our production facility lab.

Product	Lot # Tested	Roll # Tested	Mass Area	Grab Strength	Peel Strength 6496
		ASTM Test Method:	D 5993	D 6768	D 6496
		Required Value:	0.75 lb /sq ft Min	50 lbs/in MARV	3.5 lbs/in Min
CV-BENTOMAT DN	201003CV	105	0.88	75.2	8.7

BENTONITE CLAY CERTIFICATION

The Bentonite Clay used to produce package 000258037

has been tested by American Colloid Company and yielded the following test results.

Clay Lot #	Moist	Swell	Fluid Loss
ASTM Test Method:	D 2216	D 5890	D 5891
Required Value:	12% Max	24 ml/2g Min	18 ml Max
941680A	8.80	24.00	15.00

GEOTEXTILE TEST RESULTS FROM MATERIAL SUPPLIERS

The GCL in certification package number 000258037 was manufactured with geotextiles which were tested with the following results.

BASE GEOTEXTILE

Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
PPX HH65L	2020533472	6.4	192.5
PPX HH65L	2020533486	6.4	181.1

COVER GEOTEXTILE

Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
CV-NON-WOVEN	00004703	6.9	47.4
CV-NON-WOVEN	00000083	6.4	39.9

Certifications from our suppliers are on file at our production facility.

An '*' or 'PT' indicates supplier certifications were unavailable prior to shipping so testing was performed at a CETCO lab.

Date: 1/18/2010
Purchase Order: 12239
ORDER NUMBER: 000258037

Dave Ignatuk
Samleen

Denville, NJ 07834
dave@samleenllc.com

To Whom it May Concern:

Please find enclosed the MQA/MQC test data package for Geosynthetic Clay Liner shipments to Samleen.

The enclosed data package includes results of all the MQC tests required by ASTM D5889, with the exception of index flux/hydraulic conductivity. This test, which is run according to ASTM D5887, is normally performed once per production lot (once per week), unless a higher frequency is required by the project specifications. Because of the GCL's low permeability, this test can take several weeks to complete. The index flux/hydraulic conductivity results associated with this lot of material will be provided under separate cover as soon as they are available.

Although the index flux/hydraulic conductivity test results are not yet available, CETCO accepts responsibility for our GCL should the index flux/hydraulic conductivity tests produce unacceptable results. If, upon delivery and prior to installation, individual rolls of GCL are found to be nonconforming to accepted project specifications, CETCO will replace the nonconforming material at no charge.

Questions regarding this information should be directed to Chris Athanassopoulos, Technical Support Engineer, at (847) 851-1831.

Sincerely,

Melanie King

Melanie King
Quality Assurance Coordinator
CETCO Cartersville Plant

GEOSYNTHETIC CLAY LINER
MANUFACTURING QUALITY ASSURANCE DATA PACKAGE

PROJECT NAME: Hudson Heritage
CUSTOMER P.O.: 12239
ORDER NUMBER: 000258037
PREPARED FOR: Samleen

CONTENTS:

- Product Certifications
- GCL Order packing list and MQA tracking form
- GCL manufacturing quality control test data
- Bentonite clay certification
- Raw material test results

PREPARED BY: Melanie King
Quality Assurance Coordinator
CETCO
218 Industrial Park

Cartersville, GA 30121
Telephone: (770) 387-7773
E-Mail: melanie.king@cetco.com

PRODUCT CERTIFICATIONS

PROJECT NAME: Hudson Heritage
CUSTOMER P.O.: 12239
ORDER NUMBERS: 000258037
PREPARED FOR: Samleen

The GCL manufactured for the above-referenced order number(s) is certified to meet the values listed in the tables below:

GCL PROPERTY SPECIFICATIONS FOR BENTOMAT ST

Test Method	Test Method Property	Test Frequency	Certified Value
ASTM D 5891	Bentonite Fluid Loss	1 per 50 Tons	18 ml Max
ASTM D 5993	Bentonite Mass/Area	40,000 sq ft (4000 sq m)	0.75 lb /sq ft Min
ASTM D 5890	Bentonite Swell Index	1 per 50 Tons	24 ml/2g Min
ASTM D 6768	GCL Grab Strength	200,000 sq ft (20,000 sq m)	30 lbs/in MARV
ASTM D 6243	GCL Hydrated Internal Shear Strength	Periodic	500 psf typ @ 200 psf normal load
ASTM D 5887	GCL Hydraulic Conductivity	Weekly	5.0E-9 cm/s Max
ASTM D 5887	GCL Index Flux	Weekly	1.0E-8 m3/m2/s Max
ASTM D 6496	GCL Peel Strength	40,000 sq ft (4000 sq m)	3.5 lbs/in Min

Bentonite property tests are performed at a bentonite processing facility before shipment to CETCO's production facility.
All tensile testing is in the machine direction using ASTM D 6768. All peel strength testing is performed using
ASTM D 6496. Upon request tensile and peel results can be reported per modified ASTM D 4632 using 4 inch grips.

NEEDLE DETECTION AND REMOVAL PROCEDURE

CETCO hereby affirms that all Bentomat® geosynthetic clay liner material manufactured for this project is continually passed under a magnet for needle removal and then screened with a metal detection device. CETCO certifies Bentomat® to be essentially free of broken needles and fragments of needles that would negatively effect the performance of the final product.

Melanie King

Melanie King
Quality Assurance Coordinator

GCL PACKING LIST AND MQA TRACKING FORM

Listing of finished and raw materials used to produce certification package number 000258037

GCL								Geotextiles				Clay
CV-BENTOMAT ST								N/W-WHITE			WOVEN	CV-CG 50
Order	**GCL Lot #**	**GCL Roll #**	**Length**	**Width**	**weight**	**sq ft**	**Roll # Tested**	**Cap Lot #**	**Cap Roll #**	**Roll # Tested**	**Base Roll #**	**Clay Lot #**
000258037	201003CV	13	150	15	2748	2250	13	201003CV	00000088	00000083	2020462507	941679B
000258037	201003CV	14	150	15	2722	2250	13	201003CV	00000088	00000083	2020462507	941679B
000258037	201003CV	15	150	15	2732	2250	13	200948CV	00004705	00004703	2020462507	941679B
000258037	201003CV	16	150	15	2710	2250	13	200948CV	00004705	00004703	2020462507	941679B
000258037	201003CV	17	150	15	2634	2250	13	200948CV	00004705	00004703	2020462507	941679B
000258037	201003CV	18	150	15	2632	2250	13	200948CV	00004705	00004703	2020462507	941679B
000258037	201003CV	19	150	15	2640	2250	13	200948CV	00004705	00004703	2020462507	941679B
000258037	201003CV	20	150	15	2636	2250	13	200948CV	00004705	00004703	2020462507	941679B
000258037	201003CV	21	150	15	2640	2250	13	200948CV	00004705	00004703	2020518109	941679B
000258037	201003CV	22	150	15	2641	2250	13	200948CV	00004705	00004703	2020518109	941679B
000258037	201003CV	23	150	15	2654	2250	13	200947CV	00004659	00004655	2020518109	941679B
000258037	201003CV	24	150	15	2648	2250	13	200947CV	00004659	00004655	2020518109	941678A
000258037	201003CV	25	150	15	2650	2250	13	200947CV	00004659	00004655	2020518109	941678A
000258037	201003CV	26	150	15	2642	2250	13	200947CV	00004659	00004655	2020518109	941678A
000258037	201003CV	27	150	15	2650	2250	13	200947CV	00004659	00004655	2020518109	941678A
000258037	201003CV	28	150	15	2650	2250	13	200947CV	00004659	00004655	2020518109	941678A
000258037	201003CV	29	150	15	2670	2250	13	200947CV	00004659	00004655	2020518109	941678A
000258037	201003CV	30	150	15	2684	2250	30	200947CV	00004662	00004655	2020518109	941678A
000258037	201003CV	32	150	15	2654	2250	30	200947CV	00004662	00004655	2020518109	941678A
000258037	201003CV	33	150	15	2664	2250	30	200947CV	00004662	00004655	2020518109	941678A
000258037	201003CV	34	150	15	2660	2250	30	200947CV	00004662	00004655	2020518109	941678A
000258037	201003CV	35	150	15	2650	2250	30	200947CV	00004662	00004655	2020518109	941678A
000258037	201003CV	36	150	15	2660	2250	30	200947CV	00004662	00004655	2020518109	941678A
000258037	201003CV	37	150	15	2656	2250	30	200947CV	00004662	00004655	2020518109	941678A
000258037	201003CV	38	150	15	2652	2250	30	200947CV	00004670	00004664	2020518109	941678A
000258037	201003CV	39	150	15	2652	2250	30	200947CV	00004670	00004664	2020518109	941678A
000258037	201003CV	40	150	15	2642	2250	30	200947CV	00004670	00004664	2020518109	941678A
000258037	201003CV	41	150	15	2670	2250	30	200947CV	00004670	00004664	2020518109	941678A
000258037	201003CV	42	150	15	2610	2250	30	200947CV	00004670	00004664	2020518109	941678A
000258037	201003CV	43	150	15	2606	2250	30	200947CV	00004670	00004664	2020518109	941678A
000258037	201003CV	44	150	15	2646	2250	30	200947CV	00004670	00004664	2020518109	941678A

Order	GCL Lot #	GCL Roll #	Length	Width	weight	sq ft	Roll # Tested	Cap Lot #	Cap Roll #	Roll # Tested	Base Roll #	Clay Lot #
000258037	201003CV	45	150	15	2628	2250	30	201003CV	00000069	00000062	2020518109	941678A
000258037	201003CV	46	150	15	2632	2250	30	201003CV	00000069	00000062	2020518109	941678A
000258037	201003CV	47	150	15	2668	2250	47	201003CV	00000069	00000062	2020518109	941678A
000258037	201003CV	49	150	15	2632	2250	47	201003CV	00000069	00000062	2020505840	941678A
000258037	201003CV	50	150	15	2624	2250	47	201003CV	00000069	00000062	2020505840	941678A
					Total sq ft:	**81000**	Total Number of Rolls Certified: **36**					

GCL MANUFACTURING QUALITY CONTROL TEST DATA

The following rolls in GCL certification package number 000258037 have been tested in our production facility lab.

Product	Lot # Tested	Roll # Tested	Mass Area	Grab Strength	Peel Strength 6496
		ASTM Test Method:	D 5993	D 6768	D 6496
		Required Value:	0.75 lb /sq ft Min	30 lbs/in MARV	3.5 lbs/in Min
CV-BENTOMAT ST	201003CV	13	0.88	78.0	3.7
CV-BENTOMAT ST	201003CV	30	0.85	78.0	4.2
CV-BENTOMAT ST	201003CV	47	0.84	78.0	4.6

BENTONITE CLAY CERTIFICATION

The Bentonite Clay used to produce package 000258037

has been tested by American Colloid Company and yielded the following test results.

Clay Lot #	Moist	Swell	Fluid Loss
ASTM Test Method:	D 2216	D 5890	D 5891
Required Value:	12% Max	24 ml/2g Min	18 ml Max
941678A	9.60	24.00	15.40
941679B	10.40	25.00	14.60

GEOTEXTILE TEST RESULTS FROM MATERIAL SUPPLIERS

The GCL in certification package number 000258037 was manufactured with geotextiles which were tested with the following results.

BASE GEOTEXTILE

Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
PPX 82TEX	2020462507	3.6	151.7
PPX 82TEX	2020505840	3.5	169.1
PPX 82TEX	2020518109	3.5	171.4

COVER GEOTEXTILE

Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
CV-NON-WOVEN	00004655	6.5	44.1
CV-NON-WOVEN	00004664	6.8	41.2
CV-NON-WOVEN	00004703	6.9	47.4
CV-NON-WOVEN	00000062	6.6	44.2
CV-NON-WOVEN	00000083	6.4	39.9

Certifications from our suppliers are on file at our production facility.

An '*' or 'PT' indicates supplier certifications were unavailable prior to shipping so testing was performed at a CETCO lab.

BENTOMAT® DN

GEOSYNTHETIC CLAY LINERS SPECIFICATION GUIDELINES

This specification is intended for use as a GENERAL GUIDELINE for developing a specification for a specific project. It is NOT intended as a substitute for a detailed specification, which must be written to address site-specific conditions.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

1.0 GENERAL

1.1 Scope

This specification covers the technical requirements for the furnishing and installation of the geosynthetic clay liner described herein. All materials used shall meet the requirements of this specification, and all work shall be performed in accordance with the procedures provided herein and the contract drawings.

1.2 Definitions

For the purposes of this specification guideline, the following terms are defined below:

Geosynthetic Clay Liner (GCL). A manufactured hydraulic barrier consisting of clay bonded to a layer or layers of geosynthetics.

Geomembrane. An essentially impermeable geosynthetic composed of one or more geosynthetic sheets.

Geotextile. Any permeable geosynthetic comprised solely of textiles.

Minimum Average Roll Value. For geosynthetics, the value calculated as the typical value minus two (2) standard deviations from documented quality control test results for a defined population from one specific test method associated with one specific property.

Overlap. Where two adjacent GCL panels contact, the distance measuring perpendicular from the overlying edge of one panel to the underlying edge of the other.

1.3 Unit Prices

Measurement will be made of the total surface area in square feet covered by the GCL as shown on the contract drawings. Final quantities will be based on as-built conditions. Allowance will be made for GCL in anchor and drainage trenches but no allowance will be made for waste, overlap, or materials used for the convenience of the Contractor. GCL installed and accepted will be paid for at the respective contract unit price in the bidding schedule.

1.4 Submittals

A. With the bid, the Contractor shall furnish the following information:

1. Conceptual description of the proposed plan for placement of the GCL panels over the area of installation.
2. GCL manufacturer's MQC Plan for documenting compliance to Sections 2.1 and 2.2 of these specifications.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

3. GCL manufacturer's historical data for a) 10,000-hour creep shear testing per Section 2.1 D and b) seam flow data at 2 psi confining pressure per Section 2.1 E.
4. A copy of GCL manufacturer's ISO quality Certificate of Registration.

B. At the Engineer's or Owner's request the Contractor shall furnish:

1. A representative sample of the GCLs.
2. A project reference list for the GCL(s) consisting of the principal details of at least ten projects totaling at least 10 million square feet (100,000 square meters) in size.

C. Upon shipment, the Contractor shall furnish the GCL manufacturer's Quality Assurance/Quality Control (QA/QC) certifications to verify that the materials supplied for the project are in accordance with the requirements of this specification.

D. As installation proceeds, the Contractor shall submit certificates of subgrade acceptance, signed by the Contractor and CQA Inspector (see Sections 1.6 and 3.3) for each area that is covered by the GCL.

1.5 Qualifications

A. GCL Manufacturer must have produced at least 300 million square feet (30 million square meters) of GCL within the past three years, including at least 30 million square feet (3 million square meters) with 3.5 lb/in (610 N/m) peel strength.

B. The GCL Installer must either have installed at least 1 million square feet (100,000 square meters) of GCL, **or** must provide to the Engineer satisfactory evidence, through similar experience in the installation of other types of geosynthetics, that the GCL will be installed in a competent, professional manner.

1.6 Construction Quality Assurance (CQA)

A. The Owner and Engineer shall provide a third-party inspector for CQA of the GCL installation. The inspector shall be an individual or company who is independent from the manufacturer and installer, who shall be responsible for monitoring and documenting activities related to the CQA of the GCL, throughout installation. The inspector shall have provided CQA services for the installation of the proposed or similar GCL for at least 5 completed projects totaling not less than 1 million square feet (100,000 square meters).

B. Testing of the GCL, as necessary to support the CQA effort, shall be performed by a third party laboratory retained by the Contractor and independent from the GCL manufacturer and installer. The laboratory shall have provided GCL CQA testing of the proposed or similar GCL for at least 5 completed projects totaling not less than 1 million square feet (100,000 square meters).

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

C. CQA shall be provided in accordance with the *GCL CQA Manual* provided by the engineer.

2.0 PRODUCTS

A. The GCLs shall consist of a layer of granular sodium bentonite clay needlepunched between two geotextiles and shall comply with all of the criteria listed in this Section.

B. Bentonite shall be a high-swelling sodium bentonite, with a minimum swell index of 24 mL/2g and a maximum fluid loss of 18 mL. Bentonite shall be CG-50 granular bentonite, mined and processed by American Colloid Company.

C. Bentonite shall have a granular consistency (1 percent max. passing a No. 200 sieve [75 μm]), to ensure uniform distribution throughout the GCL and minimal edge loss during handling and installation.

D. Prior to using an alternate GCL, the Contractor must furnish independent test results demonstrating that the proposed alternate material meets all requirements of this specification. Contractor must also provide evidence of successful use of the proposed alternate material on past similar projects. This evidence can include past direct shear results against similar materials under similar site conditions, and/or past permeability/compatibility test results with a similar leachate or waste stream. The Contractor also must obtain prior approval of the alternative GCL by the Project Engineer.

2.1 Materials

A. Acceptable GCL products are Bentomat® DN, as manufactured by CETCO, 2870 Forbs Avenue, Hoffman Estates, Illinois 60192 USA (800-527-9948), or an engineer-approved equal.

B. The GCL and its components shall have the properties shown in the Bentomat DN Certified Properties table.

C. The moisture content of the bentonite in the finished GCL shall be between 20 and 40 percent, to ensure uniform bentonite distribution, consistent needlepunch density, and adequate electrical conductivity to maximize leak location survey sensitivity.

D. GCL shall be needlepunch-reinforced, with a minimum peel strength of 3.5 lb/inch (610 N/m). To maximize large-displacement shear strength, GCL reinforcement shall be achieved solely through needlepunching, without any supplemental heat treatment.

E. The GCL shall have 10,000-hour test data for large-scale constant-load (creep) shear testing under hydrated conditions. The displacement shall be 0.07 in. (1.8 mm) or less at a constant shear load of 250 psf (12 kPa) and a normal load of 500 psf (24 kPa).

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

F. The GCL shall have seam test data from an independent laboratory showing that the seam flow with a grooved cut in one of the nonwoven geotextiles is less than 1×10^{-8} $m^3/m^2/s$ at 2 psi hydraulic pressure.

G. The minimum acceptable dimensions of full-size GCL panels shall be 150 feet (45.7 m) in length. Short rolls [(those manufactured to a length greater than 70 feet (21 m) but less than a full-length roll)] may be supplied at a rate no greater than 3 per truckload or 3 rolls every 36,000 square feet (3,500 square meters) of GCL, whichever is less.

H. A 6-inch (150 mm) overlap guideline shall be imprinted on both edges of the upper geotextile component of the GCL as a means for providing quality assurance of the overlap dimension. Lines shall be printed in easily visible, non-toxic ink.

2.2 Product Quality Documentation

The GCL manufacturer shall provide the Contractor or other designated party with manufacturing QA/QC certifications for each shipment of GCL. The certifications shall be signed by a responsible party employed by the GCL manufacturer and shall include:

A. Certificates of analysis for the bentonite clay used in GCL production demonstrating compliance with the swell index and fluid loss values shown in the Bentomat DN Certified Properties table.

B. Manufacturer's test data for finished GCL product(s) demonstrating compliance with the values shown in the Bentomat DN Certified Properties table.

C. GCL lot and roll numbers supplied for the project (with corresponding shipping information).

Manufacturer's test data for finished GCL product(s), including GCL index flux, permeability and hydrated internal shear strength data, which demonstrate compliance with the performance parameters shown in the Bentomat DN Certified Properties table, are available upon request of the manufacturer.

2.3 Product Labeling

A. Prior to shipment, the GCL manufacturer shall label each roll, identifying:

1. Product identification information (Manufacturer's name and address, brand product code).

2. Lot number and roll number.

3. Roll length, width and weight.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

BENTOMAT® DN CERTIFIED PROPERTIES

MATERIAL PROPERTY	TEST METHOD	TEST FREQUENCY $ft^2(m^2)$	REQUIRED VALUES
Bentonite Swell Index[1]	ASTM D 5890	1 per 50 tonnes	24 mL/2g min.
Bentonite Fluid Loss[1]	ASTM D 5891	1 per 50 tonnes	18 mL max.
Bentonite Mass/Area[2]	ASTM D 5993	40,000 ft^2 (4,000 m^2)	0.75 lb/ft^2 (3.6 kg/m^2) min
GCL Tensile Strength[3]	ASTM D 6768	200,000 ft^2 (20,000 m^2)	50 lbs/in (88 N/cm) MARV
GCL Peel Strength[3]	ASTM D 6496	40,000 ft^2 (4,000 m^2)	3.5 lbs/in (6.1 N/cm) min
GCL Index Flux[4]	ASTM D 5887	Weekly	1×10^{-8} m^3/m^2/sec max
GCL Hydraulic Conductivity[4]	ASTM D 5887	Weekly	5×10^{-9} cm/sec max
GCL Hydrated Internal Shear Strength[5]	ASTM D 5321 ASTM D 6243	Periodic	500 psf (24 kPa) typ @ 200 psf

Bentomat DN is a reinforced GCL consisting of a layer of granular sodium bentonite between two nonwoven geotextiles, which are needlepunched together.

Notes

[1] Bentonite property tests performed at a bentonite processing facility before shipment to CETCO's GCL production facilities.
[2] Bentonite mass/area reported at 0 percent moisture content.
[3] All tensile strength testing is performed in the machine direction using ASTM D 6768. All peel strength testing is performed using ASTM D 6496. Upon request, tensile and peel results can be reported per modified ASTM D 4632 using 4 inch grips.
[4] Index flux and permeability testing with deaired distilled/deionized water at 80 psi (551kPa) cell pressure, 77 psi (531 kPa) headwater pressure and 75 psi (517 kPa) tailwater pressure. Reported value is equivalent to 925 gal/acre/day. This flux value is equivalent to a permeability of 5×10^{-9} cm/sec for typical GCL thickness. Actual flux values vary with field condition pressures. The last 20 weekly values prior the end of the production date of the supplied GCL may be provided.
[5] Peak values measured at 200 psf (10 kPa) normal stress for a specimen hydrated for 48 hours. Site-specific materials, GCL products, and test conditions must be used to verify internal and interface strength of the proposed design.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

2.4 Packaging

A. The GCL shall be wound around a rigid core whose diameter is sufficient to facilitate handling. The core is not necessarily intended to support the roll for lifting but should be sufficiently strong to prevent collapse during transit.

B. All rolls shall be labeled and bagged in packaging that is resistant to photodegradation by ultraviolet (UV) light.

2.5 Accessory Bentonite

A. The granular bentonite sealing clay used for overlap seaming, penetration sealing and repairs shall be made from the same natural sodium bentonite as used in the GCL and shall be as recommended by the GCL manufacturer. Seaming of GCLs shall be conducted in accordance with the manufacturer's guidelines for each particular GCL. Please refer to the installation guidelines for Bentomat /Claymax GCLs.

3.0 EXECUTION

3.1 Shipping and Handling

A. The manufacturer assumes responsibility for initial loading the GCL. Shipping will be the responsibility of the party paying the freight. Unloading, on-site handling and storage of the GCL are the responsibility of the Contractor, Installer or other designated party.

B. A visual inspection of each roll should be made during unloading to identify if any packaging has been damaged. Rolls with damaged packaging should be marked and set aside for further inspection. The packaging should be repaired prior to being placed in storage.

C. The party responsible for unloading the GCL should contact the Manufacturer prior to shipment to ascertain the appropriateness of the proposed unloading methods and equipment.

3.2 Storage

A. Storage of the GCL rolls shall be the responsibility of the installer. A dedicated storage area shall be selected at the job site that is away from high traffic areas and is level, dry and well drained.

B. Rolls should be stored in a manner that prevents sliding or rolling from the stacks and may be accomplished by the use of chock blocks. Rolls should be stacked at a height no higher than that at which the lifting apparatus can be safely handled (typically no higher than four).

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

C. All stored GCL materials and the accessory bentonite must be covered with a plastic sheet or tarpaulin until their installation.

D. The integrity and legibility of the labels shall be preserved during storage.

3.3 Earthwork

A. Any earthen surface upon which the GCL is installed shall be prepared and compacted in accordance with the project specifications and drawings. The surface shall be smooth, firm, and unyielding, and free of:

1. Vegetation.
2. Construction Debris.
3. Sticks.
4. Sharp rocks.
5. Void spaces.
6. Ice.
7. Abrupt elevation changes.
8. Standing water.
9. Cracks larger than one-quarter inch (6 mm) in width.
10. Any other foreign matter that could contact the GCL.

B. Subgrade surfaces consisting of granular soils or gravels may not be acceptable due to their large void fraction and puncture potential. In applications where the GCL is the only barrier, subgrade soils should have a particle-size distribution at least 80 percent finer than the #60 sieve (0.25 mm). In other applications, subgrade soils should range between fines and 1 inch (25 mm). In high-head applications (greater than 1 foot or 30.48 cm), CETCO recommends a membrane-laminated GCL (Bentomat CL or Bentomat CLT).

C. Immediately prior to GCL deployment, the subgrade shall be final-graded to fill in all voids or cracks and then smooth-rolled to provide the best practicable surface for the GCL. At completion of this activity, no wheel ruts, footprints or other irregularities shall exist in the subgrade. Furthermore, all protrusions extending more than one-half inch (12 mm) from the surface shall either be removed, crushed or pushed into the surface with a smooth-drum compactor.

D. On a continuing basis, the project CQA inspector shall certify acceptance of the subgrade before GCL placement.

E. It shall be the installer's responsibility thereafter to indicate to the Engineer any change in the condition of the subgrade that could cause the subgrade to be out of compliance with any of the requirements listed in this Section.

F. At the top of sloped areas of the job site, an anchor trench for the GCL shall be excavated or an equivalent runout shall be utilized in accordance with the project plans and specifications and as approved by the CQA Inspector. When utilizing an anchor trench design, the trench shall be excavated and approved by the CQA Inspector prior

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

to GCL placement. No loose soil shall be allowed at the bottom of the trench and no sharp corners or protrusions shall exist anywhere within the trench.

3.4 GCL Placement

A. The areas to be lined with GCL shall be agreed upon by the Installer and the Engineer prior to installation.

B. GCL rolls should be delivered to the working area of the site in their original packaging. Immediately prior to deployment, the packaging should be carefully removed without damaging the GCL. The orientation of the GCL (i.e., which side faces up) should be in accordance with the Engineer's recommendations.

C. Equipment, which could damage the GCL, shall not be allowed to travel directly on it. If the installation equipment causes rutting of the subgrade, the subgrade must be restored to its originally accepted condition before placement continues.

D. Care must be taken to minimize the extent to which the GCL is dragged across the subgrade in order to avoid damage to the bottom surface of the GCL. A temporary geosynthetic subgrade covering commonly known as a slip sheet or rub sheet may be used to reduce friction damage during placement.

E. The GCL panels shall be placed parallel to the direction of the slope.

F. All GCL panels should lie flat on the underlying surface, with no wrinkles or fold, especially at the exposed edges of the panels.

G. Only as much GCL shall be deployed as can be covered at the end of the working day with soil, a geomembrane, or a temporary waterproof tarpaulin. The GCL shall not be left uncovered overnight. If the GCL is hydrated when no confining stress is present, it may be necessary to remove and replace the hydrated material. The project Engineer, CQA inspector, and GCL supplier should be consulted for specific guidance if premature hydration occurs.

3.5 Anchorage

A. As directed by the project drawings and specifications, the end of the GCL roll shall be placed in an anchor trench at the top of the slope or an equivalent runout design shall be utilized. When utilizing an anchor trench design, the front edge of the trench should be rounded so as to eliminate any sharp corners. Loose soil should be removed from the floor of the trench. The GCL should cover the entire trench floor but does not extend up the rear trench wall.

3.6 Seaming

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

A. The GCL seams are constructed by overlapping adjacent panel edges and ends. Care should be taken to ensure that the overlap zone is not contaminated with loose soil or other debris.

B. Longitudinal seams should be overlapped a minimum of 6 inches (150 mm) for Bentomat DN. If the GCL is manufactured with a grooved cut in the nonwoven geotextile that allows bentonite to freely extrude into the longitudinal overlap, then no bentonite-enhanced seam is required for this overlap. If the GCL does not have a grooved cut in one of the nonwoven geotextiles in the longitudinal overlap, then longitudinal bentonite-enhanced seams are required as described below.

C. End-of-roll overlapped seams should be constructed with a minimum overlap of 24 inches (600 mm) for Bentomat DN. Seams at the ends of the panels should be constructed such that they are shingled in the direction of the grade to prevent the potential for runoff flow to enter the overlap zone. End-of-roll overlapped seams for all reinforced GCL seams require bentonite-enhanced seams as described below.

D. Bentonite-enhanced seams are constructed between the overlapping adjacent panels described above. The underlying edge of the longitudinal overlap is exposed and then a continuous bead of granular sodium bentonite is applied along a zone defined by the edge of the underlying panel and the 6-inch (150 mm) line. A similar bead of granular sodium bentonite is applied at the end-of-roll overlap. The granular bentonite shall be applied at a minimum application rate of one quarter pound per lineal foot (0.4 kg/m).

E. Cyclical wetting and drying of GCL covered only with geomembrane can cause overlap separation. Soil cover should be placed promptly whenever possible. Geomembranes should be covered with a white geotextile and/or operations layer without delay to minimize the intensity of wet-dry cycling. If there is the potential for unconfined cyclic wetting and drying over an extended period of time, the longitudinal seam overlaps should be increased based on the project engineer's recommendations.

F. To avoid seam separation, the GCL should not be put in excessive tension by the weight or expansion of textured geomembrane on steep slopes. The project Engineer should be consulted about the potential for GCL tension to develop.

3.7 Detail Work

A. The GCL shall be sealed around penetrations and embedded structures embedded in accordance with the design drawings and the GCL Manufacturer.

B. Cutting the GCL should be performed using a sharp utility knife. Frequent blade changes are recommended to avoid damage to the geotextile components of the GCL during the cutting process.

3.8 Damage Repair

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

A. If the GCL is damaged (torn, punctured, perforated, etc.) during installation, it may be possible to repair it by cutting a patch to fit over the damaged area. The patch shall be obtained from a new GCL roll and shall be cut to size such that a minimum overlap of 12 inches (300 mm) is achieved around all of the damaged area. Granular bentonite or bentonite mastic should be applied around the damaged area prior to placement of the patch. It may be desirable to use an adhesive to affix the patch in place so that it is not displaced during cover placement.

3.9 Cover Placement

A. Cover soils shall be free of angular stones or other foreign matter that could damage the GCL. Cover soils should be approved the project Engineer with respect to particle size, uniformity and chemical compatibility. Cover soils with high concentrations of calcium (e.g., limestone, dolomite) are not acceptable.

B. Soil cover shall be placed over the GCL using construction equipment that minimizes stresses on the GCL. A minimum thickness of 1 foot (300 mm) of cover should be maintained between the equipment tires/tracks and the GCL at all times during the covering process. This thickness recommendation does not apply to frequently trafficked areas or roadways, for which a minimum thickness of 2 feet (600 mm) is required.

C. Soil cover should be placed in a manner that prevents the soil from entering the GCL overlap zones. Cover soil shall be pushed up slopes, not down slopes, to minimize tensile forces on the GCL.

D. Although direct vehicular contact with the GCL is to be avoided, lightweight, low ground pressure vehicles (such as 4-wheel all-terrain vehicles) may be used to facilitate the installation of any geosynthetic material placed over the GCL. The GCL supplier or CQA engineer should be contacted with specific recommendations on the appropriate procedures in this situation.

E. When a textured geomembrane is installed over the GCL, a temporary geosynthetic covering known as a slip sheet or rub sheet should be used to minimize friction during placement and to allow the textured geomembrane to be more easily moved into its final position.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

BENTOMAT® ST

GEOSYNTHETIC CLAY LINER SPECIFICATION GUIDELINES

This specification is intended for use as a GENERAL GUIDELINE for developing a specification for a specific project. It is NOT intended as a substitute for a detailed specification, which must be written to address site-specific conditions.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

1.0 GENERAL

1.1 Scope

This specification covers the technical requirements for the furnishing and installation of the geosynthetic clay liner described herein. All materials used shall meet the requirements of this specification, and all work shall be performed in accordance with the procedures provided herein and the contract drawings.

1.2 Definitions

For the purposes of this specification guideline, the following terms are defined below:

Geosynthetic Clay Liner (GCL). A manufactured hydraulic barrier consisting of clay bonded to a layer or layers of geosynthetics.

Geomembrane. An essentially impermeable geosynthetic composed of one or more geosynthetic sheets.

Geotextile. Any permeable geosynthetic comprised solely of textiles.

Minimum Average Roll Value. For geosynthetics, the value calculated as the typical value minus two (2) standard deviations from documented quality control test results for a defined population from one specific test method associated with one specific property.

Overlap. Where two adjacent GCL panels contact, the distance measuring perpendicular from the overlying edge of one panel to the underlying edge of the other.

1.3 Unit Prices

Measurement will be made of the total surface area in square feet covered by the GCL as shown on the contract drawings. Final quantities will be based on as-built conditions. Allowance will be made for GCL in anchor and drainage trenches but no allowance will be made for waste, overlap, or materials used for the convenience of the Contractor. GCL installed and accepted will be paid for at the respective contract unit price in the bidding schedule.

1.4 Submittals

A. With the bid, the Contractor shall furnish the following information:

1. Conceptual description of the proposed plan for placement of the GCL panels over the area of installation.
2. GCL manufacturer's MQC Plan for documenting compliance to Sections 2.1 and 2.2 of these specifications.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

3. GCL manufacturer's historical data for a) 10,000-hour creep shear testing per Section 2.1 E and b) seam flow data at 2 psi confining pressure per Section 2.1 F.
4. A copy of GCL manufacturer's ISO quality Certificate of Registration.

B. At the Engineer's or Owner's request the Contractor shall furnish:

1. A representative sample of the GCLs.
2. A project reference list for the GCL(s) consisting of the principal details of at least ten projects totaling at least 10 million square feet (100,000 square meters) in size.

C. Upon shipment, the Contractor shall furnish the GCL manufacturer's Quality Assurance/Quality Control (QA/QC) certifications to verify that the materials supplied for the project are in accordance with the requirements of this specification.

D. As installation proceeds, the Contractor shall submit certificates of subgrade acceptance, signed by the Contractor and CQA Inspector (see Sections 1.6 and 3.3) for each area that is covered by the GCL.

1.5 Qualifications

A. GCL Manufacturer must have produced at least 300 million square feet (30 million square meters) of GCL within the past three years, including at least 30 million square feet (3 million square meters) with 3.5 lb/in (610 N/m) peel strength.

B. The GCL Installer must either have installed at least 1 million square feet (100,000 square meters) of GCL, **or** must provide to the Engineer satisfactory evidence, through similar experience in the installation of other types of geosynthetics, that the GCL will be installed in a competent, professional manner.

1.6 Construction Quality Assurance (CQA)

A. The Owner and Engineer shall provide a third-party inspector for CQA of the GCL installation. The inspector shall be an individual or company who is independent from the manufacturer and installer, who shall be responsible for monitoring and documenting activities, related to the CQA of the GCL, throughout installation. The inspector shall have provided CQA services for the installation of the proposed or similar GCL for at least 5 completed projects totaling not less than 1 million square feet (100,000 square meters).

B. Testing of the GCL, as necessary to support the CQA effort, shall be performed by a third party laboratory retained by the Contractor and independent from the GCL manufacturer and installer. The laboratory shall have provided GCL CQA testing of the proposed or similar GCL for at least 5 completed projects totaling not less than 1 million square feet (100,000 square meters).

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

C. CQA shall be provided in accordance with the *GCL CQA Manual* provided by the engineer.

2.0 PRODUCTS

A. The GCL shall consist of a layer of granular sodium bentonite clay needlepunched between two geotextiles and shall comply with all of the criteria listed in this Section.

B. Bentonite shall be a high-swelling sodium bentonite, with a minimum swell index of 24 mL/2g and a maximum fluid loss of 18 mL. Bentonite shall be CG-50 granular bentonite, mined and processed by American Colloid Company.

C. Bentonite shall have a granular consistency (1 percent max. passing a No. 200 sieve [75 μm]), to ensure uniform distribution throughout the GCL and minimal edge loss during handling and installation.

D. Prior to using an alternate GCL, the Contractor must furnish independent test results demonstrating that the proposed alternate material meets all requirements of this specification. Contractor must also provide evidence of successful use of the proposed alternate material on past similar projects. This evidence can include past direct shear results against similar materials under similar site conditions, and/or past permeability/compatibility test results with a similar leachate or waste stream. The Contractor also must obtain prior approval of the alternative GCL by the Project Engineer.

2.1 Materials

A. Acceptable GCL products are Bentomat® ST, as manufactured by CETCO, 2870 Forbs Avenue, Hoffman Estates, Illinois 60192 USA (800-527-9948), or an engineer-approved equal.

B. The GCL shall have the properties shown in the Bentomat ST Certified Properties table.

C. The moisture content of the bentonite in the finished GCL shall be between 20 and 40 percent, to ensure uniform bentonite distribution, consistent needlepunch density, and adequate electrical conductivity to maximize leak location survey sensitivity.

D. GCL shall be needlepunch-reinforced, with a minimum peel strength of 3.5 lb/inch (610 N/m). To maximize large-displacement shear strength, GCL reinforcement shall be achieved solely through needlepunching, without any supplemental heat treatment.

E. The GCL shall have 10,000-hour test data for large-scale constant-load (creep) shear testing under hydrated conditions. The displacement shall be 0.11 in. (2.7 mm) or less at a constant shear load of 250 psf (12 kPa) and a normal load of 500 psf (24 kPa).

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

F. The GCL shall have seam test data from an independent laboratory showing that the seam flow with a grooved cut in the nonwoven geotextile is less than 1×10^{-8} $m^3/m^2/s$ at 2 psi hydraulic pressure.

G. The minimum acceptable dimensions of full-size GCL panels shall be 150 feet (45.7 m) in length. Short rolls [(those manufactured to a length greater than 70 feet (21 m) but less than a full-length roll)] may be supplied at a rate no greater than 3 per truckload or 3 rolls every 36,000 square feet (3,500 square meters) of GCL, whichever is less.

H. A 6-inch (150 mm) overlap guideline shall be imprinted on both edges of the upper geotextile component of the GCL as a means for providing quality assurance of the overlap dimension. Lines shall be printed in easily visible, non-toxic ink.

2.2 Product Quality Documentation

The GCL manufacturer shall provide the Contractor or other designated party with manufacturing QA/QC certifications for each shipment of GCL. The certifications shall be signed by a responsible party employed by the GCL manufacturer and shall include:

A. Certificates of analysis for the bentonite clay used in GCL production demonstrating compliance with the swell index and fluid loss values shown in the Bentomat ST Certified Properties table.

B. Manufacturer's test data for the finished GCL product demonstrating compliance with the values shown in the Bentomat ST Certified Properties table.

C. GCL lot and roll numbers supplied for the project (with corresponding shipping information).

Manufacturer's test data for finished GCL product(s), including GCL index flux, permeability and hydrated internal shear strength data, which demonstrate compliance with the performance parameters shown in the Bentomat ST Certified Properties table, are available upon request of the manufacturer.

2.3 Product Labeling

A. Prior to shipment, the GCL manufacturer shall label each roll, identifying:

1. Product identification information (Manufacturer's name and address, brand product code).

2. Lot number and roll number.

3. Roll length, width and weight.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

BENTOMAT® ST CERTIFIED PROPERTIES

MATERIAL PROPERTY	TEST METHOD	TEST FREQUENCY $ft^2(m^2)$	REQUIRED VALUES
Bentonite Swell Index[1]	ASTM D 5890	1 per 50 tonnes	24 ml/2g min.
Bentonite Fluid Loss[1]	ASTM D 5891	1 per 50 tonnes	18 ml max.
Bentonite Mass/Area[2]	ASTM D 5993	40,000 ft^2 (4,000 m^2)	0.75 lb/ft^2 (3.6 kg/m^2) min
GCL Tensile Strength[3]	ASTM D 6768	200,000 ft^2 (20,000 m^2)	30 lbs/in (53 N/cm) MARV
GCL Peel Strength[3]	ASTM D 6496	40,000 ft^2 (4,000 m^2)	3.5 lbs/in (6.1 N/cm) min
GCL Index Flux[4]	ASTM D 5887	Weekly	1×10^{-8} m^3/m^2/sec max
GCL Hydraulic Conductivity[4]	ASTM D 5887	Weekly	5×10^{-9} cm/sec max
GCL Hydrated Internal Shear Strength[5]	ASTM D 5321 ASTM D 6243	Periodic	500 psf (24 kPa) typ @ 200 psf

Bentomat ST is a reinforced GCL consisting of a layer of granular sodium bentonite between woven and nonwoven geotextiles, which are needlepunched together.

Notes

[1] Bentonite property tests performed at a bentonite processing facility before shipment to CETCO's GCL production facilities.

[2] Bentonite mass/area reported at 0 percent moisture content.

[3] All tensile strength testing is performed in the machine direction using ASTM D 6768. All peel strength testing is performed using ASTM D 6496. Upon request, tensile and peel results can be reported per modified ASTM D 4632 using 4 inch grips.

[4] Index flux and permeability testing with deaired distilled/deionized water at 80 psi (551kPa) cell pressure, 77 psi (531 kPa) headwater pressure and 75 psi (517 kPa) tailwater pressure. Reported value is equivalent to 925 gal/acre/day. This flux value is equivalent to a permeability of 5×10^{-9} cm/sec for typical GCL thickness. Actual flux values vary with field condition pressures. The last 20 weekly values prior the end of the production date of the supplied GCL may be provided.

[5] Peak values measured at 200 psf (10 kPa) normal stress for a specimen hydrated for 48 hours. Site-specific materials, GCL products, and test conditions must be used to verify internal and interface strength of the proposed design.

800.527.9948 Fax 847.577.5566

For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

2.4 Packaging

A. The GCL shall be wound around a rigid core whose diameter is sufficient to facilitate handling. The core is not necessarily intended to support the roll for lifting but should be sufficiently strong to prevent collapse during transit.

B. All rolls shall be labeled and bagged in packaging that is resistant to photodegradation by ultraviolet (UV) light.

2.5 Accessory Bentonite

A. The granular bentonite sealing clay used for overlap seaming, penetration sealing and repairs shall be made from the same natural sodium bentonite as used in the GCL and shall be as recommended by the GCL manufacturer. Seaming of GCLs shall be conducted in accordance with the manufacturer's guidelines for each particular GCL.

3.0 EXECUTION

3.1 Shipping and Handling

A. The manufacturer assumes responsibility for initial loading the GCL. Shipping will be the responsibility of the party paying the freight. Unloading, on-site handling and storage of the GCL are the responsibility of the Contractor, Installer or other designated party.

B. A visual inspection of each roll should be made during unloading to identify if any packaging has been damaged. Rolls with damaged packaging should be marked and set aside for further inspection. The packaging should be repaired prior to being placed in storage.

C. The party responsible for unloading the GCL should contact the Manufacturer prior to shipment to ascertain the appropriateness of the proposed unloading methods and equipment.

3.2 Storage

A. Storage of the GCL rolls shall be the responsibility of the installer. A dedicated storage area shall be selected at the job site that is away from high traffic areas and is level, dry and well drained.

B. Rolls should be stored in a manner that prevents sliding or rolling from the stacks and may be accomplished by the use of chock blocks. Rolls should be stacked at a height no higher than that at which the lifting apparatus can be safely handled (typically no higher than four).

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

C. All stored GCL materials and the accessory bentonite must be covered with a plastic sheet or tarpaulin until their installation.

D. The integrity and legibility of the labels shall be preserved during storage.

3.3 Earthwork

A. Any earthen surface upon which the GCL is installed shall be prepared and compacted in accordance with the project specifications and drawings. The surface shall be smooth, firm, and unyielding, and free of:

1. Vegetation.
2. Construction Debris.
3. Sticks.
4. Sharp rocks.
5. Void spaces.
6. Ice.
7. Abrupt elevation changes.
8. Standing water.
9. Cracks larger than one-quarter inch (6 mm) in width.
10. Any other foreign matter that could contact the GCL.

B. Subgrade surfaces consisting of granular soils or gravels may not be acceptable due to their large void fraction and puncture potential. In applications where the GCL is the only barrier, subgrade soils should have a particle-size distribution at least 80 percent finer than the #60 sieve (0.25 mm). In other applications, subgrade soils should range between fines and 1 inch (25 mm). In high-head applications (greater than 1 foot or 30.48 cm), CETCO recommends a membrane-laminated GCL (Bentomat CL or Bentomat CLT).

C. Immediately prior to GCL deployment, the subgrade shall be final-graded to fill in all voids or cracks and then smooth-rolled to provide the best practicable surface for the GCL. At completion of this activity, no wheel ruts, footprints or other irregularities shall exist in the subgrade. Furthermore, all protrusions extending more than one-half inch (12 mm) from the surface shall either be removed, crushed or pushed into the surface with a smooth-drum compactor.

D. On a continuing basis, the project CQA inspector shall certify acceptance of the subgrade before GCL placement.

E. It shall be the installer's responsibility thereafter to indicate to the Engineer any change in the condition of the subgrade that could cause the subgrade to be out of compliance with any of the requirements listed in this Section.

F. At the top of sloped areas of the job site, an anchor trench for the GCL shall be excavated or an equivalent runout shall be utilized in accordance with the project plans and specifications and as approved by the CQA Inspector. When utilizing an anchor trench design, the trench shall be excavated and approved by the CQA Inspector prior

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

to GCL placement. No loose soil shall be allowed at the bottom of the trench and no sharp corners or protrusions shall exist anywhere within the trench.

3.4 GCL Placement

A. The areas to be lined with GCL shall be agreed upon by the Installer and the Engineer prior to installation.

B. GCL rolls should be delivered to the working area of the site in their original packaging. Immediately prior to deployment, the packaging should be carefully removed without damaging the GCL. The orientation of the GCL (i.e., which side faces up) should be in accordance with the Engineer's recommendations.

C. Equipment which could damage the GCL shall not be allowed to travel directly on it. If the installation equipment causes rutting of the subgrade, the subgrade must be restored to its originally accepted condition before placement continues.

D. Care must be taken to minimize the extent to which the GCL is dragged across the subgrade in order to avoid damage to the bottom surface of the GCL. A temporary geosynthetic subgrade covering commonly known as a slip sheet or rub sheet may be used to reduce friction damage during placement.

E. The GCL panels shall be placed parallel to the direction of the slope.

F. All GCL panels should lie flat on the underlying surface, with no wrinkles or fold, especially at the exposed edges of the panels.

G. Only as much GCL shall be deployed as can be covered at the end of the working day with soil, a geomembrane, or a temporary waterproof tarpaulin. The GCL shall not be left uncovered overnight. If the GCL is hydrated when no confining stress is present, it may be necessary to remove and replace the hydrated material. The project Engineer, CQA inspector, and GCL supplier should be consulted for specific guidance if premature hydration occurs.

3.5 Anchorage

A. As directed by the project drawings and specifications, the end of the GCL roll shall be placed in an anchor trench at the top of the slope or an equivalent runout design shall be utilized. When utilizing an anchor trench design, the front edge of the trench should be rounded so as to eliminate any sharp corners. Loose soil should be removed from the floor of the trench. The GCL should cover the entire trench floor but does not extend up the rear trench wall.

3.6 Seaming

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

A. The GCL seams are constructed by overlapping their adjacent edges. Care should be taken to ensure that the overlap zone is not contaminated with loose soil or other debris.

B. The minimum dimension of the longitudinal overlap should be 6 inches (150 mm) for Bentomat ST. If the GCL is manufactured with a grooved cut in the nonwoven geotextile that allows bentonite to freely extrude into the longitudinal overlap then no supplemental bentonite is required for this overlap. If the GCL does not have a grooved cut in the nonwoven geotextile longitudinal overlap, then bentonite-enhanced seams are required as described below.

C. End-of-roll overlapped seams should be constructed with a minimum overlap of 24 inches (600 mm) for Bentomat ST. Seams at the ends of the panels should be constructed such that they are shingled in the direction of the grade to prevent the potential for runoff flow to enter the overlap zone. End-of-roll overlapped seams require bentonite-enhanced seams as described below.

D. Bentonite-enhanced seams are constructed between the overlapping adjacent panels as follows. The underlying edge of the longitudinal overlap is exposed and then a continuous bead of granular sodium bentonite is applied along a zone defined by the edge of the underlying panel and the 6-inch (150-mm) line. The granular bentonite shall be applied at a minimum application rate of one quarter pound per lineal foot (0.4 kg/m). A similar bead of granular sodium bentonite is applied at the end-of-roll overlap.

E. Cyclical wetting and drying of GCL covered only with geomembrane can cause overlap separation. Soil cover should be placed promptly whenever possible. Geomembranes should be covered with a white geotextile and/or operations layer without delay to minimize the intensity of wet-dry cycling. If there is the potential for unconfined cyclic wetting and drying over an extended period of time, the longitudinal seam overlaps should be increased based on the project engineer's recommendations.

F. To avoid seam separation, the GCL should not be put in excessive tension by the weight or expansion of textured geomembrane on steep slopes. The project Engineer should be consulted about the potential for GCL tension to develop.

3.7 Detail Work

A. The GCL shall be sealed around penetrations and embedded structures embedded in accordance with the design drawings and the GCL Manufacturer.

B. Cutting the GCL should be performed using a sharp utility knife. Frequent blade changes are recommended to avoid damage to the geotextile components of the GCL during the cutting process.

3.8 Damage Repair

A. If the GCL is damaged (torn, punctured, perforated, etc.) during installation, it may be possible to repair it by cutting a patch to fit over the damaged area. The patch shall be

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

obtained from a new GCL roll and shall be cut to size such that a minimum overlap of 12 inches (300 mm) is achieved around all of the damaged area. Granular bentonite or bentonite mastic should be applied around the damaged area prior to placement of the patch. It may be desirable to use an adhesive to affix the patch in place so that it is not displaced during cover placement.

3.9 Cover Placement

A. Cover soils shall be free of angular stones or other foreign matter that could damage the GCL. Cover soils should be approved the project Engineer with respect to particle size, uniformity and chemical compatibility. Cover soils with high concentrations of calcium (e.g., limestone, dolomite) are not acceptable.

B. Soil cover shall be placed over the GCL using construction equipment that minimizes stresses on the GCL. A minimum thickness of 1 foot (300 mm) of cover should be maintained between the equipment tires/tracks and the GCL at all times during the covering process. This thickness recommendation does not apply to frequently trafficked areas or roadways, for which a minimum thickness of 2 feet (600 mm) is required.

C. Soil cover should be placed in a manner that prevents the soil from entering the GCL overlap zones. Cover soil shall be pushed up slopes, not down slopes, to minimize tensile forces on the GCL.

D. Although direct vehicular contact with the GCL is to be avoided, lightweight, low ground pressure vehicles (such as 4-wheel all-terrain vehicles) may be used to facilitate the installation of any geosynthetic material placed over the GCL. The GCL supplier or CQA engineer should be contacted with specific recommendations on the appropriate procedures in this situation.

E. When a textured geomembrane is installed over the GCL, a temporary geosynthetic covering known as a slip sheet or rub sheet should be used to minimize friction during placement and to allow the textured geomembrane to be more easily moved into its final position.

800.527.9948 Fax 847.577.5566
For the most up-to-date product information, please visit our website, www.cetco.com.
A wholly owned subsidiary of AMCOL International Corporation. The information and data contained herein are believed to be accurate and reliable, CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

Appendix P

Compaction Test Results

TECTONIC

FIELD REPORT SUBMITTAL

W.O. NO. 5467.01

DATE: 7/22/10 | PAGE 1 OF 1

PROJECT NAME: Hudson Heritage

PROJECT LOCATION: Poughkeepsie, NY

☒ 70 Pleasant Hill Road, P.O. Box 37, Mountainville, N.Y. 10953, Phone: 845-534-5959, Fax: 845-534-5999

☐ 12 Cornell Road, Latham, N.Y. 12110, Phone: 518-783-1630, Fax: 518-783-9523

☐ 4 West Main Street, Northborough, MA 01532, Phone: 508-393-7411, Fax: 508-393-4740

☐ 9100 Centre Pointe Drive, Suite 100, West Chester, OH 45069, Phone: 513-942-9530, Fax: 513-942-9531

☐ 804 Moorefield Park Drive, Suite 100, Richmond, VA 23236, Phone: 804-330-7203, Fax: 804-330-7213

☐ 1344 Silas Deane Highway, Suite 500, Rocky Hill, CT 06067, Phone: 860-563-2341, Fax: 860-257-4882

TO Scavo Contracting
PO Box 520
Patterson, NY 12563

TECTONIC PROJECT MANAGER: James Duesel

TECTONIC PROJECT ENGINEER: Mark A. Stier, P.E.

THE FOLLOWING DAILY FIELD REPORTS HAVE BEEN REVIEWED BY TECTONIC'S PROJECT ENGINEER AND ARE BEING SUBMITTED TO THE ATTENTION OF:

Mr. Erik Hansen REPORTS: 1 & 2 DATED: June 11 & 23, 2010

COMMENTS:

The following is a summary of construction activities observed by Tectonic Engineering's field representatives during the dates noted above. Please see the attached Daily Field Reports for more detailed information.

Soils Compaction Testing:

- On site per the Client's representatives request to conduct in-place soils compaction testing within the barrier protection cover layer and gas venting layer of the landfill cap. Conducted several in-place density tests on the dates noted above using a Troxler nuclear moisture-density gauge. See attached field reports for details of locations and test results.

ATTACHMENTS:

- Laboratory Soils Gradation, pH, Organic Content & Proctor Test Results (Imported samples BS-1, BS-2, BS-3 & BS-4)

COPY TO:

File

James Duesel

PREPARED BY: James Duesel

7/22/10

DATE: July 22, 2010

NOTICE

The field representative is on site solely to observe operations of the contractor identified, observe conformance with contract documents, and report those operations to the client. The presence and activities of the field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.

TECTONIC

Practical Solutions, Exceptional Service

Particle-Size Analysis of Soils

ASTM D 422, D 1140; C136, C 117

Date: March 12, 2010
W.O.#: 5467.01
Project: Hudson Heritage

Sample ID: BS-1
Date Sampled: 3/10/10

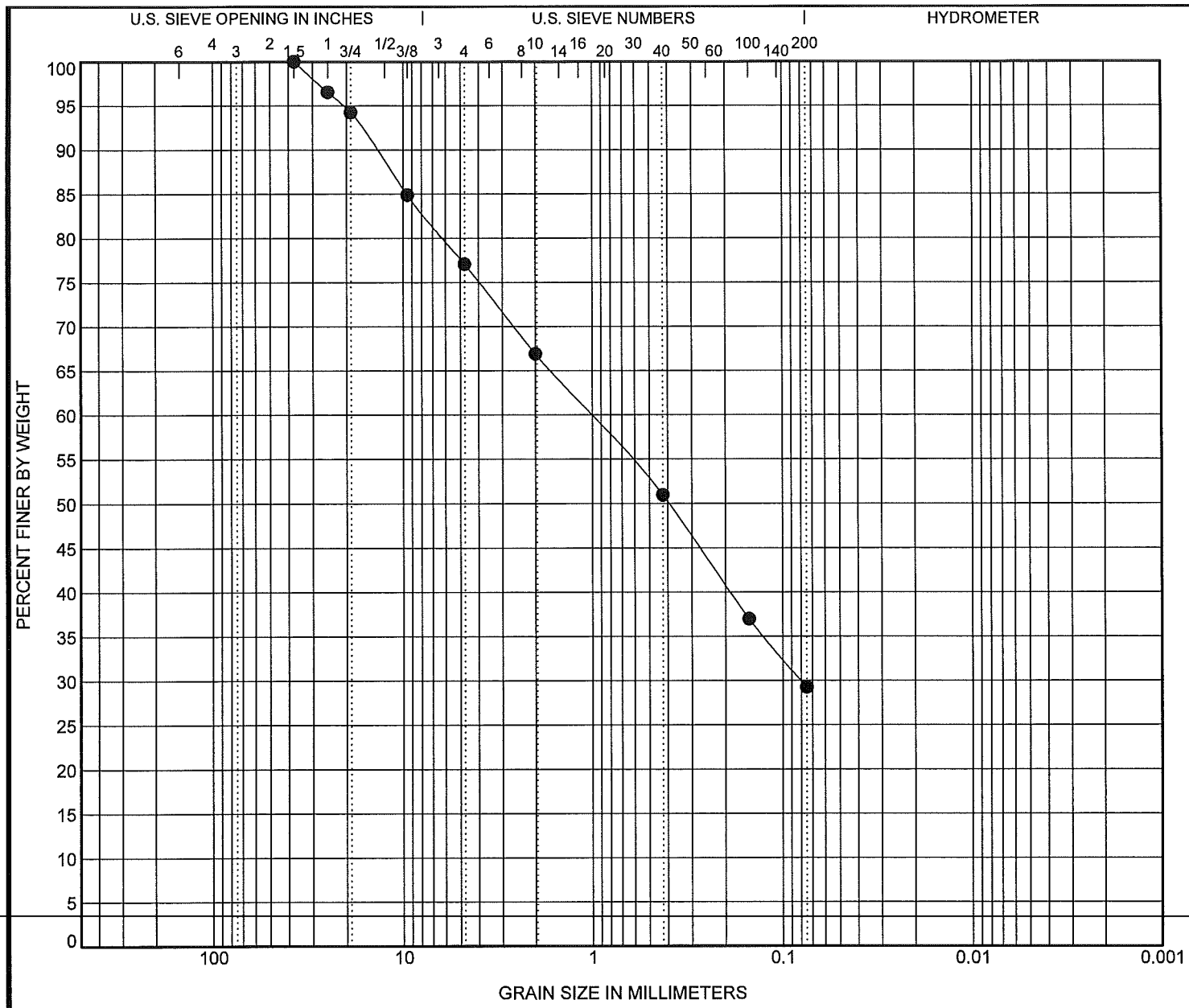
Sample Source: Import (Deep Green)
Proposed Use: Barrior Protection Soil
Material Specification: Cover Material 02360-4 / 2.1 D

BS-1 ***Description:*** Bwn c-f SAND, some Silt, some c-f Gravel

GRAVEL =	22.9%	SAND =	47.8%	SILT & CLAY =	29.2%

	Sieve Size	Total Sample % Passing	Specification	Pass / Fail Sieve Spec.
Coarse Gravel	3"	100.00%	100	PASS
↓	2"			
↓	1.5"			
↓	1"	96.53%		
Fine Gravel	3/4"	94.23%		
↓	1/2"			
↓	3/8"	84.89%		
↓	no. 3 or 1/4"			
Coarse Sand	no. 4	77.07%		
↓	no. 6			
↓	no. 8			
Medium Sand	no. 10	66.92%	30-90	PASS
↓	no. 16			
↓	no. 20			
↓	no. 30			
Fine Sand	no. 40	50.96%	10-70	PASS
↓	no.50			
↓	no.70			
↓	no. 100	36.99%		
↓	no. 140			
Silt & Clay	no. 200	29.25%	0-10	FAIL
↓	no. 270			

Notes: BS-1 Fails to meeet the specification for Barrier Protection Soil 02360-4 Cover Material 2.1 D. The # 200 seive fails.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Identification	Classification	WC%	LL	PL	PI	Cc	Cu
●	**BS-1**	**Bwn c-f SAND, some Silt, some c-f Gravel**	**7.6**					

	Sample Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	Source of Material
●	**BS-1**	**37.5**	**1.022**	**0.08**		**22.9**	**47.8**	**29.2**		**Import (Deep Green)**

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

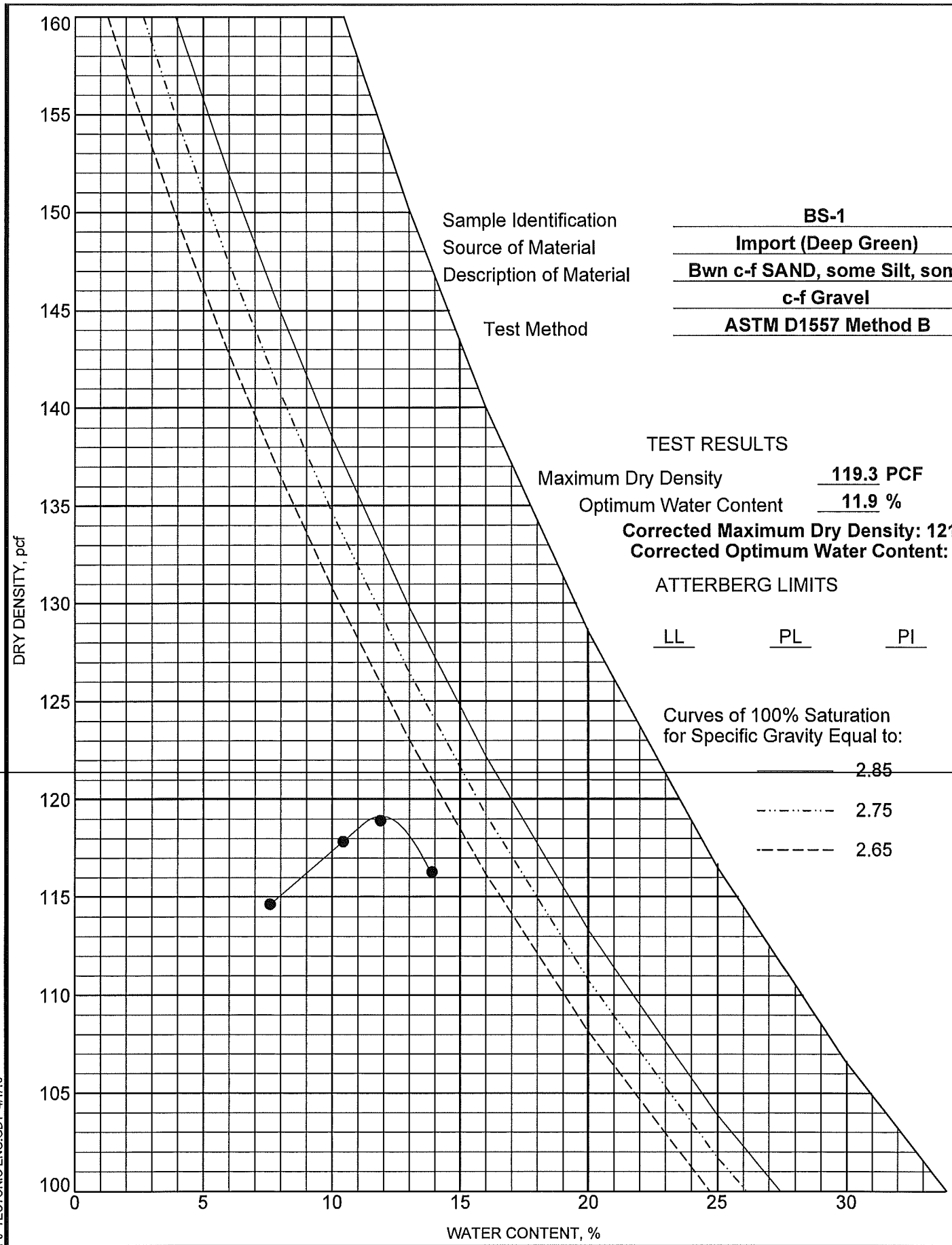
2570 Route 9W
Cornwall, NY 12518
Telephone: (845) 534-3450 Fax: (854) 534-3556

GRAIN SIZE DISTRIBUTION

Project No: **5467.01** Date: **3/12/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**



Sample Identification	**BS-1**
Source of Material	**Import (Deep Green)**
Description of Material	**Bwn c-f SAND, some Silt, some c-f Gravel**
Test Method	**ASTM D1557 Method B**

TEST RESULTS

Maximum Dry Density **119.3** PCF

Optimum Water Content **11.9** %

Corrected Maximum Dry Density: 121.2 PCF
Corrected Optimum Water Content: 11.2%

ATTERBERG LIMITS

LL PL PI

Curves of 100% Saturation for Specific Gravity Equal to:

2.85

2.75

2.65

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

MOISTURE-DENSITY RELATIONSHIP

Project No: **5467.01** Date: **4/1/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**

TECTONIC

Practical Solutions, Exceptional Service

Particle-Size Analysis of Soils

ASTM D 422, D 1140; C136, C 117

Date: April 1, 2010
W.O.#: 5467.01
Project: Hudson Heritage

Sample ID: BS-2
Date Sampled: 3/30/10

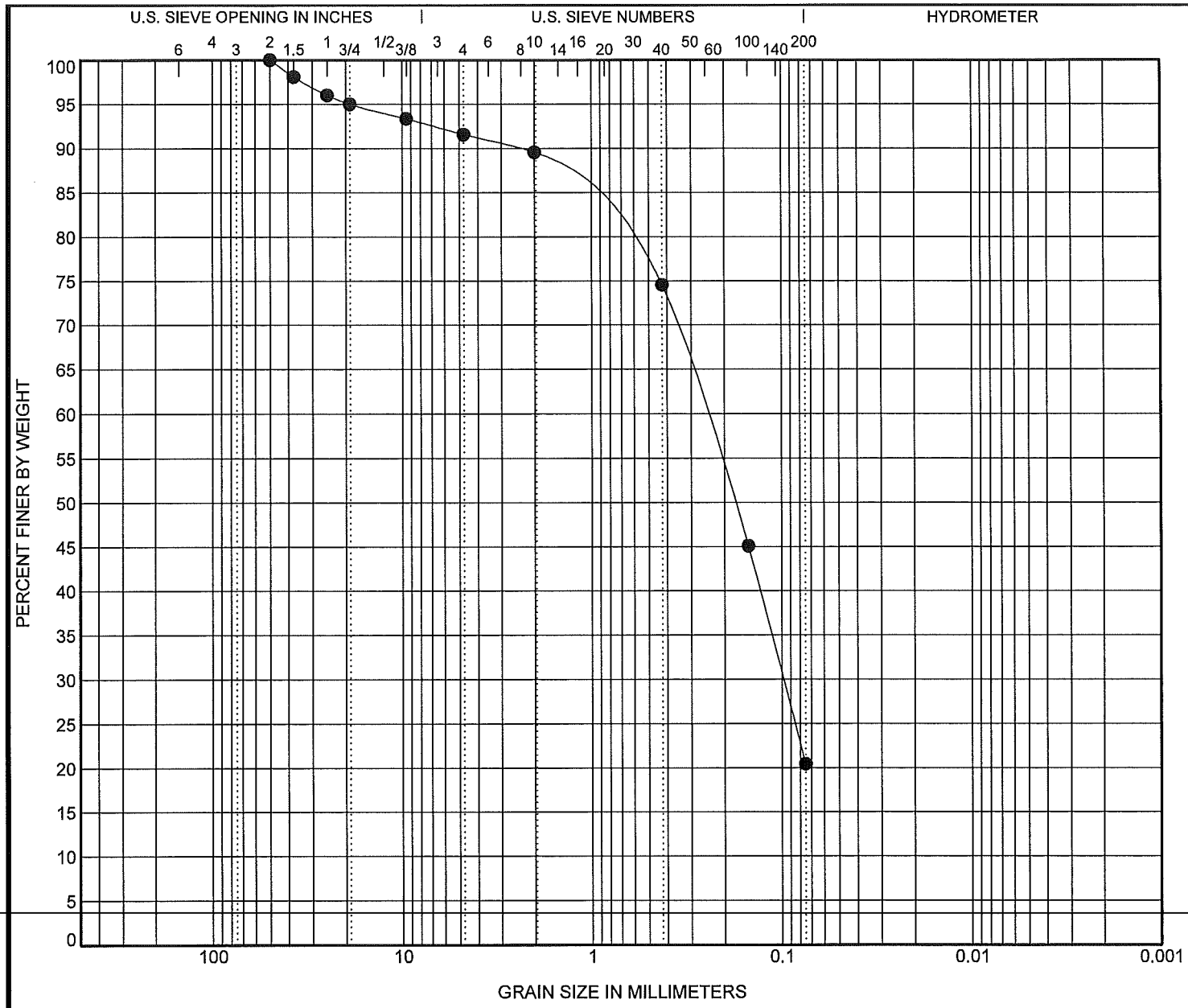
Sample Source: Import (Liberty Trucking)
Proposed Use: Barrior Protection Soil
Material Specification: Cover Material 02360-4 / 2.1 D

BS-2 ***Description:*** Bwn m-f SAND, some Silt, trace c-f Gravel

GRAVEL =	8.4%	SAND =	71.1%	SILT & CLAY =	20.4%

	Sieve Size	Total Sample % Passing	Specification	Pass / Fail Sieve Spec.
Coarse Gravel	3"	100.00%	**100**	**PASS**
↓	2"			
↓	1.5"	98.08%		
↓	1"	96.01%		
Fine Gravel	3/4"	95.00%		
↓	1/2"			
↓	3/8"	93.34%		
↓	no. 3 or 1/4"			
Coarse Sand	no. 4	91.56%		
↓	no. 6			
↓	no. 8			
Medium Sand	no. 10	89.55%	**30-90**	**PASS**
↓	no. 16			
↓	no. 20			
↓	no. 30			
Fine Sand	no. 40	74.55%	**10-70**	**FAIL**
↓	no.50			
↓	no.70			
↓	no. 100	45.09%		
↓	no. 140			
Silt & Clay	no. 200	20.45%	**0-10**	**FAIL**
↓	no. 270			

Notes: BS-2 Fails to meeet the specification for Barrier Protection Soil 02360-4 Cover Material 2.1 D. The # 40 & # 200 seive fails.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Identification	Classification	WC%	LL	PL	PI	Cc	Cu
●	**BS-2**	**Bwn m-f SAND, some Silt, trace c-f Gravel**	**13.4**					
		Barrior Protection						

	Sample Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	Source of Material
●	**BS-2**	**50**	**0.254**	**0.098**		**8.4**	**71.1**	**20.4**		**Import (Liberty Trucking)**

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

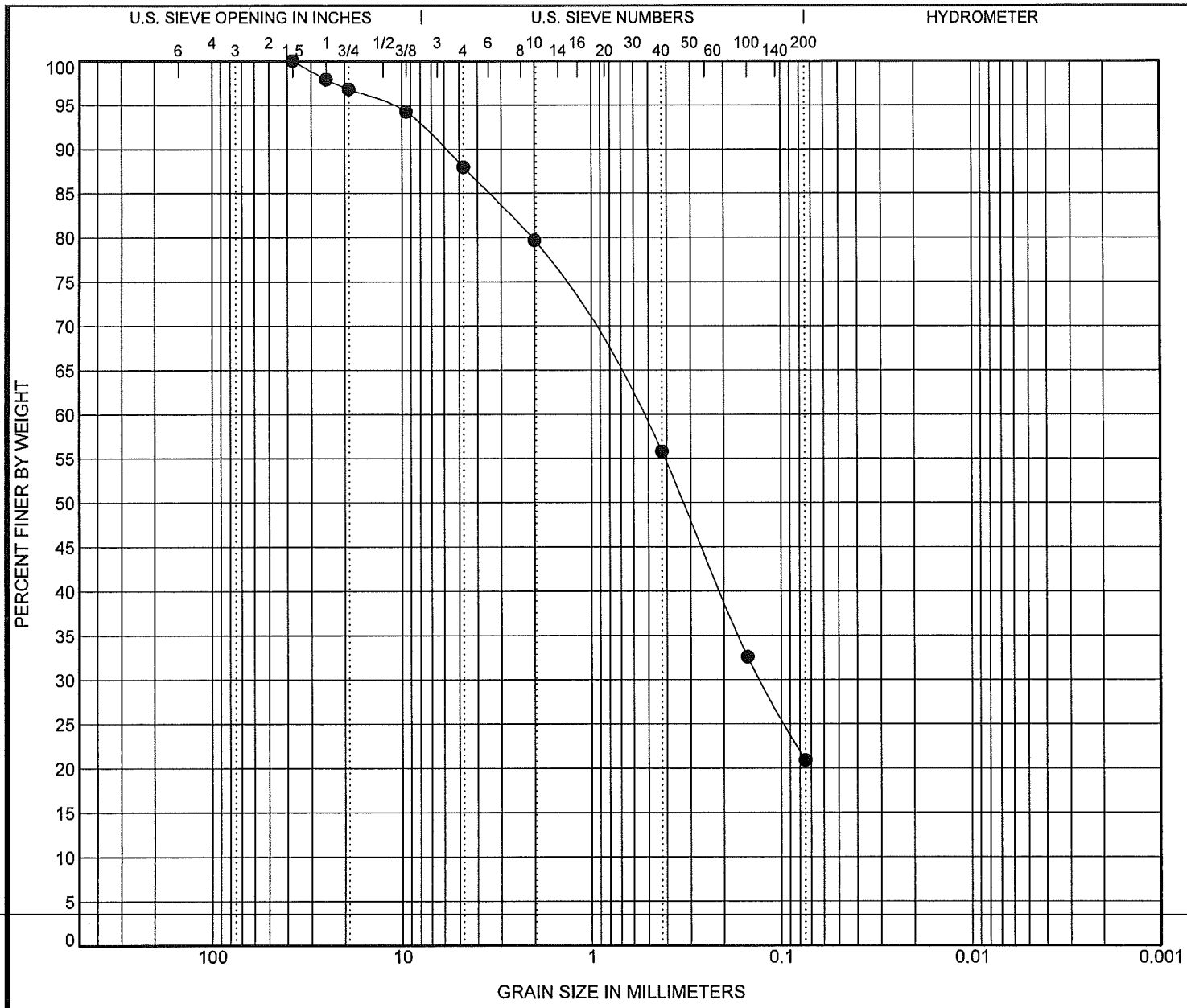
280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

GRAIN SIZE DISTRIBUTION

Project No: **5467.01** Date: **4/5/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Identification	Classification	WC%	LL	PL	PI	Cc	Cu
●	**BS-3**	**Bwn c-f SAND, some Silt, little c-f Gravel**	**24.6**					
		Topsoil						

	Sample Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	Source of Material
●	**BS-3**	**37.5**	**0.558**	**0.129**		**12.0**	**67.1**	**20.9**		**Import (Liberty Trucking)**

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

GRAIN SIZE DISTRIBUTION

Project No: **5467.01** Date: **4/5/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**

Boring #	Depth (Ft.)	Sample #	Specimen Description % Gravel : % Sand : % Fines	USCS	Water Content	Liquid Limit	Plastic Limit	Plasticity Index	Penetro - meter (tsf)	Torvane (tsf)	Dry Density (pcf)	Organic Content (%)	pH
BS-3	1.0		Bwn c-f SAND, some Silt, little c-f Gravel 12.0 : 67.1 : 20.9		25							11	7.7

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

Summary of Laboratory Results

Project No: **5467.01** Date: **4/5/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**

TECTONIC

Practical Solutions, Exceptional Service

Particle-Size Analysis of Soils

ASTM D 422, D 1140; C136, C 117

Date: May 10, 2010
W.O.#: 5467.01
Project: Hudson Heritage

Sample ID: BS-4
Date Sampled: 4/26/10

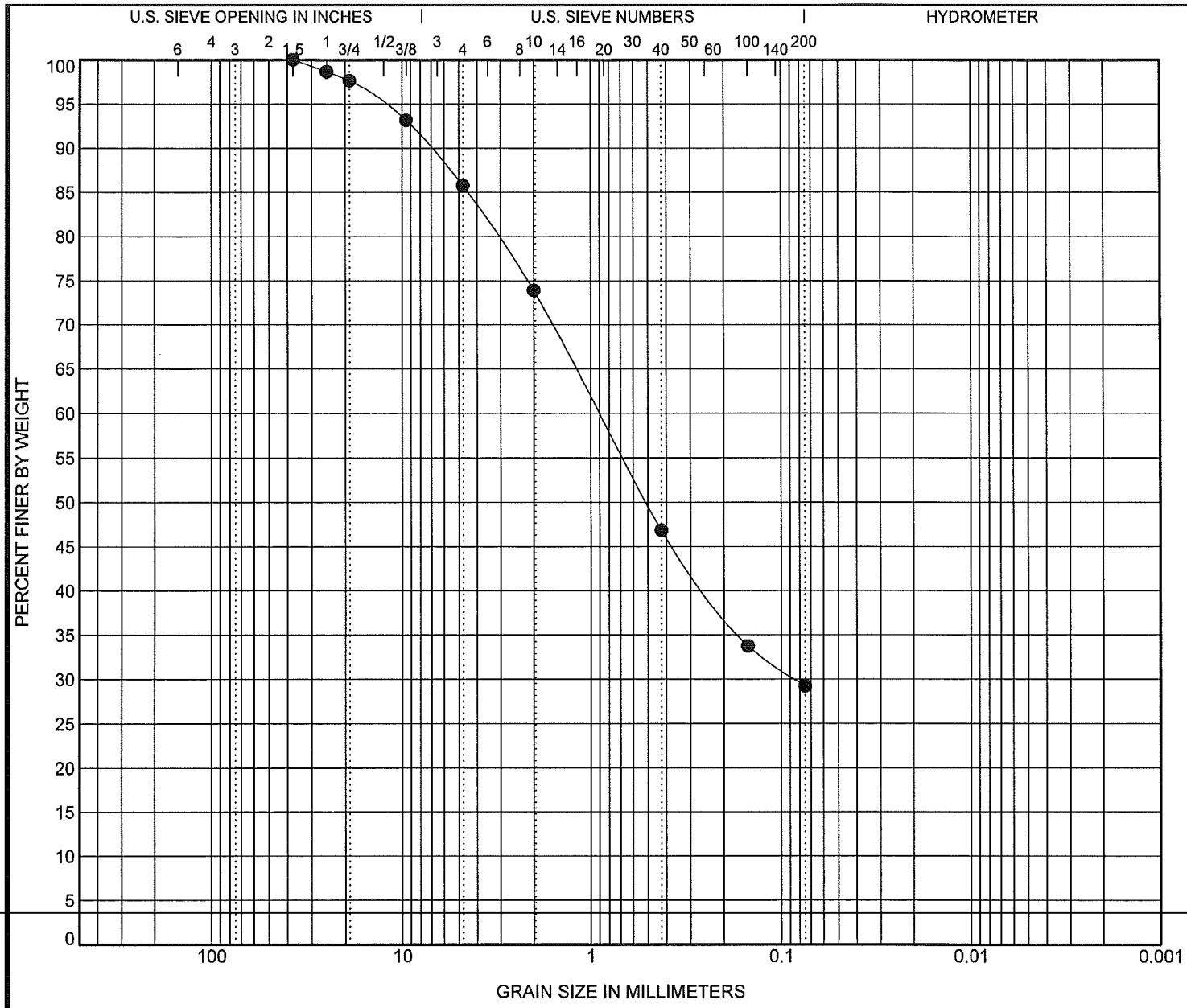
Sample Source: Import (Liberty Trucking)
Proposed Use: Veg. Support
Material Specification: Vegetative Support Material 02920-4 2.2 / C

BS-4 ***Description:*** Bwn c-f SAND, some Silt, little c-f Gravel

GRAVEL =	14.2%	SAND =	56.5%	SILT & CLAY =	29.2%

	Sieve Size	Total Sample % Passing	Specification	Pass / Fail Sieve Spec.
Coarse Gravel	3"			
↓	2"			
↓	1.5"	100.00%	**100**	**PASS**
↓	1"	98.65%		
Fine Gravel	3/4"	97.64%		
↓	1/2"			
↓	3/8"	93.16%		
↓	no. 3 or 1/4"			
Coarse Sand	no. 4	85.75%		
↓	no. 6			
↓	no. 8			
Medium Sand	no. 10	73.92%		
↓	no. 16			
↓	no. 20			
↓	no. 30			
Fine Sand	no. 40	46.84%		
↓	no.50			
↓	no.70			
↓	no. 100	33.76%		
↓	no. 140			
Silt & Clay	no. 200	29.23%		
↓	no. 270			

Notes: BS-4 Meets the specification for Vegetative Support Material.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample Identification	Classification	WC%	LL	PL	PI	Cc	Cu
●	**BS-4**	**Bwn c-f SAND, some Silt, little c-f Gravel**	**23.5**					

	Sample Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	Source of Material
●	**BS-4**	**37.5**	**0.902**	**0.084**		**14.2**	**56.5**	**29.2**		**Import (Liberty Trucking)**

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

GRAIN SIZE DISTRIBUTION

Project No: **5467.01** Date: **5/10/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**

Boring #	Depth (Ft.)	Sample #	Specimen Description % Gravel : % Sand : % Fines	USCS	Water Content	Liquid Limit	Plastic Limit	Plasticity Index	Penetro - meter (tsf)	Torvane (tsf)	Dry Density (pcf)	Organic Content (%)	pH
BS-4	1.0		Bwn c-f SAND, some Silt, little c-f Gravel 14.2 : 56.5 : 29.2		23							12.5	6.3

TECTONIC *ENGINEERING & SURVEYING CONSULTANTS P.C.*

280 Little Britain Rd
Newburgh, NY 12550
Telephone: (845) 563-9081 Fax: (854) 563-9085

Summary of Laboratory Results

Project No: **5467.01** Date: **5/10/10**

Project: **Hudson Heritage**

Location: **Poughkeepsie, NY**

TECTONIC

DAILY FIELD REPORT

W.O.NO.: 5467.01 | PAGE 1 OF 3
REPORT NO.: 1 | DATE: 6/11/10
PUNCH LIST YES ☐ NO ☐

☐ 70 Pleasant Hill Road, Mountainville, NY 10953, P: 845-534-5959 F: 845-534-5999
☐ 36 British American Blvd, Suite 101, Latham, NY 12110, Phone: 518-783-1630 Fax: 518-783-1544
☐ 1279 Route 300 Newburgh, NY 12550, Phone- 845-567-6656 Fax- 845-567-8703, Structural Fax- 845-567-8705
☐ 1344 Silas Deane Highway, Suite 500, Rocky Hill, CT 06067, Phone: 860-563-2341 Fax: 860-257-4882
☐ 29-16 40th Ave, Long Island City, NY 11101, Phone- 718-391-9200 Fax- 718-391-0607
☒ 280 Little Britain Rd, Newburgh NY 12550, Phone- 845-563-9081 Fax- 845-563-9085
☐ 8607 Mayland Drive, Richmond, VA 23294, Phone- 804-217-8504 Fax- 804-270-0593

CLIENT: SCANO
PROJECT NAME: HUDSON HERITAGE
TECTONIC PROJECT MANAGER: JIM DUESEL
TECTONIC FIELD REPRESENTATIVE: CHRIS DUFFY
LOCATION: POUGHKEEPSIE, NY
GENERAL CONTRACTOR: SCANO
GENERAL CONTRACTOR'S REPRESENTATIVE: ERIK HANSEN
OWNER:
SPECIALTY CONTRACTOR: ☐ EARTH ☐ CONCRETE ☐ STEEL ☐ OTHER
PLANS AND SPECIFICATIONS
BY
DATE
CONTRACTOR'S EQUIPMENT OBSERVED IN USE:
SHOP DRAWINGS
TYPE
APP. BY
VISITORS: REPRESENTING: ARR. DPT.
RUSS & ONEILL
SAMPLES: ☐ TYPE: QTY:
TEMP. (°F)
PHOTOS: ☐ TYPE: QTY:
WEATHER:

CONSTRUCTION ACTIVITIES: INDICATE ACTIVITIES MONITORED

ON SITE PER CLIENT'S REQUEST TO OBSERVE AND TEST COMPACTION OF GAS VENTING LAYER. ACCORDING TO CLIENT'S REP; APPROX 6-INCHES OF CLEAN SAND WAS PLACED AND COMPACTED W/ A 10-TON ROLLER, UNDER THE OBSERVATIONS OF THE DESIGN ENGINEER'S REP. THE SAND APPEARED DRY & FIRM UNDER THE VIBRATORY ROLLER. THE TOP INCH OR SO WOULD EASILY DISTURB W/ EACH PASS OF THE ROLLER'S TIRES, THIS IS LIKELY DUE TO THE GRADATION OF THE SAND AND IS PRACTICALLY UN-AVOIDABLE. COMPACTION TESTING WAS PERFORMED TO DETERMINE THE CONSISTENCEY OF COMPACTION EFFORTS. TESTING WAS NOT PERFORMED TO DETERMINE THE DEGREE OF COMPACTION, DUE TO THE RELATIVELY THIN LAYER OF MATERIAL BEING TESTED. SEE ATTACHED FOR RESULTS AND LOCATION'S OF COMPACTION TESTS.

FORMS ATTACHED: ☒ SOIL COMPACTION ☐ NON-CONFORMANCE REPORT ☐ PRE-POUR INSPECTION ☐ CONCRETE INSPECTION ☐ STRUCTURAL STEEL ☒ OTHER: FIELD NOTES

FOLLOW-UP FROM PRIOR R ☐ YES ☐ NO DATE OF PRIOR REPORT:
NON-CONFORMANCE CORRECTED:
WHAT, IN PARTICULAR, SHOULD BE OBSERVED, CHECKED, OR TESTED DURING THE NEXT VISIT?

NOTICE
The field representative is on the site solely observe operations of the contractor identifi observe conformance with contract docume and report those operations to the client. Tl presence and activities of the field represer do not relieve the contractor's obligation to contractual requirements. The contractor re sole responsibility for site safety and the m and sequences of construction.

☒ THIS DFR IS PRELIMINARY
This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

☐ THIS DFR IS FINAL
A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

FIELD REPRESENTATIVE: DATE: 6/11/10
REVIEWED BY: Jim Duesel DATE:

TECTONIC

IN PLACE SOIL DENSITY TEST REPORT

W.O. NO.: 5467.01 | PAGE 2 OF 2
DATE: 6/11/10 | REPORT NO.: 1

■ 70 Pleasant Hill Road, Mountainville, NY 10953, Phone: 845-534-5959, Fax: 845-534-5999
☐ 12 Cornell Road, Latham, NY 12110, Phone: 518-783-1630, Fax: 518-783-1544
☐ 4 West Main Street, Northborough, MA 01532, Phone: 508-393-7411, Fax: 508-393-4740
☐ 9100 Centre Pointe Drive, Suite 100, West Chester, OH 45069, Phone: 513-942-9530, Fax: 513-942-9531
☐ 804 Moorefield Park Drive, Ste. 100, Richmond, VA 23236, Phone: 804-330-7203, Fax: 804-330-7213
☐ 1344 Silas Deane Highway, Suite 500, Rocky Hill, CT 06067, Phone: 860-563-2341, Fax: 860-257-4882

PROJECT NAME: HUDSON HERITAGE
LOCATION: POUGHKEPSIE, NY
CLIENT: SCANO
CONTRACTOR: SCANO
CONTRACTOR'S REPRESENTATIVE: ERIK HANSEN
TECTONIC'S REPRESENTATIVE: CHRIS DUFFY

WEATHER	BRITE SUN	CLEAR	OVERCAST	RAIN	SNOW
	X				
TEMP. (°F)	<32	32-50	50-70	70-85	85 UP
				X	
WIND	STILL	MODER.	HIGH		
		X			
HUMIDITY	DRY	MODER.	HUMID		
		X			

FIELD TEST METHOD: TROXLER

SOIL ID. NO.	DESCRIPTION OF SOIL OR FILL	SOURCE OF FILL	U.S.C.S.	OPTIMUM MOISTURE %	MAX. DRY DENSITY (pcf)	LAB TEST METHOD
—	GAS VENT SAND	IMPORT	SP	—	—	—

TEST NO.	TEST LOCATION	ELEV OR DEPTH	DEPTH OF SOURCE ROD	SOIL ID. NO.	% MOISTURE	TEST DRY DENSITY lbs./cu. ft.	% OF MAX. DRY DENSITY
1	SEE FIELD NOTES	0	4"		5.3	109.0	
2			6"		5.4	106.9	
3			6"		4.0	110.5	
4			6"		6.3	112.5	
5			6"		4.6	110.7	
6			6"		3.5	108.6	
7			4"		6.0	116.5	
8			6"		3.8	113.9	

REMARKS: TEST RESULTS DISCUSSED w/ DESIGN ENGINEER REP AND ACCEPTED AS PASSING.

COPY TO:

PREPARED BY: [signature]

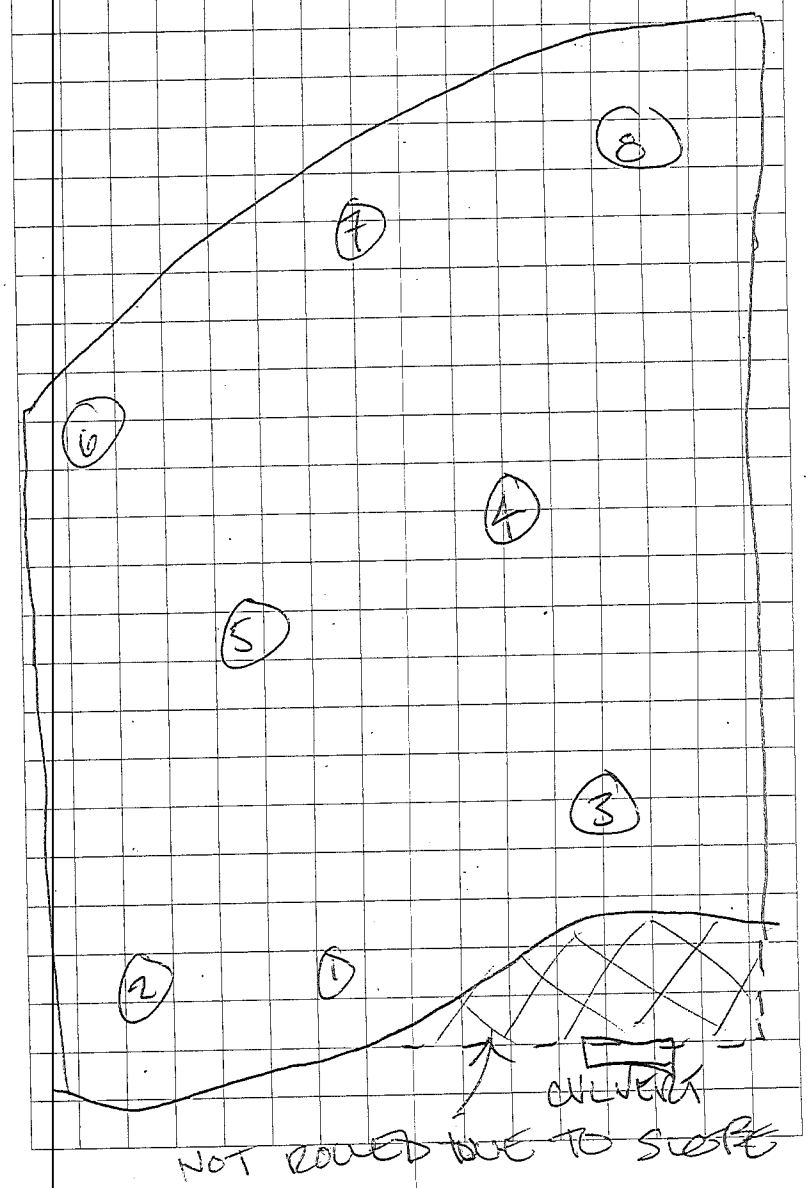
DATE: 6/11/10

#	DD	% m	PROBE
1	109.0	5.3	4"
2	106.9	5.4	6"
3	110.5	4.0	6"
4	112.5	6.3	6"
5	110.7	4.6	4"
6	108.6	3.5	6"
7	116.5	6.0	4"
8	113.9	3.8	6"

- PROOF ROLLED W/ 10-TON VIBRATORY ROLLER
- DRY, FIRM, UNYELDING
- SURFACE DISTURBANCE FROM RUBBER TIRES
- TEST RESULTS OK BY DESIGN REP

3/3

5/5/07.01
6/11/10



TECTONIC

DAILY FIELD REPORT

W.O.NO.: 5467.01 | PAGE 1 OF 2
REPORT NO.: 2 | DATE: 6/23/10
PUNCH LIST YES ☐ NO ☐

☐ 70 Pleasant Hill Road, Mountainville, NY 10953, P: 845-534-5959 F: 845-534-5999
☐ 36 British American Blvd, Suite 101, Latham, NY 12110, Phone: 518-783-1630 Fax: 518-783-1544
☐ 1279 Route 300 Newburgh, NY 12550, Phone- 845-567-6656 Fax- 845-567-8703, Structural Fax- 845-567-8705
☐ 1344 Silas Deane Highway, Suite 500, Rocky Hill, CT 06067, Phone: 860-563-2341 Fax: 860-257-4882
☐ 29-16 40th Ave, Long Island City, NY 11101, Phone- 718-391-9200 Fax- 718-391-0607
☒ 280 Little Britain Rd, Newburgh NY 12550, Phone- 845-563-9081 Fax- 845-563-9085
☐ 8607 Mayland Drive, Richmond, VA 23294, Phone- 804-217-8504 Fax- 804-270-0593

CLIENT: SCANO
PROJECT NAME: HUDSON HERITAGE
TECTONIC PROJECT MANAGER: JIM DUESEL
TECTONIC FIELD REPRESENTATIVE: CHRIS DUFFY
LOCATION: POUGHKEEPSIE, NY
GENERAL CONTRACTOR: SCANO
GENERAL CONTRACTOR'S REPRESENTATIVE: ERIK HANSEN
OWNER:
SPECIALTY CONTRACTOR: ☐ EARTH ☐ CONCRETE ☐ STEEL ☐ OTHER
PLANS AND SPECIFICATIONS
BY
DATE
CONTRACTOR'S EQUIPMENT OBSERVED IN USE:
SHOP DRAWINGS
TYPE
APP. BY
VISITORS: REPRESENTING: ARR. DPT.
SAMPLES: ☐ TYPE: QTY:
TEMP. (°F)
PHOTOS: ☐ TYPE: QTY:
WEATHER:

CONSTRUCTION ACTIVITIES: INDICATE ACTIVITIES MONITORED

TRAVEL TO SITE TO OBSERVE AND TEST COMPACTION OF BARRIER PROTECTION COVER SOIL, PER CLIENT'S REQUEST. ACCORDING TO THE CLIENT'S REP, THE COVER SOIL WAS PLACED AND COMPACTED UNDER PERIODIC OBSERVATIONS FROM THE DESIGN ENGINEER REP. THE CONTRACTOR HAD PLACED APPROX 90-INCHES OF MATERIAL OVER THE ENTIRE AREA. REPRESENTATIVE SECTIONS WERE PROOF ROLLED W/ THE 10-TON VIBRATORY ROLLER, AND APPEARED DRY, FIRM AND STABLE. COMPACTION TESTS WERE PERFORMED AND THE VAST MAJORITY EXCEEDED THE 90% REQUIREMENT FOR GRASS AREAS. AREAS THAT WERE LOW WERE RE-COMPACTED UNTIL RESULTS SATISFIED SPEC REQUIREMENTS. PLEASE SEE ATTACHED FOR COMPACTION TEST RESULTS.

FORMS ATTACHED: ☒ SOIL COMPACTION ☐ NON-CONFORMANCE REPORT ☐ PRE-POUR INSPECTION ☐ CONCRETE INSPECTION ☐ STRUCTURAL STEEL ☐ OTHER:

FOLLOW-UP FROM PRIOR R ☐ YES ☐ NO DATE OF PRIOR REPORT:
NON-CONFORMANCE CORRECTED:
WHAT, IN PARTICULAR, SHOULD BE OBSERVED, CHECKED, OR TESTED DURING THE NEXT VISIT?

NOTICE
The field representative is on the site solely observe operations of the contractor identifi observe conformance with contract docume and report those operations to the client. Tl presence and activities of the field represer do not relieve the contractor's obligation to contractual requirements. The contractor re sole responsibility for site safety and the m and sequences of construction.

☒ THIS DFR IS PRELIMINARY
This preliminary report is provided solely as evidence that field observation was performed. Observation and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

☐ THIS DFR IS FINAL
A final report is the instrument of service. Any conclusions drawn from this report should be discussed with and evaluated by the owner's engineer.

FIELD REPRESENTATIVE: DATE: 6/23/
REVIEWED BY: Jim Duesel DATE:

TECTONIC

IN PLACE SOIL DENSITY TEST REPORT

W.O. NO.: 5467.01 | PAGE 2 OF 2
DATE: 6/23/10 | REPORT NO.: 2

■ 70 Pleasant Hill Road, Mountainville, NY 10953, Phone: 845-534-5959, Fax: 845-534-5999
☐ 12 Cornell Road, Latham, NY 12110, Phone: 518-783-1630, Fax: 518-783-1544
☐ 4 West Main Street, Northborough, MA 01532, Phone: 508-393-7411, Fax: 508-393-4740
☐ 9100 Centre Pointe Drive, Suite 100, West Chester, OH 45069, Phone: 513-942-9530, Fax: 513-942-9531
☐ 804 Moorefield Park Drive, Ste. 100, Richmond, VA 23236, Phone: 804-330-7203, Fax: 804-330-7213
☐ 1344 Silas Deane Highway, Suite 500, Rocky Hill, CT 06067, Phone: 860-563-2341, Fax: 860-257-4882

PROJECT NAME: HUDSON HERITAGE
LOCATION: POUGHKEEPSIE, NY
CLIENT: SCANO
CONTRACTOR: SCANO
CONTRACTOR'S REPRESENTATIVE: ERIK HANSEN
TECTONIC'S REPRESENTATIVE: CHRIS DUFFY

WEATHER	BRITE SUN	CLEAR	OVERCAST	RAIN	SNOW
	X				
TEMP. (°F)	<32	32-50	50-70	70-85	85 UP
					X
WIND	STILL	MODER.	HIGH		
		X			
HUMIDITY	DRY	MODER.	HUMID		
			X		

FIELD TEST METHOD: TROXLER

SOIL ID. NO.	DESCRIPTION OF SOIL OR FILL	SOURCE OF FILL	U.S.C.S.	OPTIMUM MOISTURE %	MAX. DRY DENSITY (pcf)	LAB TEST METHOD
BS-1	BARRIER PROTECTION	IMPORT		119	119.3	
BS-1C	CORRECTED	"		112	121.2	

TEST NO.	TEST LOCATION	ELEV OR DEPTH	DEPTH OF SOURCE ROD	SOIL ID. NO.	% MOISTURE	TEST DRY DENSITY lbs./cu. ft.	% OF MAX. DRY DENSITY
1	BARRIER PROTECTION COVER LAYER	0	6"	1C	8.1	110.2	90.9
2			6"	1C	8.0	110.9	91.5
3			6"	1	8.0	112.9	93.9
4			8"	1	9.8	107.8	90.4
5			8"	1C	10.0	108.5	89.5
6			6"	1C	8.3	110.5	91.1
7			6"	1C	8.6	109.6	90.4
8			8"	1C	9.7	111.7	92.1
9			8"	1C	9.6	116.8	96.4
10			8"	1C	11.1	117.1	96.6
11			8"	1C	9.5	110.7	91.3
12			8"	1C	8.7	108.4	89.4
13			8"	1C	7.2	114.2	94.2
14			8"	1C	7.4	112.4	92.7
15			8"	1C	7.8	112.4	92.8
16			8"	1C	8.3	111.5	92.0

REMARKS:

COPY TO:

PREPARED BY: [signature]

DATE: 6/23/10

Appendix Q

Deed Restriction and Proof of Filing

Dutchess County Clerk

22 Market Street
Poughkeepsie, N.Y. 12601
(845) 486-2134

Batch#	User
C 89	ksw

Receipt #	Date	Time
41836	08/18/2011	9:17:00 AM

Received From: CHICAGO TITLE AND TRUST CO
Fee Total: $75.00

Document	Account		Amount	Comment	Pages
02 Deed # 3725					
	010	Record Deeds	55.00	DEC	7
	030	Affidavit	0.00		1
	070	Records Mgmt - Local Fee	1.00		1
	504	Records Mgmt - State Fee	4.75		1
	511	Cultural Ed - State Fee	14.25		1
	030	Reference	0.00		1

Tax District: 14 Town of Poughkeepsie

Grantor HUDSON HERITAGE DEVELOPMENT LLC
Grantee HUDSON HERITAGE DEVELOPMENT LLC

Dutchess County Clerk Recording Page

Record & Return To :

CHICAGO TITLE & TRUST CO
19 WEST MAIN ST
Rochester, NY 14614-1501

Date Recorded : 08/18/2011
Time Recorded : 9:17:00

Document # : 02 2011 3725

Received From : CHICAGO TITLE AND TRUST CO

Grantor : HUDSON HERITAGE DEVELOPMENT LLC

Grantee : HUDSON HERITAGE DEVELOPMENT LLC

Recorded In : Deed
Instrument Type : DEC

Tax District : Town of Poughkeepsie

Examined and Charged As Follows :

Recording Charge : $75.00

Number of Pages : 7

Transfer Tax Amount :

Transfer Tax Number :

Red Hook Transfer Tax :

E & A Form: N

TP-584 : N

*** Do Not Detach This Page
*** This Is Not A Bill

County Clerk By : ksw / _____
Receipt # : R41836
Batch Record : C89

Bradford Kendall
County Clerk

0220113725

1/P 7p. 75

DECLARATION of COVENANTS and RESTRICTIONS

THIS COVENANT is made the 23rd day of March, 2011, by Hudson Heritage Development, LLC, a limited liability company organized and existing under the laws of the State of New York, having an office for the transaction of business at c/o CPC Resources, Inc., 28 E. 28th Street, New York, N.Y.10016.

WHEREAS, the Hudson River Psychiatric Center Site is the subject of a Voluntary Cleanup Agreement executed by Hudson Heritage CPCR Ventures, LLC as part of the New York State Department of Environmental Conservation's (the "Department's") Voluntary Cleanup Program, namely a portion of that parcel of real property located on 373 North Road in the Town of Poughkeepsie, County of Dutchess, State of New York, which is part of lands conveyed by New York State Urban Development Corporation D/B/A Empire State Development Corporation, a New York Public Benefit Corporation, to Hudson Heritage Development, LLC by deed dated March 15, 2005 and recorded in the Dutchess County Clerk's Office as Document #02-2005-2290, and being more particularly described in Appendix "A," attached to this declaration and made a part hereof, and hereinafter referred to as "the Property"; and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Property and such remedy requires that the Property be subject to restrictive covenants.

NOW, THEREFORE, Hudson Heritage Development, LLC, for itself and its successors and/or assigns, covenants that:

First, the Property subject to the Declaration of Covenants and Restrictions is as shown on a map attached to this declaration as Appendix "B" and made a part hereof.

Second, unless prior written 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, where contamination remains at the Property subject to the provisions of the Site Management Plan ("SMP"), there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results in unacceptable human exposure to contaminated soils.

Third, the owner of the Property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for the remedy, which are described in the SMP, unless in each instance the owner first obtains a written waiver of such prohibition from the Department or Relevant Agency.

Fourth, the owner of the Property shall prohibit the Property from ever being used for purposes other than for Commercial or Industrial use, as defined in 6 NYCRR 375-1.8(g)(2)(iii)

and 6 NYCRR 375-1.8(g)(2)(iv) respectively, excluding day care, child care or medical care uses, without the express written waiver of such prohibition by the Relevant Agency.

Fifth, the owner of the Property shall prohibit the use of the groundwater underlying the Property 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.

Sixth, the owner of the Property shall provide a periodic certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired.

Seventh, the owner of the Property shall continue in full force and effect any institutional and engineering controls required for the remedy and maintain such controls, unless the owner first obtains permission to discontinue such controls from the Department or Relevant Agency, in compliance with the approved SMP, which is incorporated and made enforceable hereto, subject to modifications as approved by the Department or Relevant Agency.

Eighth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner and its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that the Voluntary Cleanup Agreement requires to be recorded, and hereby covenant not to contest the authority of the Relevant Agency to seek enforcement.

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

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

Hudson Heritage Development, LLC

By: Richard A. Kumro
Its: Vice President

STATE OF NEW YORK)

) ss:

COUNTY OF NEW YORK)

On the 23rd day of March, in the year 2011, before me, the undersigned, personally appeared Richard A. Kumro, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Claudia A. Gilchriest
Notary Public State of New York

CLAUDIA A. GILCHRIEST
Notary Public, State of New York
No. 01GI6126232
Qualified in Kings County
Commission Expires May 2, 2013

Appendix A

Ausfeld & Waldruff Land Surveyors LLP
514 State Street, Schenectady, New York 12305
Phone: (518) 346-1595 Fax: (518) 770-1655
www.awlsllp.com

LEGAL DESCRIPTION

Deed Restriction Parcel
Hudson Heritage Development
Containing 2.29 Acres
Area 6 Landfill

All that piece or parcel of land situate in the Town of Poughkeepsie, County of Dutchess and the State of New York, bounded and described as follows:

Beginning at a point located along the division line between the lands now or formerly of Dutchess County (Book 2006, Page 6617) on the east and the lands now or formerly of Hudson Heritage Development, LLC (Book 2005, Page 2290) on the west, said point being located North 06°20'10" East, 33.28 feet from the intersection formed by said division line with the northeast corner of the lands now or formerly of Inland Western Poughkeepsie Mid-Hudson (Book 2005, Page 7213); thence from said point of beginning and through the aforesaid lands of Hudson Heritage Development, LLC the following ten courses: 1) North 89°10'16" West, 21.93 feet to a point; 2) North 22°25'09" West, 11.62 feet to a point; 3) North 77°49'27" West, 20.94 feet to a point; 4) South 77°51'28" West, 16.41 feet to a point; 5) South 33°56'31" West, 16.18 feet to a point; 6) South 59°56'01" West, 52.61 feet to a point;7) South 72°24'19" West, 39.08 feet to a point: 8) South 86°27'34" West, 57.49 feet to a point; 9) South 75°36'54" West, 64.11 feet to a point; 10) South 62°26'21" West, 47.01 feet to a point located along the division line between the aforesaid lands of Hudson Heritage Development, LLC on the north and the aforesaid lands of Inland Western Poughkeepsie Mid-Hudson, LLC on the south; thence in a westerly direction and along said division line, South 81°18'31" West, 121.39 feet to a point; thence through the aforesaid lands of Hudson Heritage Development, LLC, the following sixteen courses: 1) North 29°30'41" West, 13.86 feet to a point; 2) North 20°06'10" West, 8.67 feet to a point; 3) N14°41'46" West, 16.02 feet to a point; 4) North 06°51'40" West, 21.58 feet to a point; 5) North 13°44'11" West, 45.85 feet to a point; 6) North 68°23'33" East, 63.66 feet to a point; 7) North 78°19'40" East, 59.16 feet to a point; 8) North 65°33'37" East, 55.90 feet to a point; 9) North 52°41'08" East, 56.77 feet to a point; 10) North 42°52'21" East, 79.21 feet to a point; 11) North 40°16'02" East, 78.12 feet to a point; 12) North 39°15'01" East, 87.92 feet to a point; 13) North 61°00'40" East, 53.74 feet to a point; 14) North 41°49'00" East, 77.16 feet to a point; 15) North 51°32'58" East, 28.82 feet to a point and 16) North 57°08'22" East, 40.09 feet to a point; thence in a southerly direction and along the first mentioned division line, the following four course: 1) South 11°06'53" West, 30.62 feet to a point; 2) South

09°24'40" West, 184.58 feet to a point; 3) South 08°42'36" West, 173.98 feet to a point and 4) South 06°20'10" West, 20.46 feet to the point or place of beginning.

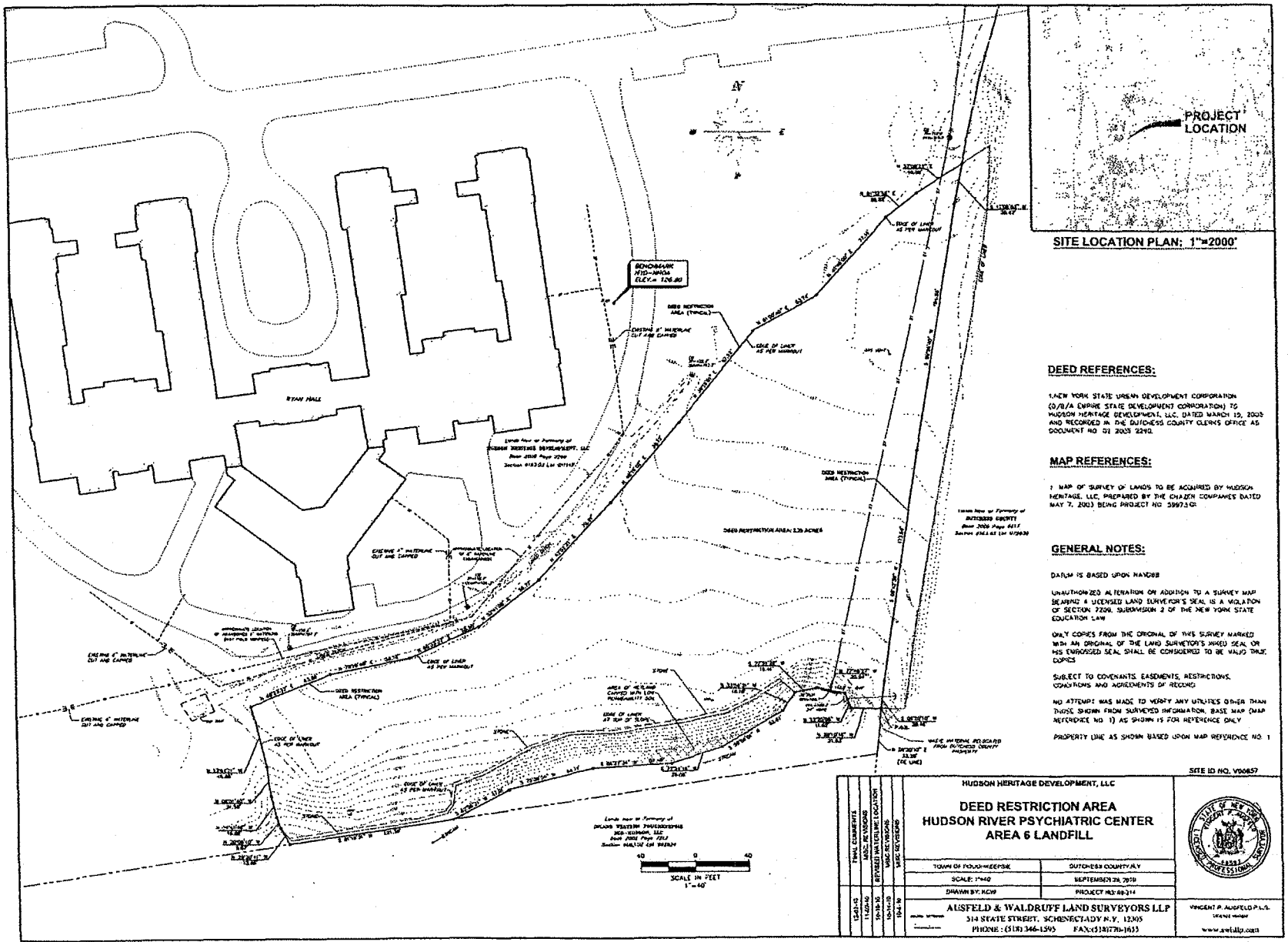
Containing in all 2.29 acres of land being more or less

September 29, 2010
Revised 12-21-10

Vincent P. Ausfeld P.L.S.

Z:\PROJECTS\2008\08-214\deed restriction LD 2.29 ac.doc

Appendix B


PROJECT LOCATION
SITE LOCATION PLAN: 1"=2000'
RYAN HALL
BENCHMARK
DEED RESTRICTION AREA (TYPICAL)
DEED RESTRICTION AREA: 3.26 ACRES
EXISTING 4" INTERLOCK CUT AND CAPPED
EDGE OF LINER AS PER MARKOUT
SCALE IN FEET
1" = 40'
DEED REFERENCES:
1.NEW YORK STATE URBAN DEVELOPMENT CORPORATION (D/B/A EMPIRE STATE DEVELOPMENT CORPORATION) TO HUDSON HERITAGE DEVELOPMENT, LLC. DATED MARCH 19, 2003 AND RECORDED IN THE DUTCHESS COUNTY CLERKS OFFICE AS DOCUMENT NO 01 2003 2240.
MAP REFERENCES:
1 MAP OF SURVEY OF LANDS TO BE ACQUIRED BY HUDSON HERITAGE, LLC, PREPARED BY THE CHAZEN COMPANIES DATED MAY 7, 2003 BEING PROJECT NO 59973.01
GENERAL NOTES:
DATUM IS BASED UPON NAVD88
UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW
ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES
SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD
NO ATTEMPT WAS MADE TO VERIFY ANY UTILITIES OTHER THAN THOSE SHOWN FROM SURVEYED INFORMATION. BASE MAP (MAP REFERENCE NO 1) AS SHOWN IS FOR REFERENCE ONLY
PROPERTY LINE AS SHOWN BASED UPON MAP REFERENCE NO. 1
SITE ID NO. V00657
HUDSON HERITAGE DEVELOPMENT, LLC
DEED RESTRICTION AREA
HUDSON RIVER PSYCHIATRIC CENTER
AREA 6 LANDFILL
TOWN OF POUGHKEEPSIE
DUTCHESS COUNTY, NY
SCALE: 1"=40'
SEPTEMBER 29, 2010
DRAWN BY: KCW
PROJECT NO: 09-314
AUSFELD & WALDRUFF LAND SURVEYORS LLP
314 STATE STREET, SCHENECTADY N.Y. 12305
PHONE: (518) 346-1595 FAX: (518) 370-1633
VINCENT P. AUSFELD P.L.S.
www.awlslp.com
FINAL COMMENTS
MISC. REVISIONS
REVISED WATERLINE LOCATION
MISC REVISIONS
MISC REVISIONS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Environmental Site Remediation Database Search Details

Site Record

Administrative Information

Site Name: Hudson River Psych. Center (HRPC)
Site Code: 314063
Program: State Superfund Program
Classification: C
EPA ID Number:

Location

DEC Region: 3
Address: North Road
City: Poughkeepsie Zip: 12601
County:DUTCHESS
Latitude: 41.728084926
Longitude: -73.928371438
Site Type: LANDFILL
Estimated Size: 2.000 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Hudson River Psychiatric Center
Current Owner(s) Address: Branch B / 373 North Road
Poughkeepsie,NY, 12601
Current Owner Name: NYS - HUDSON RIVER STATE HOSPITAL
Current Owner(s) Address: BRANCH B, 373 NORTH ROAD
POUGHKEEPSIE,NY, 126011197
Owner(s) during disposal: NYS - HUDSON RIVER STATE HOSPITAL
Current On-Site Operator: Hudson River Psychiatric Hospital
Stated Operator(s) Address: Branch B, 373 North Road
Poughkeepsie,NY 12601
Current On-Site Operator: NYS - HUDSON RIVER STATE HOSPITAL
Stated Operator(s) Address:
POUGHKEEPSIE,NY 12601
Current On-Site Operator: NYS - HUDSON RIVER STATE HOSPITAL
Stated Operator(s) Address: NORTH ROAD
POUGHKEEPSIE,NY 12601
Current On-Site Operator: Town of Poughkeepsie
Stated Operator(s) Address:
POUGHKEEPSIE,NY 12601

Hazardous Waste Disposal Period

From: 1960 **To:** 1980

Site Description

Location Description: The Hudson River Psychiatric Center is a 700 acre complex, portion of which is for sale. The site is located in the southwest area of the facility. Site Features: The site consists of a building (Cheney Building)that housed transformers in a vault room, associated floor drainage system, and the stream into which the system discharged. Current Use: The Cheney Building is still being used as a utility building. Surrounding Uses: To the south of the site are commercial buildings; to the west is the Marist College campus; and to the north and east is the rest of the complex. Historical sources of Contamination: PCB from transformers were released into the floor drain system during their maintenance, removal or replacement. These releases flowed into the drain pipes and then into the stream. Investigations/Actions Completed to date: In 1993, an interim remedial measure (IRM 01) was conducted to remove the existing drain and the contaminated soil, and divert the flow into the the sewer lines. In 1996, the remedial investigation (RI) was completed. Between May 1997 and January 1998, IRM 02 was conducted. PCB contaminated sediment from the stream and its associated wetlands was removed to meet the cleanup goal of 1 ppm. In March 1998: A Record of Decision (ROD)was issued. The ROD required no further action. The site has been delisted from the Registry of Inactive Hazardous Waste Sites. In Spring of 1999, IRM 03 was conducted to remove the PCB-contaminated concrete slab in the vault. A new slab was constructed in its place. February 25, 2008: The NYSDEC has neither received nor sought additional information on this site since it was delisted in Oct 2002. No changes in the Site Descripion in the paragraphs above are planned.

Summary of Project Completion Dates

Projects associated with this site are listed in the Project Completion Dates table and are grouped by Operable Unit (OU). A site can be divided into a number of operable units depending on the complexity of the site and the number of issues associated with a site. Sites are often divided into operable units based on the media to be addressed (such as groundwater or contaminated soil), geographic area, or other factors.

Contaminants of Concern (Including Materials Disposed)

Type of Waste	Quantity of Waste

PCBS (B007 WASTE) UNKNOWN

Site Environmental Assessment

Groundwater SCGs have been exceeded for ammonia, benzene, chlorobenzene, iron, manganese and sodium. Leachate samples contained iron and manganese at levels above surface water standards. Sediments show elevated levels of arsenic.

Site Health Assessment

The PCB contaminated stream and fill area was fenced to prevent patients and staff from contacting contaminated soils and sediment prior to and during remediation. The fence was removed upon completion of remedial activities in the fall of 1997. PCB contaminated soils surrounding the storm drain system were excavated and the contaminated storm drain lines were cleaned or replaced. The PCB source area (Cheney Building's electrical transformer room) was remediated via removal and replacement of the PCB-contaminated floor. Groundwater has not been impacted by this site.

For more Information: E-mail Us

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 0003132

Spill Date/Time

Spill Date: 06/13/2000 **Spill Time:** 12:00:00 PM
Call Received Date: 06/13/2000 **Call Received Time:** 01:00:00 PM

Location

Spill Name: HUD.RIV.PHYSCIATRIC
Address: 373 NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#2 Fuel Oil	UNKNOWN	Soil

Cause: Tank Test Failure
Source: Commercial/Industrial
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 03/20/2002

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 0003195

Spill Date/Time

Spill Date: 06/14/2000 **Spill Time:** 10:45:00 AM
Call Received Date: 06/14/2000 **Call Received Time:** 11:39:00 AM

Location

Spill Name: HUD.RIV.PHYSCIATRIC
Address: 373 NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Gasoline	UNKNOWN	Soil

Cause: Equipment Failure
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 03/20/2002

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 0005022

Spill Date/Time

Spill Date: 07/27/2000 **Spill Time:** 11:30:00 AM
Call Received Date: 07/27/2000 **Call Received Time:** 12:10:00 PM

Location

Spill Name: VEH.:HUD.RIV.PSYCH.CENT
Address: 373 NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Diesel	5.00 Gal.	Soil

Cause: Unknown
Source: Commercial Vehicle
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 07/27/2000

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 0401199

Spill Date/Time

Spill Date: 05/04/2004 **Spill Time:** 03:00:00 PM
Call Received Date: 05/04/2004 **Call Received Time:** 03:41:00 PM

Location

Spill Name: HUD. RIV. PSYC CENT
Address: 373 NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Material not identified	N/A	

Cause: Tank Test Failure
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 02/01/2006

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 1011010

Spill Date/Time

Spill Date: 01/28/2011 **Spill Time:** 03:30:00 PM
Call Received Date: 01/28/2011 **Call Received Time:** 04:29:00 PM

Location

Spill Name: HUDSON HERITAGE DEV.
Address: 3532 NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#6 Fuel Oil	UNKNOWN	Soil

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 08/11/2011

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9010658

Spill Date/Time

Spill Date: 01/05/1991 **Spill Time:** 12:00:00 PM
Call Received Date: 01/05/1991 **Call Received Time:** 01:40:00 PM

Location

Spill Name: HUDSON RIVER PSYCH.CENTER
Address: RT 9
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
ASBESTOS	UNKNOWN	Soil

Cause: Housekeeping
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 02/01/1991

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9206931

Spill Date/Time

Spill Date: 09/16/1992 **Spill Time:** 10:41:00 AM
Call Received Date: 09/16/1992 **Call Received Time:** 10:50:00 AM

Location

Spill Name: HUDSON RIVER PSYCH.CENTER
Address: RT 9
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Gasoline	12.00 Gal.	Soil

Cause: Equipment Failure
Source: Passenger Vehicle
Waterbody:

Record Close

Date Spill Closed: 09/25/1992

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9304675

Spill Date/Time

Spill Date: 07/14/1993 **Spill Time:** 10:25:00 AM
Call Received Date: 07/14/1993 **Call Received Time:** 11:26:00 AM

Location

Spill Name: HUD.RIV.PHY.ROSS: 3 X 25K USTS
Address: HILLTOP ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#6 Fuel Oil	UNKNOWN	Soil

Cause: Equipment Failure
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 04/01/2008

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.
Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9304993

Spill Date/Time

Spill Date: 06/14/1993 **Spill Time:** 02:14:00 PM
Call Received Date: 07/21/1993 **Call Received Time:** 02:55:00 PM

Location

Spill Name: HUDSON RIVER PYSCH.CEN.
Address: NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
#6 Fuel Oil	UNKNOWN	Soil

Cause: Tank Failure
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 07/28/1993

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9707019

Spill Date/Time

Spill Date: 09/12/1997 **Spill Time:** 11:00:00 AM
Call Received Date: 09/12/1997 **Call Received Time:** 12:57:00 PM

Location

Spill Name: HUDSON RIVER PSYCH. CTR.
Address: RT 9
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Diesel	UNKNOWN	Soil

Cause: Tank Overfill
Source: Institutional, Educational, Gov., Other
Waterbody:

Record Close

Date Spill Closed: 11/19/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9710105

Spill Date/Time

Spill Date: 12/02/1997 **Spill Time:** 01:15:00 PM
Call Received Date: 12/02/1997 **Call Received Time:** 03:19:00 PM

Location

Spill Name: HUD.RIV.PSYCH.CENT.
Address: 373 NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Gasoline	UNKNOWN	Soil

Cause: Tank Overfill
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 04/29/1998

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 3
Spill Number: 9910912

Spill Date/Time

Spill Date: 12/14/1999 **Spill Time:** 11:50:00 AM
Call Received Date: 12/14/1999 **Call Received Time:** 12:09:00 PM

Location

Spill Name: HUD.RIV.PSY.CEN.
Address: 373 NORTH ROAD
City: POUGHKEEPSIE **County:** DUTCHESS

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Diesel	15.00 Gal.	Soil

Cause: Human Error
Source: Institutional, Educational, Gov., Other
Waterbody:
PBS #: 3-104914

Record Close

Date Spill Closed: 08/18/2000

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Back to Search Results

Refine Current Search

Master List of Properties – Hudson River State Hospital/Hudson River Psychiatric Center (Compiled 12/9/2012 By AF)

SD # 12SD00541
USN # 02714.000403

References: 1) **[DOE #1 – D01]** Memo from Bob Kuhn to Ray Smith, October 30, 1990 RE: National Register Evaluation for Hudson River State Hospital [defines 1 historic district and includes building lists and map]; 2) **[DOE #2 – D02]** Memo from Bob Kuhn to Larry Gobrecht, January 7, 1991 RE: National Register evaluation for Hudson River State Hospital (similar to first memo, but defines two historic districts; includes map showing district boundaries, but no building lists]; 3) Blue forms for selected buildings as noted below; 4) building data sheets from what appears to be a report that has been disassembled (many missing pages, probably corresponding to building numbers below w/o a building sheet); 5) 1981 Revised Hudson River Psychiatric Center Building Index & Road Map (index is handwritten table; accompanying map is also hand-drawn and labeled). 6) Key Plot Plan Hudson River State Hospital, n.d. (Office of Mental Health); 7) OPRHP FSB SPHINX System.

USN	Bldg #	Function (Yellow Form/OMH)	Date	Contributing/ Non-Contributing	Photo Source (BF = Blue Form)	Other (Notes from DOE, HD documentation – original use, etc.)
02714.000403				District (Contributing)		No yellow district form; assigned this number as "parent" USN as with previous mental health facilities that have yellow district forms.
02714.000364	??	Navy Crewhouse	n.d.	Individually Listed		**This property was in SPHINX as part of the Hudson River State Hospital, but does not appear as such on any building lists and no other information was found.**
DEMOLISHED?	1-2	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank space for #1 on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map; no bldg # only a space for bldg #2 and former use is smudged out and illegible.
DEMOLISHED?	3	Cottage #9 SOLD	---	---	None	**SOLD**. Not on DOE building list; not on key plot plan. 1981 Revised Hudson River Psychiatric Center Building Index & Road Map indicates it was sold.
02714.000402	4	Hillcrest	1932	District (Contributing)	See bldg sheet.	
DEMOLISHED?	5	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000090	6	Valve House	1867	District (Contributing)	BF	
DEMOLISHED?	7-8	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list. Notations on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map is smudged out and illegible.
02714.000091	9	Carpenter Shop Store	1893	District (Contributing)	BF	
02714.000404	10	Pilgrim Home/Staff Residence	1932	District (Contributing	See bldg sheet.	
02714.000333	11	Boucher Home/Married Employees Housing/Staff	1932	District (Contributing)	See bldg sheet.	

		Residence				
02714.000334	12	Staff House 4/Five Family Staff House	1932	District (Contributing)	See bldg sheet.	
02714.000405	13	Ryon Hall [W. Wing]/Cont'd Treatment Bldg	1932	District (Contributing)	See bldg sheet.	
02714.000406	14	Ryon Hall [E. Wing]/Cont'd Treatment Bldg	1932	District (Contributing)	See bldg sheet.	
02714.000407	15	Ryon Hall [Center]/Kitchen/Dining	1932	District (Contributing)	See bldg sheet.	
02714.000093	16	Hose Cart House	1889	District (Contributing)	BF	
DEMOLISHED ?	17	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list. Notation on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map is smudged out and illegible.
02714.000408	18	Staff Garage	1934	District (Contributing)	See bldg sheet.	
DEMOLISHED?	19	Unknown – see note at far right.			None.	**DEMOLISHED?** Not on DOE building list. Notation on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map is smudged out and illegible.
02714.000409	20	Shed	1945	District (Non-Contributing)	See bldg sheet.	
02714.000094	21	Paint Shop/Old Power House	1894	District (Contributing)	BF	
02714.000410	22	Shed	1945	District (Contributing)	See bldg sheet.	
02714.000411	23	Staff House 11	1945	District (Contributing)	None	On DOE building list.
Same USN as Bldg 134 - 02714.000097	24	Stengel – see Bldg 134`	1910	District (Contributing)	None	Not on DOE building list but appears on key plot plan. See BF which indicates this has become 134 Cedar Crest.
02714.000346	25	Pavilion	1920	District (Contributing)	None	On DOE building list.
DEMOLISHED?	26	Unknown – see note at far right.	---	---	---	**DEMOLISHED?** Not on DOE building list; no BF or building sheet. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000347	27	Garage	1918	District (Contributing)	None.-	On DOE building list.
02714.000098	28	Catholic Chapel	1906	District (Contributing)	BF	
02714.000335	29	Staff House No. 13	1904	District (Contributing)	See bldg sheet.	
02714.000412	30	Garage/Storage Bldg	1950	District (Non-Contributing)	See bldg sheet.	
DEMOLISHED?	31	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
DEMOLISHED?	32	Garage	1911	---	See bldg sheet.	**DEMOLISHED?** There is a building sheet but this bldg is not on DOE building list or key plot plan. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000336	33	Powerhouse & Machine Shop	1929	District (Contributing)	See bldg sheet.	
DEMOLISHED?	34	Unknown – see note at far	---	---	None	**DEMOLISHED?** Not on DOE building list.

		right.				Notation on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map is smudged out and illegible.
02714.000337	35	Protestant Chapel	1925	District (Contributing)	See bldg sheet.	
02714.000413	36	Storage	1942	District (Non-Contributing)	See bldg sheet.	
02714.000338	37	Electrical Shop & Storage	1935	District (Contributing)	See bldg sheet.	
02714.000101	38	Amusement Hall	1905	District (Contributing)	BF	
DEMOLISHED?	39	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000102	40	Plant Facility	1900	District (Contributing)	BF	
02714.000103	41	Firehouse	1903	District (Contributing)	BF	
02714.000104	42	Garage	1906	District (Contributing)	BF	
02714.000105	43	Carpenter/Plumber Shop/Gas House	1870	District (Contributing)	BF	
02714.000414	44	Outside Pavilion	1920	District (Contributing)	None	On DOE building list.
02714.000106	45	Mortuary	1896	District (Contributing)	BF	
02714.000415	46	Outside Pavilion	1920	District (Contributing)	None	On DOE building list.
02714.000107	47	Staff House 21	1900	District (Non-Contributing)	BF	
02714.000416	48	Staff House 23/Tenant House	1900	District (Non-Contributing)	See bldg sheet.	
02714.000417	49	Storehouse	1955	District (Contributing)	None	On DOE building list.
02714.000108	50	Laundry & Tailor Shop	1871	District (Contributing)	BF	
02714.000089	51	Administration Bldg – Main	1871	District (Contributing) **NHL**	BF	NHL.
DEMOLISHED?	52-53	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. 52 and 53 are blank spaces on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000418	54	Outside Pavilion	1965	District (Non-Contributing)	None	On DOE building list, but not on key plot plan.
02714.000419	55	Rehabilitation Center	1969	District (Non-Contributing)	None	On DOE building list and key plot plan.
02714.000420	56	Bus Garage	1905	District (Contributing)	See bldg sheet.	
02714.000421	57	Greenhouse	1897	District (Contributing)	See bldg sheet.	
02714.000109	58	Staff Cottage	1897	District (Non-Contributing)	BF	
02714.000110	59	Director's Residence	1904	District (Contributing)	BF	
02714.000422	60	Garage	1906	District (Non-Contributing)	See bldg sheet.	
02714.000339	61	Staff Bldg 10	1867	District (Contributing)	See bldg sheet.	
02714.000423	62	Tool Storehouse	1900	District (Non-Contributing)	See bldg sheet.	
DEMOLISHED?	63	Unknown – see note at far right.	---	---	None.	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000111	64	Storage Building	1867	District (Contributing)	BF	
02714.000424	65	Sand Dry House	1900	Not eligible.	None.	On DOE building list and key plot plan; outside district boundaries.
02714.000356	66	Staff Apartments #2	1929	District (Contributing)	See bldg sheet.	

02714.000340	67	Brookside	1929	District (Contributing)	See bldg sheet.	
02714.000341	68	Staff Apartments #3	1929	District (Contributing)	See bldg sheet.	
02714.000342	69	Avery/Nurses' Home/Admin.	1929	District (Contributing)	See bldg sheet.	
02714.000425	70	Valve House	1910	District (Contributing)	See bldg sheet.	
02714.000426	71	Halfway House	1937	District (Contributing)	None	Not on key plot plan.
02714.000427	72	Reality House	1937	District (Contributing)	None	Not on key plot plan.
02714.000100	73	Library	1910	District (Contributing)	BF	
DEMOLISHED?	74	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Notation on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map is smudged out and illegible.
02714.000428	75	Yacht Club	1937	Not eligible.	See bldg sheet.	See DOE's - Outside district boundaries.
02714.000386	76	Storage	1931	Not eligible.	See bldg sheet.	See DOE's - Outside district boundaries.
02714.000383	77	Chemical Storage	1952	Not eligible.	See bldg sheet.	See DOE's – Outside district boundaries.
02714.000382	78	Wisconsin Boat House	1940	Individually Listed.	See bldg sheet.	See DOE's - Outside district boundaries.
02714.000429	79	Aeration	1953	Not eligible.	None	See DOE's – Outside district boundaries.
DEMOLISHED? Not on DOE list.	80	Chlorine Contact Tank	---	---	None	**DEMOLISHED?** On key plot plan but not on DOE building list. Noted as "Inactive" on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000430	81	Clarifier Building	1932	Not eligible.	None	See DOE's - Outside district boundaries.
02714.000431	82	Pump House	1962	Not eligible.	None	See DOE's - Outside district boundaries.
DEMOLISHED? Not on DOE list.	83	Digester	---	---	None	Not on DOE building list – appears on key plot plan. Noted as "Inactive" on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000432	84	Garage	1937	Not eligible.	None	See DOE's - Outside district boundaries.
02714.000433	85	Tool Shed/Storage	1937	District (Non-Contributing)	See bldg sheet.	
02714.000343	86	Staff House # 19	1926	District (Contributing)	See bldg sheet.	
02714.000434	87	Garage	1926	District (Non-Contributing)	See bldg sheet.	
02714.000435	88	Storage	1937	District (Non-Contributing)	See bldg sheet.	
02714.000436	89	Greenhouse	1940	District (Non-Contributing)	See bldg sheet.	
02714.000437	90	Golf Club	1941	District (Contributing)	See bldg sheet.	
02714.000438	91	Garage	1900	District (Non-Contributing)	None	
DEMOLISHED?	92-93	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. 92 and 93 are blank spaces on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000439	94	Pavilion	1941	District (Non-Contributing)	None	On DOE bldg list but not on key plot plan.
DEMOLISHED?	95	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
DEMOLISHED?	96	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list but it DOES appear on key plot plan. Blank space on 1981

						Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000440	97	Garage	1910	District (Non-Contributing)	See bldg sheet.	
02714.000441	98	Cheney Building	1952	District (Non-Contributing)	None	
02714.000442	99	Auto Repair Shop	1930	District (Non-Contributing)	See bldg sheet.	
02714.000443	100	Gas Meter House	1955	District (Contributing)	See bldg sheet.	
DEMOLISHED?	101-102	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000384	103	Pump House	1953	Not eligible.	See bldg sheet.	See DOE's - Outside district boundaries.
02714.000385	104	Rapid Filter Building	1953	Not eligible.	See bldg sheet.	See DOE's - Outside district boundaries.
DEMOLISHED?	105-106	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000445	107	Valve House	1860	Not eligible.	None	Not on key plot plan.
02714.000444	108	Garage	1938	District (Non-Contributing)	See bldg sheet.	
02714.000446	109	Tool Shed	1957	District (Non-Contributing)	None	
02714.000344	110	Storage Building	1922	District (Contributing)	See bldg sheet.	
DEMOLISHED?	111-112	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000447	113	Staff Building 16	1966	District (Contributing)	None	Outside district boundaries.
02714.000448	114	Staff Building 17	1966	District (Contributing)	None	Outside district boundaries.
DEMOLISHED?	115-120	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. All blank on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000449	121	Garage	1950	District (Non-Contributing)	See bldg sheet.	
02714.000092	122	Staff Building 14	1900	District (Non-Contributing)	BF	
02714.000450	123	Garage	1927	District (Non-Contributing)	See bldg sheet.	
DEMOLISHED?	124	Water Tank	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. 1981 Revised Hudson River Psychiatric Center Building Index & Road Map indicates it was a water tank.
DEMOLISHED?	125	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000451	126	Garage	1925	District (Non-Contributing)	None	
DEMOLISHED?	127-131	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. Blank on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.

02714.000095	132	Staff Building 25	1912	District (Non-Contributing)	BF	
02714.000096	133	Cottage 2	1929	District (Contributing)	BF	
USN same as #24 02714.000097	134	Cedar Crest	1910	District (Non-Contributing)	BF	Blue form says it was bldg 24 – Stengel; see above.
02714.000452	135	Staff Building 12	1910	District (Non-Contributing)	See bldg sheet.	
02714.000453	136	Staff Garage	1947	District (Non-Contributing)	See bldg sheet.	
DEMOLISHED?	137	Seed & Tool House	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. 1981 Revised Hudson River Psychiatric Center Building Index & Road Map indicates it was a seed and tool house.
02714.000454	138	Garage	1947	District (Non-Contributing)	See bldg sheet.	
02714.000099	139	Staff Building 15/Bldg 29-Gardner's Cottage (now #139) See note at far right.	1870	Not eligible.	BF	On DOE bldg list this bldg is called "Staff Building #15"; on corresponding blue form it's labeled "Gardner's Cottage Building 29 (now #139)"; not on key plot plan.
DEMOLISHED?	140	Water Tank	---	---	None	**DEMOLISHED?** Not on DOE building list; not on key plot plan. 1981 Revised Hudson River Psychiatric Center Building Index & Road Map is smudged out and illegible indicates it was/is a water tower.
02714.000455	141	Cleveland Home	1921	District (Contributing)	See bldg sheet.	
02714.000456	142	Ross Building	1955	District (Contributing)	None	
DEMOLISHED?	143-144	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; no BF or building sheet; not on key plot plan. On 1981 Revised Hudson River Psychiatric Center Building Index & Road Map #143 is smudged out and illegible; it indicates #144 was/is a water tank..
02714.000457	145	Garage	1945	District (Non-Contributing)	See bldg sheet.	
RESERVOIR	146	Reservoir	---	---	None	Not on DOE building list; not on key plot plan. 1981 Revised Hudson River Psychiatric Center Building Index & Road indicates it was/is a reservoir.
02714.000458	147	Staff Building 5	1954	District (Non-Contributing)	None	
02714.000459	148	Staff Building 6	1954	District (Non-Contributing)	None	
02714.000460	149	Staff Building 7	1954	District (Non-Contributing)	None	
02714.000461	150	Staff Building 8	1954	District (Non-Contributing)	None	
02714.000462	151	Staff Building 9	1954	District (Non-Contributing)	None	
02714.000463	152	Greenhouse	1867	District (Contributing)	See bldg sheet.	
02714.000464	153	Garage	1960	District (Non-Contributing)	See bldg sheet.	
02714.000465	154	Tool Shed	1937	District (Non-Contributing)	See bldg sheet.	
02714.000466	155	Garage	1960	District (Non-Contributing)	See bldg sheet.	
02714.000467	156	Meter House	1958	Not eligible.	None	On DOE bldg list. Not on key plot plan.
02714.000468	157	Sludge Bed 1	1937	Not eligible.	None	Outside district boundaries.
02714.000469	158	Sludge Bed 2	1932	Not eligible.	None	Outside district boundaries.
02714.000470	159	Valve House	1913	Not eligible.	See bldg sheet.	Shown on key plot plan but outside district boundaries.

02714.000471	160	Filter Pure Water Reservoir	---	N/A	None	**DEMOLISHED?** Not on DOE bldg list; shown on key plot plan outside district boundaries.
02714.000472	161	Storage Building	1927	Not eligible.	See bldg sheet.	Shown on key plot plan but outside district boundaries.
02714.000473	162	Boat House	---	Not eligible.	None	Not on DOE bldg list. Shown on key plot plan outside district boundaries. Notation on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map indicates this is a boat house.
DEMOLISHED?	163	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list; appears outside district boundaries on key plot plan. Notation on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map is smudged out and illegible.
02714.000474	164	Garage	1901	District (Contributing)	See bldg sheet.	Shown on key plot plan outside district boundaries.
DEMOLISHED?	165	Unknown – see note at far right.	---	---	None.	**DEMOLISHED?** Not on DOE building list. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000345	166	Refreshment Stand	1932	District (Contributing)	See bldg sheet.	
DEMOLISHED?	167-168	Unknown – See note at far right.	---	---	None	**DEMOLISHED.** Not on DOE building list; not on key plot plan. Blank spaces on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000475	169	Garage	1920	District (Non-Contributing)	See bldg sheet.	
02714.000476	170	Tool House	1927	District (Non-Contributing)	See bldg sheet.	
02714.000477	171	Sand Shed	1962	District (Non-Contributing)	None	
02714.000478	172	Grounds Department Office	1962	District (Non-Contributing)	See bldg sheet.	
02714.000479	173	Storage Shed	1962	District (Non-Contributing)	See bldg sheet.	
DEMOLISHED?	174	Unknown – see note at far right.	---	---	None	**DEMOLISHED?** Not on DOE building list. Blank space on 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
02714.000480	175	Storage Building	1950	District (Non-Contributing)	See bldg sheet.	
AFTER #175 NUMBERING JUMPS TO 900s – but there is no record of these bldgs or bldg numbers in any other documentation within SHPO files.						
N/A	993	Garage	1927	Not eligible.	None	On DOE bldg list but no bldg sheet; not on key plot plan; not included in 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
N/A	994	One Car Garage	1927	Not eligible.	None	On DOE bldg list but no bldg sheet; not on key plot plan; not included in 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
N/A	995	Storage	1900	Not eligible.	None	On DOE bldg list but no bldg sheet; not on key plot plan; not included in 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
N/A	996	Storage Building	1950	Not eligible.	None	On DOE bldg list but no bldg sheet; not on key plot plan; not included in 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.

N/A	997	One Car Garage	1905	Not eligible.	None	On DOE bldg list but no bldg sheet; not on key plot plan; not included in 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.
N/A	998	Boat House	1907	Not eligible.	None	On DOE bldg list but no bldg sheet; not on key plot plan; not included in 1981 Revised Hudson River Psychiatric Center Building Index & Road Map.

New York State
Office of Mental Health

Sharon E. Carpinello RN, Ph.D.
Commissioner

Edward J. Killeen
Director

Administrative Support Services Group
Capital District Psychiatric Center - Unit Q & R
75 New Scotland Avenue, Albany, New York 12208

March 8, 2005

Mr. Richard Chazen
Hudson Heritage Development, LLC
c/o The Chazen Companies
21 Fox Street
Poughkeepsie, NY 12601

Re: Hudson River P. C.
Landfill Area 1 Reclamation

Dear Mr. Chazen:

As requested, this is to provide you the status of the landfill reclamation work for Landfill Area 1. Per the DASNY Notification of Construction Completion: " Physical work required as per contract documents completed - site restoration activities including silt fence, hay bale removal and re-seeding are to be completed May/ June 2005."

In addition, EA Engineering will complete the post reclamation sampling required under the reclamation work plan, and additional sampling requested by NYSDEC. It is anticipated that this will also be completed in May/June 2005.

If I can be of any further assistance, please let me know.

Sincerely,

A. Scott Bard
Project Manager
Bureau of Capital Operations

ASB
cc: E. Killeen
D. Kelly
M. Ganz
R. Buckey
J. Carroll
S. Albamont
K. Nicholson
file

☐ Bureau of Capital Operations – Unit Q
(518) 473-5815 Fax: (518) 473-7128

☐ Bureau of Nutrition Services – Unit R
(518) 473-8341 Fax: (518) 474-4126

☐ Bureau of Environmental Design and Improvement – Unit R
(518) 473-6562 Fax: (518) 474-4126

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

recycled paper

OMH 26.97b (8-03)

Certification

It is hereby certified that:

(i) Except for (i) site restoration activities, including silt fence and hay bale removal and re-seeding, and (ii) post reclamation sampling required under the reclamation work plan and additional sampling requested by NYSDEC, the State Work has been completed;

(ii) There are no Restrictions recorded against or affecting the Property in connection with the State Work and/or Area #1, and Seller has not consented to the filing or recording of any Restrictions against the Property;

(iii) There are no notices of violations filed or recorded against or with respect to the Property in connection with the State Work which would cost more than $10,000 in the aggregate to cure and discharge of record; and

(iv) There has been no default under the PLL Policy as a result of the actions of Seller or Seller's contractors, subcontractors, suppliers, agents, consultants or employees, or otherwise in connection with the State Work.

The capitalized terms used herein shall have the same meaning as set forth in the Purchase and Sale Agreement dated November 8, 2002 (the "Original P/S Agreement") and that certain Amendment to Purchase and Sale Agreement dated as of July 20, 2004.

Dated 3/15/05

New York State Office
Of Mental Health, by John Carroll

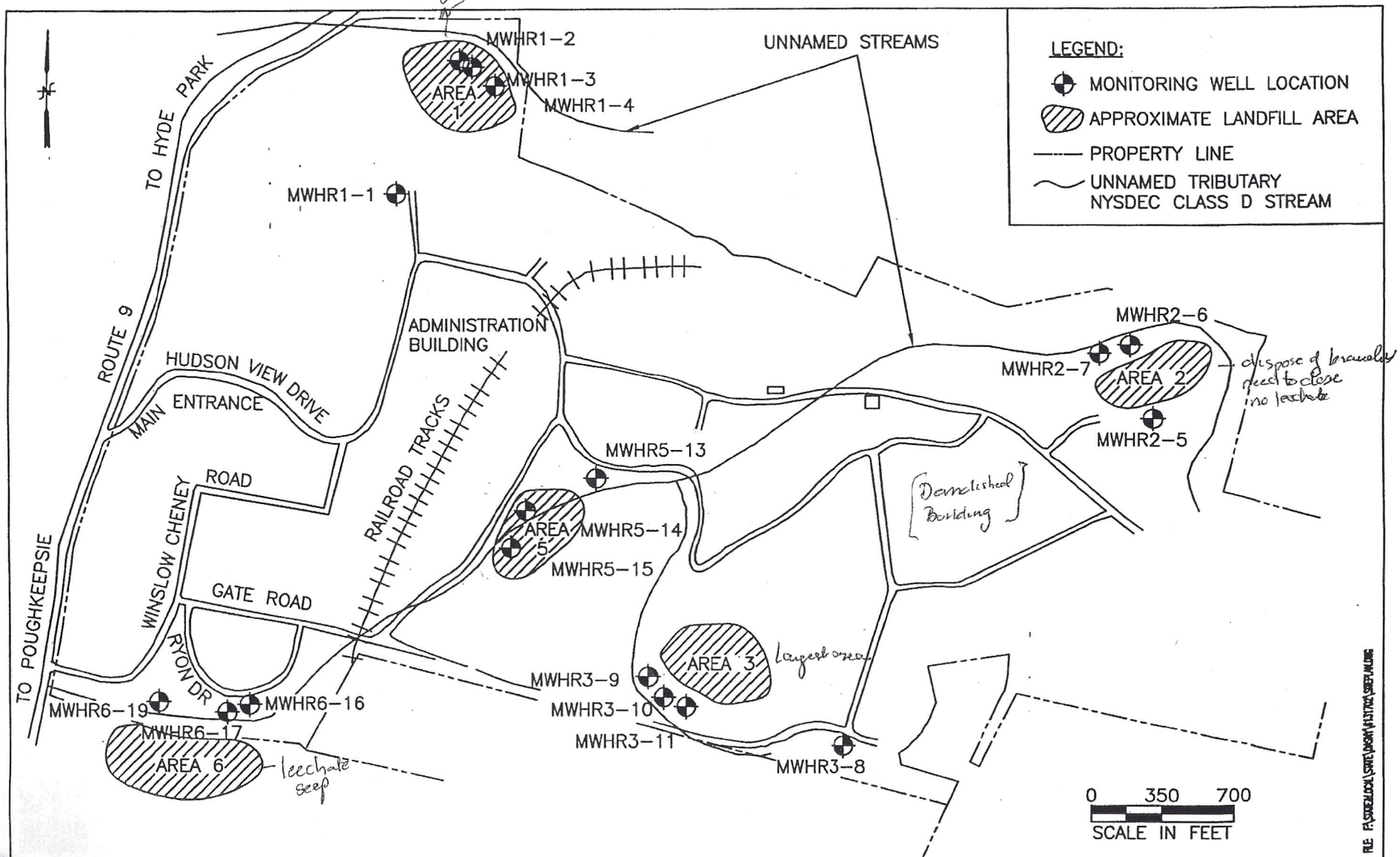
3/15/05

Re: Project 237560999
Hudson River Psychiatric Center

Based on ~~information available as of January 14, 2005 to the Dormitory Authority~~ my knowledge and belief, the value of the remaining work to be performed by A. Servidone, Inc. / B. Anthony Construction Corp. JV on the referenced project, including extra work for site restoration activities, including; selective seeding atf landfill area #1, removal of hay bales and silt fence at area #1 and selective grading at landfill area #1, is approximately $10,000. The amount of money retained against the project is $20,047, or approximately two (2) times the value of the site restoration activities.

Marc Gauz

for DASNY, acting as
agent for the New York
State Office of Mental Health.



EA ENGINEERING, SCIENCE, AND TECHNOLOGY	HUDSON RIVER PSYCHIATRIC CENTER POUGHKEEPSIE, NEW YORK	FIGURE 2 SITE PLAN AND MONITORING WELL LOCATIONS	DESIGNED BY GMC	DRAWN BY BT	DATE 10/8/99	PROJECT NO. 61317.02	FILE NAME FIG. 2
			CHECKED BY GMC	PROJECT MGR. PAC	SCALE AS SHOWN	DRAWING NO.	FIGURE 2

COUPIOUS mpp

DATE: 31 March 1994

FILE No. 659-008,
659-102,
659-103

TO: File

FROM: Sara Handy, LMS Engineers SAH

SUBJECT: Meeting Minutes

A meeting was held on 23 March 1994 at 10:30 am in the Work Control Center at the Hudson River Psychiatric Center (HRPC) to discuss the progress conducted to date and future activities planned to address lead and PCB contamination at the HRPC. In attendance at this meeting were the following:

Ed Maikish	LMS Engineers	(914) 735-8300
Karen Wright	LMS Engineers	(914) 735-8300
Sara Handy	LMS Engineers	(914) 735-8300
Dan Bendell	NYSDEC Region 3	(914) 255-5453
Keith Brown	NYSDEC Region 3	(914) 255-5453
John Olm	NYSDOH	(518) 458-6305
Thomas O'Neill	HRPC Facilities	(914) 452-8000 ext. 694
Scott Bard	OMH Capital Operations	(518) 473-5823
Joe Coffey	HRPC Facilities	(914) 452-8000 ext. 693
Ronald J. Gecsedi	FDC	(518) 474-0405
Jim Moshier	FDC	(914) 452-8000 ext. 790

The meeting began with a discussion of the consent orders for Area 6 and the lead contamination site. Mr. Bard reported that he had received the consent orders from NYSDEC the previous day, and provided copies of them to LMS and FDC at the meeting. Therefore, the consent orders had not yet been reviewed in detail by OMH, FDC, or LMS.

Area 6 RI/FS

LMS presented a summary of the work completed to date to address the PCB contamination in Area 6. An investigation was conducted to determine the source of the PCB contamination, which included investigation of the storm drain line to determine areas/buildings drained by the line, a site walkthrough to identify potential source areas such as former transformer vault rooms, and sampling and analysis of soil, sediment, chip, wipe, and water samples for PCBs. The results of the investigation indicated that the source of the PCB contamination appears to be a past spill or release of PCB-containing fluids in the Cheney Building vault room based on the high levels of PCBs detected in a sediment and a chip sample from the room. The storm drain line was found to contain PCB-contaminated sediments in a manhole near the northwest corner of the Cheney Building downstream of the

vault room, indicating that the storm drain is the likely pathway by which the PCBs reached the stream in Area 6. The vault rooms sampled in other buildings showed only low levels of PCB contamination.

The source investigation also concluded that the fill beneath the picnic pavilion was completed prior to 1950. Since PCBs did not come into wide-spread use until the mid-1950's, it is unlikely that the fill materials are the source of the PCB contamination. LMS collected three soil samples from around the picnic pavilion. These samples showed PCBs at levels well below any applicable cleanup standards. Based on these results, LMS recommended that the existing fence surrounding the picnic pavilion and Area 6 be moved back to allow for use of the picnic pavilion by HRPC patients and staff. The fence should be moved along the edge of the bank leading down to the stream in Area 6 to prevent entry into the stream/outfall area.

Mr. Olm reported that NYSDOH had also conducted soil sampling in areas around the picnic pavilion. The analytical results of these samples showed low levels of several PCB aroclors, in agreement with LMS' data. The NYSDOH concured that the fence may be moved to allow for use of the picnic pavilion, as long as the stream and outfall area continue to be isolated.

LMS then summarized the work still to be completed for Area 6. An IRM will be conducted to address the high levels of PCB contamination in the Cheney Building vault room and the potential sediment contamination in the storm drain line. The IRM will be conducted in two phases. In the first phase, the connection between the Cheney Building vault room and the storm drain line will be confirmed using dye or smoke testing of the drain lines. Additional sediment sampling in the storm drain line will be conducted to determine the extent of PCB contamination in the pipeline. Wipe samples will also be collected from the concrete floor and wall in the vault room to determine the extent of PCB contamination. PCB test kits will be used to provide immediate results on the sediment samples during the IRM investigation. The second phase will include collection of concrete core samples from the floor in the vault room for PCB analyses to determine if PCBs have seeped into the concrete or the soil beneath.

Based on these investigations, LMS will then prepare an IRM workplan to remediate the contamination as necessary to prevent additional migration of contamination to Area 6. Although the floor drain has been plugged in the vault room, the possibility exists for any contaminated sediments present in the storm drain line to be washed into the stream in Area 6. If it is determined that the contamination present in the vault room does not present an immediate threat, remediation of this contamination may be delayed until the remediation of the stream sediments in Area 6 is to be conducted.

LMS will also conduct an RI/FFS for Area 6. Following initiation of the IRM to determine if large quantities of PCB-contaminated sediments are present in the storm drain line, LMS will conduct an RI to delineate the extent of the PCB contamination in the stream. A mobile lab will be brought on-site for analysis of sediment samples to allow for delineation of the

horizontal extent and depth of the PCB contamination in one field effort. LMS will then prepare an FFS in which remedial alternatives for the site will be evaluated and a remedial plan developed.

LMS noted that a cleanup level for PCBs had not yet been set for the site. Mr. Bendell referred to TAGM 4046 which sets cleanup levels; this document should be used to provide a starting point. LMS asked about the Citizen Participation Plan included in the Consent Order. Previously, LMS has attended a meeting with the Hospital Board of Directors, the heads of the unions, etc., and made a presentation with regard to the investigations on-going at the site. NYSDEC stated that a full Citizen Participation Plan would be required, including provision for public meetings (i.e., the public surrounding the HRPC). If LMS has questions regarding development of a plan, Erin O'Dell in Region 3 can provide guidance. NYSDEC stated that they will regard the IRM and RI for Area 6 as one project, and would like the work plans for both to be submitted at the same time, along with the Health and Safety Plan, Citizen Participation Plan, etc.

Concerning the monthly progress reports referenced in the consent order, FDC and OMH asked if monthly reports were really necessary, or if quarterly reports would be sufficient. NYSDEC responded that monthly reports are better for keeping the NYSDEC up-to-date on the work being conducted at the site. The reports need only be 1 to 2 pages summarizing the activities conducted that month and those planned for the upcoming month.

LMS reported that the work plans for the IRM and RI/FFS have been completed. Some additional work to address the plans requested by NYSDEC in the consent order is needed, however, these plans can be completed relatively quickly. Quick approval of these plans would allow for initiation of the field work as soon as possible, which is preferable as conducting the RI in the stream area will be more difficult later in the spring or summer when there is more vegetation. NYSDEC stated that approval of the plans is dependent on the signing of the consent orders between OMH and NYSDEC.

Lead Site

LMS provided a summary of the investigation conducted at the lead site, which included groundwater sampling, construction of test pits, delineation of the old building foundation, analysis of soil and debris samples, and collection of air and fruit samples for lead analyses. Lead was detected in only one of the groundwater samples, at a concentration below the groundwater standard. Lead was detected in soil and debris samples at levels exceeding the TCLP standard for lead of 5 mg/l in various parts of the site. Based on this data, a total estimated quantity of contaminated soils and debris was calculated. Observations from the test pits were used to calculate the relative proportions of contaminated soil and debris. Lead contamination was not detected in air or fruit samples.

LMS then conducted an FS to evaluate potential remedial options for the site. Initially, only remedial alternatives for disposal of the material to be excavated for the new building were

developed as it was assumed that the new building would be constructed in this area. However, based on the possibility that a new building may not be constructed in this area, the FDC requested that LMS determine the extent of site remediation required to address only the lead contamination. A risk assessment was performed to evaluate the risk posed to human health by the lead present at the site. The assessment concluded that there is a slightly increased risk of cancer for children trespassing on the site or adult workers at the site. The results of the risk assessment were used to calculate a cleanup level of 700 ppm for lead based on achievement of increased cancer risks of one in a million or less. The FS then evaluated the no action alternative and alternatives for remediation of the site to 700 ppm in the event that no new building will be constructed in this area.

NYSDEC has received copies of the site assessment and FFS reports, but not the full FS report for the lead site. Mr. Bard provided copies of the FS report to NYSDEC and NYSDOH at the meeting.

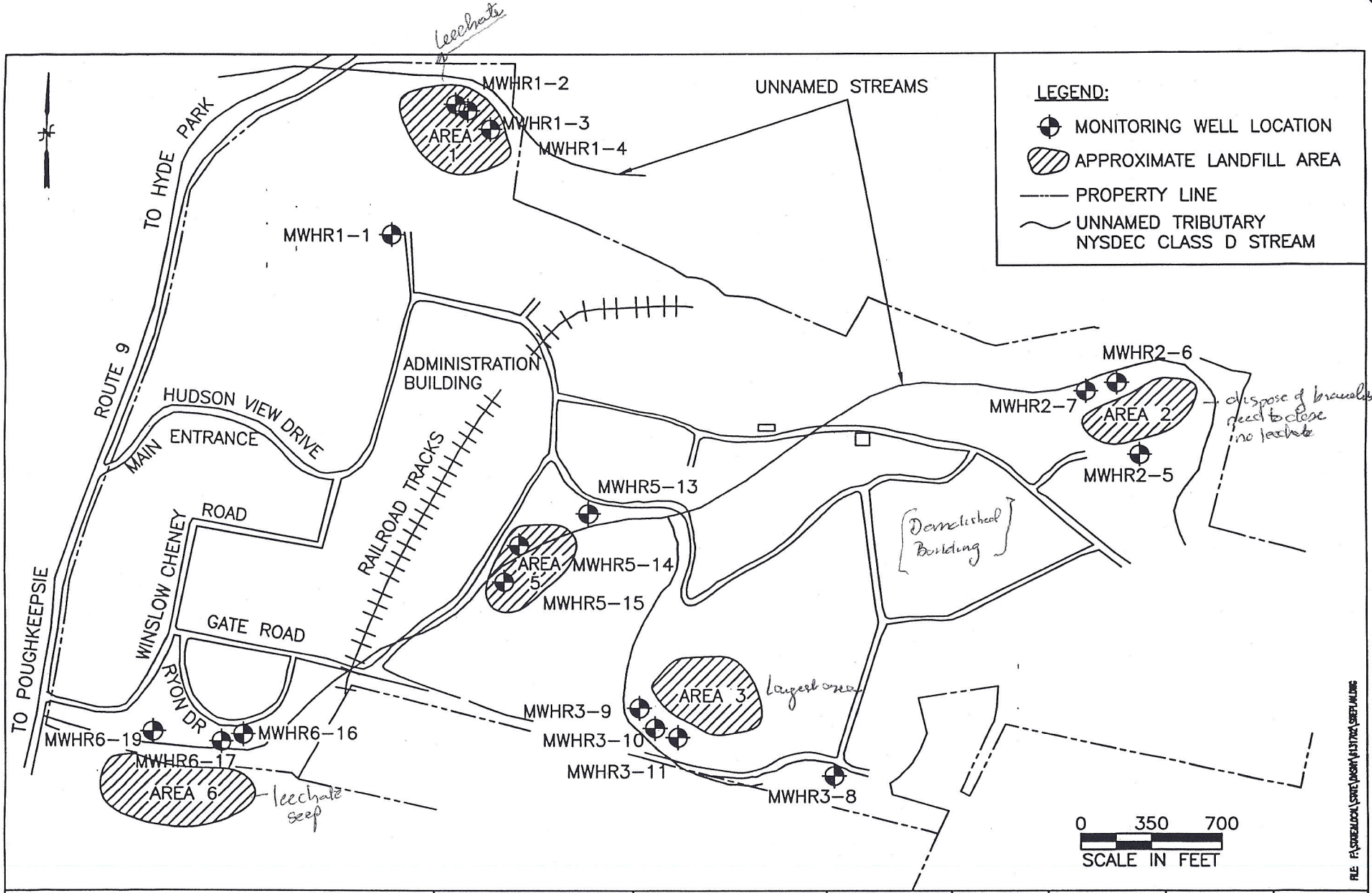
FDC reported that no decision will be made on construction of the new building until September 1994. At that time, it will be decided either to continue with the new building plans, or to wait for another year to decide. In the meantime, OMH/FDC would prefer not to remediate the site. Remediation of the site immediately would involve excavation of contaminated materials, followed by backfilling with clean fill. If the building is eventually constructed in this area, the clean fill would need to be re-excavated. Therefore, if no immediate threat is posed by the lead contamination, it would be more cost-effective to wait until a final decision is reached on the new building before deciding on a remedial option. Mr. Olm discussed the possibility of requiring a temporary cover at the site, pending his observation of the site and review of the data.

The consent order for the lead site states that an IRM is to be conducted at the site, including excavation of contaminated soils, within 10 days of acceptance of the consent order. Mr. Bendell said that the consent order was based on the premise that the new building was to be built immediately and that the soils would then need to be removed anyway. Mr. Bendell said that the consent order will be reworded as NYSDEC agrees that it may be appropriate to delay action at the site. Since this is not a standard hazardous waste site, they are not sure exactly how it should be treated, but they are concerned about the precedent that may be set.

The meeting was concluded at 11:53 am. Following the meeting, all attendees conducted a site visit. The lead site was observed to determine the degree of vegetation and the current state of the site. The transformer vault rooms in the Cheney and Ryon Hall buildings were visited. A cutout in the east wall of the Cheney Building vault room near the ceiling of approximately 2 ft by 3 ft was noted. Flooding was also noted in the Ryon Hall vault room.

cc:

E. Maikish, LMS	K. Brown, NYSDEC	S. Bard, OMH
K. Wright, LMS	J. Olm, NYSDOH	J. Coffey, HRPC
D. Bendell, NYSDEC	T. O'Neill, HRPC	R. Gecsedi, FDC
J. Moshier, FDC		



EA ENGINEERING, SCIENCE, AND TECHNOLOGY	HUDSON RIVER PSYCHIATRIC CENTER POUGHKEEPSIE, NEW YORK	FIGURE 2 SITE PLAN AND MONITORING WELL LOCATIONS	DESIGNED BY GMC	DRAWN BY BT	DATE 10/8/99	PROJECT NO. 61317.02	FILE NAME FIG. 2
			CHECKED BY GMC	PROJECT MGR. PAC	SCALE AS SHOWN	DRAWING NO.	FIGURE 2

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Center for Environmental Health 2 University Place Albany, New York 12203-3399

Mark R. Chassin, M.D., M.P.P., M.P.H.
Commissioner

Paula Wilson
Executive Deputy Commissioner

OFFICE OF PUBLIC HEALTH
Lloyd F. Novick, M.D., M.P.H.
Director

Diana Jones Ritter
Executive Deputy Director

William N. Stasiuk, P.E., Ph.D.
Center Director

CONFIDENTIAL

June 29, 1994

Mr. Earl Barcomb, P.E., Director
Division of Hazardous Waste Remediation
NYS Dept. of Environmental Conservation
50 Wolf Road
Albany, New York 12233

RE: Registry Site Classification Decision
Hudson River Psychiatric Center
New Building
Site ID #314825N
Poughkeepsie/Dutchess County

Dear Mr. Barcomb:

My staff have reviewed the Registry Site Classification Decision package for the above referenced site. According to the package, soils at this site contain leachable levels of lead above 5 parts per million in sufficient quantity to characterize the soil as hazardous. Based on this information, I concur with the proposed Class 3 designation of the site.

It is my understanding that the Office of Mental Health plans to construct a new dormitory building at the site and that the new construction will involve the excavation and removal of the lead contaminated soils. I have been informed that a decision will not be made concerning the start up of construction until September 1994. Because the site is not readily accessible, it currently does not pose a significant health threat. If there is any change in the use of the site prior to the commencement of construction, the site classification must be reviewed.

If you have any questions, please contact me or Mr. Steve Bates, of my staff, at (518) 458-6305.

Sincerely,

G. Anders Carlson

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure Investigation

Dan
7/12

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME	2. SITE NO	3. TOWN/CITY/VILLAGE	4. COUNTY
HRPC, New Building	3145	Poughkeepsie	Dutchess

5. REGION	6. CLASSIFICATION
3	Current Proposed 3 Modify

7. LOCATION OF SITE (Attach U.S.G.S Topographic Map showing site location)
a. Quadrangle Poughkeepsie Quad
b. Site Lattitude 41 44' 01" Longitude 73 55' 09"
c. Tax Map Numbers 6163-03
d. Site street address: Hudson View Drive, Poughkeepsie, Dutchess County

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

The site is located on the Hudson River Psychiatric Center property. The FDC Project Number for the construction of the new building is 55000. Construction of a new dormitory buiding is planned at the location of two former buildings which were torn down. The former buildings may have been painted with lead based paints. These paints are the suspected source of the lead found in the test pits. The site is currently fenced.

The Office of Mental Health plans to construct the new building and has expressed a desire to remediate the site.

a. Area __14__ acres b. EPA ID Number _____

c. Completed ( )Phase I ( )Phase II ( )PSA ( )RI/FS ( )PA/SI (X)Other

9. HAZARDOUS WASTES DISPOSED (Include Part 371 hazardous waste name & number)

D008 Lead

10. ANALYTICAL DATA AVAILABLE
a. (X)Air (X)Groundwater ( )Surface Water (X)Soil ( )Waste ( )EPTox (X)TCLP
b. Contravention of Standards or Guidance Values (Include standard/guidance value)

SOILS: 21 samples of soil were analyzed for TCLP, 19% contained leachable levels above 5 ppm. 39% contained leachable levels between 1 and 5 ppm.

AIR: Nondetect at 0.04 ug/m^3 in 30 samples over 10 days.

GROUNWATER: 5 downgradient wells were installed and tested. 2 water samples from these wells contained lead at levels of 2.6 and 4.6 ppb. The GA standard for lead is 25 ppb.

11. JUSTIFICATION FOR CLASSIFICATION DECISION

Soils at this site contains leachable levels of lead above 5 ppm in sufficient quantity to characterize the soil as hazardous. The lead even when exposed during the test pit portion of the investigation was not detected in the air monitoring equipment. Lead is detectable in the downgradient monitoring wells but at levels below the class GA standard. No known significant threat is posed by this site to human health and/or the environment.

12. SITE IMPACT DATA (Use UNK in space or U in N box if unknown)
a. Nearest surface water: Distance _700__ft. Direction _North__ Classification _____
b. Nearest Groundwater: Depth __20__ft. Flow Direction _north?_ ( )Sole Source ( )Primary ( )Principal
c. Nearest water supply: Distance __700_ft. Direction _west___ Active (x)Yes ( )No
d. Nearest building: Distance _200__ft. Direction __House__ Use _____

e. In State Economic Development Zone?	(x)Y ( )N	i. Controlled site access?	(x)Y ( )N
f. Crops or livestock on site?	( )Y (x)N	j. Exposed hazardous waste?	(x)Y ( )N
g. Documented fish or wildlife mortality?	( )Y (x)N	k. HRS Score ___na___	
h. Impact on special status fish or wildlife resource?	( )Y (x)N	l. For Class 2: Priority Category _____	

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
New York State Office of Mental Health	Hudson River Psyhiatric Center North Roadie, Poughkeepsie, NY 12601	(914) 452-8000

16. PREPARER	17. APPROVED
Daniel J. Eaton 5-18-94	G. A. Carlson 6/29/94
Signature Date	Signature Date
Daniel J. Eaton, Geologist, NYSDEC, BHSC	G.A. Carlson, Director, BEEE
	Name, Title, Organization

15(12-75)

CONFIDENTIAL

New York State Department of Environmental Conservation

MEMORANDUM

CONFIDENTIAL

RECEIVED
MAY 11 1994
NYS - DEC
REGION 3-NEW PALTZ

TO: Charles E. Sullivan, Jr., Bureau Chief
FROM: Samara F. Swanston, Field Unit Leader
SUBJECT: Hudson River Psychiatric Center # 314508
DATE: May 9, 1994

The attached memorandum describes the lead (pb) site which we discussed that DEE sent out a consent order for at the request of the technical staff. You will notice that confirmed disposal of lead has taken place which exceeds the permissible hazardous waste levels. This site was initially classified as a 2a. As you can see, the technical staff has determined that the site does not present any risk and has sought reclassification as a Class 3.

I am concerned that we may be perceived as treating another state agency more favorably than private responsible parties. We must always avoid appearing arbitrary in our decisions since that would reflect negatively on our credibility. I have a further concern that memorandum fails to justify why the Office of Mental Health is apparently being permitted unlimited time to excavate and properly dispose of lead contaminated soils and fails to articulate why the hazardous waste disposed of does not present a significant threat. If there are no conceivable pathways of exposure to the hazardous waste on the grounds of the public mental health facility I think that it is important to say that. If any question is ever raised about the handling of this site, DEE will be asked to defend that Department's decision. It would be useful to have a clear basis for that decision set forth in the record.

cc: Ram Pergadia
John Swartout

Dan
F-12
5/12

New York State Department of Environmental Conservation
Region 3, Division of Hazardous Waste Remediation
21 South Putt Corners Rd., New Paltz, NY 12561
Telephone: (914) 255-5453

MEMORANDUM

Langdon Marsh
Acting Commissioner

TO: John Swartwout, BHSC
FROM: Dan Bendell
SUBJECT: HRPC, New Building, #314508
Registry Classification

DATE: May 2, 1994

RECEIVED
MAY - 4 1994
NYSDEC DIV. ENV. ENF.
EASTERN FIELD UNIT

As we discussed on April 29, 1994 with Dan Eaton, a classification for this site needs to be determined. The initial attempt to classify the site as a 2A was not signed off by NYSDOH. Since that time, the investigation at the site has revealed the soil contains lead at levels that exceed the hazardous waste levels. The site is presently fenced in and the gate is locked. The site meets the criteria to be placed on the Registry as a class 3 on the registry; hazardous waste has been disposed but at the present time does not constitute a significant threat to human health or the environment. A class 3 determination would allow us to monitor the area until Office of Mental Health is prepared to excavate the soil and disposed of properly. As discussed, Dan Eaton will prepare the listing package for the site.

cc: A. Carlson/ S. Bates, NYSDOH
D. Eaton, 7010
J. Olm, NYSDOH
R. Pergadia
S. Swanston, DEE

hrpcjs53

Department of Environmental Conservation

Division of Environmental Remediation

Record of Decision

Hudson River Psychiatric Center Site
Town of Poughkeepsie, Dutchess County
Site Number 3-14-063

March 1998

New York State Department of Environmental Conservation
GEORGE E. PATAKI, *Governor* JOHN P. CAHILL, *Commissioner*

DECLARATION STATEMENT - RECORD OF DECISION

HUDSON RIVER PSYCHIATRIC CENTER

Inactive Hazardous Waste Disposal Site
Town of Poughkeepsie, Dutchess County, New York
Site No. 3-14-063

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedial action for the Hudson River Psychiatric Center inactive hazardous waste disposal site which was chosen in accordance with the New York State Environmental Conservation Law (ECL). The remedial program selected is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300).

This decision is based upon the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the Hudson River Psychiatric Center Inactive Hazardous Waste Site and upon public input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A bibliography of the documents included as part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened release of hazardous waste constituents from this site were addressed by implementing the Interim Remedial Measure (IRM) response actions 01 and 02 conducted during the Remedial Investigation/Feasibility Study (RI/FS). With the completion of IRM 03, the site will no longer pose a threat to public health and the environment.

Description of Selected Remedy

Based upon the results of the RI/FS, previous investigations, IRMs 01 & 02 that have been completed at the Hudson River Psychiatric Center and when IRM 03, removal and replacement of the concrete floor in the Cheney Building Vault room, which is a requisite action to achieve the goals of this ROD is completed and the criteria identified for evaluation of alternatives, the NYSDEC will not require any further remedial action for this site.

New York State Department of Health Acceptance

The New York State Department of Health concurs with the remedy selected for this site as being protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

3/27/98
Date

Michael J. O'Toole, Jr., Director
Division of Environmental Remediation

TABLE OF CONTENTS

SECTION		PAGE
1:	Site Description	4
2:	Site History	4
	2.1 Operational/Disposal History	4
	2.2 Previous Investigation	4
3:	Current Status	5
	3.1 Summary of Remedial Investigation	5
	3.1.1 Nature of Contamination	6
	3.1.2 Extent of Contamination	6
	3.2 Interim Remedial Measures	7
	3.3 Summary of Human Exposure Pathways	10
	3.4 Summary of Environmental Exposure Pathways	11
4:	Enforcement Status	11
5:	Summary of the Selected Remedy	11
6:	Highlights of Community Participation	12
Figures	- Site Location Map	13
	- Site Map	14
	- Storm Drain Sampling Locations	15
	- Area 6 Transects	16
	- Off-site Sediment Sampling Locations	17
	- Area 6 Surficial PCB Contamination	18
	- Area 6 MW Locations	19
	- Sample Location on Cheney Building Vault Room Floor	20
	- Bottom Excavation Soil Samples	21
	- Area 6 Excavation Plan	22
Tables	- Table 1: Nature and Extent of Contamination	23
Appendix	- Appendix A: Responsiveness Summary	A1
	- Appendix B: Administrative Record	B1

SECTION 1: SITE LOCATION AND DESCRIPTION

The Hudson River Psychiatric Center (HRPC) site, (#3-14-063) occupies approximately 700 acres along Route 9 in the Town of Poughkeepsie in Dutchess County, NY. Except for a portion of the site which is privately owned, the site is owned and operated by the New York State Office of Mental Health (OMH). The site is an active psychiatric complex, consisting of numerous in-patient and support buildings, recreation areas and undeveloped land. The site is bounded by the Hudson River and Route 9 to the west; on the east by Route 9G and residences; on the north by a residential area. South of the site is a children's home, residences and an abandoned industrial site. See **Figure 1, Site Location.**

Six waste disposal areas were investigated on the HRPC property. Of the six, five were determined to be nonhazardous. Only Area 6 required additional investigation and remediation. Area 6 is located near Ryon Hall in the southwest corner of the HRPC facility. It is bordered on the north by Ryon Drive, on the west by Winslow Gate Road, on the east by a parking lot, and on the south by an unnamed tributary to the Hudson River. See **Figure 2, Site Map.**

SECTION 2: SITE HISTORY

2.1: Operational/Disposal History

Hudson River Psychiatric Center has operated at the site since the early 1900's. During the mid 1960's through the early 1970's, the Dutchess County Department of Health inspected the facility's six disposal areas several times. The six areas were reportedly receiving only municipal garbage and construction debris. However, there was a concern that hazardous waste may have been disposed of at one or more of the six disposal areas. In December 1984, NYSDEC placed the Hudson River Psychiatric Center (HRPC) site on the New York State Registry of Inactive Hazardous Waste Disposal Sites (Registry) as a class 2a site with site identification number 314063. Class 2a is a temporary classification assigned to sites that have insufficient data for inclusion in any other classification.

2.2: Previous Investigations

In 1986, NYSDEC retained EA Science and Technology to prepare a Phase I Investigation. The Phase I consisted of a site visit and a literature search. The Phase I Investigation is used to determine whether or not there is enough evidence to continue investigating the site. The Phase I was not conclusive, so a Phase II Investigation was scheduled.

In 1986 the United States Environmental Protection Agency (EPA) retained NUS Corporation to conduct a site assessment to determine whether or not the site should be included on the National Priorities List. For the investigation, NUS collected soil, surface water, and sediment samples. Their sampling revealed polychlorinated biphenyls (PCB) contaminated sediment in the stream at levels up to 1700 parts per million (ppm.) In New York State, PCB waste is defined as hazardous waste at concentrations at or above 50 ppm.

In 1989, NYSDEC retained Lawler, Matusky and Skelly Engineers (LMS), to conduct a Phase II Investigation. The investigation, which covered all six disposal sites, included soil samples, groundwater monitoring well installation, groundwater samples, and surface water samples. The investigation determined that five of the six areas had no indication of hazardous waste disposal. Sediment samples from Area 6 revealed polychlorinated biphenyls (PCBs) at levels up to 390 ppm.

In April 1993 based on the results of the Phase II Investigation, NYSDEC reclassified the Hudson River Psychiatric Center from a Class 2a to a 2 on the Registry. A Class 2 is defined as a site that poses a significant threat to health or the environment and action is required.

In September 1993, the Dormitory Authority of the State of New York (DASNY) retained LMS to conduct an investigation to locate the source of the PCBs in Area 6. The investigation revealed that the Cheney Building Transformer Vault Room floor drain contained sediment with up to 200,000 ppm of PCBs. It is believed that PCB oil was released to the floor drain during routine maintenance or removal of the transformers containing PCB oil. Contrary to HRPC maps that showed the floor drain ending before the vault room, it was learned using smoke and dye tests that the floor drain was connected to the storm drain which emptied into the stream at an outfall in Area 6. A sediment sample from the storm drain near the Cheney Building contained 33 ppm of PCBs. During this investigation, sediment from all of the manholes between the Cheney Building and the outfall was analyzed. The results ranged from 20 ppm to 1410 ppm of PCBs. All transformers containing PCB oil have been removed. See **Figure 3, Storm Drain Sampling Locations.**

SECTION 3: CURRENT STATUS

In October 1994, the New York State Office of Mental Health (OMH) entered into an RI/FS consent order with NYSDEC for the Hudson River Psychiatric Center site. Although OMH owns and operates the HRPC, OMH contracts environmental investigations and remedial activities through the DASNY formerly known as the Facilities Development Corporation. In response to a determination that the presence of hazardous waste at the Site presents a significant threat to human health and the environment, DASNY has recently completed a Remedial Investigation/Feasibility Study (RI/FS).

3.1: Summary of the Remedial Investigation

The purpose of the RI was to define the nature and extent of any contamination resulting from previous activities at the site. The RI was conducted between September 1994 and January 1998. A report titled Remedial Investigation Report of Area 6 PCB Site at Hudson River Psychiatric Center, March 1996 has been prepared describing the field activities and findings of the RI in detail.

The RI included the following activities:

- Sediment samples from the stream and associated wetland in Area 6.
- Concrete cores from the Cheney Building Vault Room Floor.

- Samples from the existing on site groundwater monitoring wells.
- Interim Remedial Measure 01 to address conditions discovered at the site during the performance of the RI associated with the floor drain and the storm drains.
- Interim Remedial Measure 02 to remove the PCB-contaminated sediment from Area 6.

To determine which media (soil, groundwater, etc.) contain contamination at levels of concern, the RI analytical data was compared to environmental Standards, Criteria, and Guidance (SCGs). Groundwater, drinking water and surface water SCGs identified for the Hudson River Psychiatric Center site were based on NYSDEC Ambient Water Quality Standards and Guidance Values and Part V of NYS Sanitary Code. NYSDEC Technical and Administrative Guidance Memoranda (TAGM) 4046 soil cleanup guidelines for the protection of groundwater, background conditions, and risk-based remediation criteria were used as SCGs for soil. The Division of Fish and Wildlife Technical Guidance for Screening Contaminated Sediments was used for surface water sediments.

Based upon the results of the remedial investigation in comparison to the SCGs and potential public health and environmental exposure routes, certain areas and media of the site require remediation. These are summarized below. More complete information can be found in the RI Report.

3.1.1 Nature of Contamination:

As described in the RI Report, many sediment and groundwater samples were collected at the Site to characterize the nature and extent of contamination. Polychlorinated biphenyls (PCBs) were the contaminant of concern during the RI.

3.1.2 Extent of Contamination

Table 1 summarizes the extent of contamination for the contaminants of concern in the sediment and groundwater and compares the data with the proposed remedial action levels (SCGs) for the Site. The following are the media which were investigated and a summary of the findings of the investigation.

Chemical concentrations for samples in soil and sediment are reported in parts per billion (ppb), or parts per million (ppm). For comparison purposes, SCGs are given for each medium.

Sediment

In order to determine the horizontal and vertical extent of the PCB contaminated sediment, samples were collected in Area 6, in the stream, on the island, along the banks of the stream, and downstream in the Hudson River.

Prior to sampling the stream, seven transects were established in Area 6 to locate sample points. A total of 195 sediment samples were collected from 157 different locations. All samples were analyzed on

site by Commonwealth Analytical mobile laboratory for PCB analysis using a modification of EPA Method SW846-8080. One in every ten samples collected was split and sent to Energy and Environmental Engineering Inc. (E3I) a fixed laboratory for confirmatory PCB analysis using EPA Method SW846-8080. As results were received, an additional six transects were added to better delineate the contamination concentrations. See **Figure 4, Area 6 Transects.**

Stream sediments were collected by one of two methods, either using a stainless steel spoon for the 0-6 inch samples or a Geoprobe direct push macro-core sampling instrument for deeper samples. Samples were collected in 6 inch intervals to a depth of 2 ft, where possible. Within Area 6 sediment samples were collected from the stream, the island, and the banks. In addition several sediment samples were collected down stream of Area 6. Four samples were collected on Marist College's property and three were collected in the Hudson River. See **Figure 5, Off-site Sediment Sampling Locations.**

In Area 6, along the 13 transects PCB concentration levels ranged from non detect (ND) with a detection limit of 0.85 ppm, to 16,000 ppm. The PCB contamination in Area 6 was wide spread. The overall distribution of the contamination is illustrated in **Figure 6, Area 6 Surficial PCB Contamination.** The contamination was concentrated in the immediate vicinity of the storm drain outfall and decreased to non detect as the stream approaches the Route 9 culvert.

Groundwater

As part of the Remedial Investigation, groundwater samples were collected from the three existing monitoring wells on site. See **Figure 7, Area 6 Monitoring Well Locations.** The wells had been installed during the Phase II Investigation. Groundwater samples were collected from MWHR-6-16, MWHR-6-17, and MWHR-6-19 on December 5, 1995. Samples were shipped to E3I laboratory and analyzed for PCBs. No PCBs were detected in any of the samples.

Concrete Cores

In order to determine the depth of the PCB contamination within the Cheney Building vault room floor, concrete cores were collected. While performing IRM 01, Republic Environmental Services (RES) sampled the vault room floor. RES stated that they took 32 samples from the 1-2 inch interval of the concrete floor and had them analyzed for PCBs by the on-site mobile laboratory. Because RES did not document their sample procedures, LMS collected additional concrete cores from the floor. Cores were sampled using a roto-hammer and chisel in 1 inch increments. The process continued from the surface to approximately 5 inches in depth at each of the three locations. The 15 samples were also analyzed by the on-site laboratory. See **Figure 8, Sample Location on Cheney Building Vault Room Floor.**

RES's 32 sample results range in PCB concentration from a low of 0.9 ppm at VRF-21 to 30,000 ppm at SUP-3. The 15 samples collected by LMS revealed PCB concentrations in the concrete floor ranging from a low of 1.8 ppm at the 1-2 inch interval in C-3 to a high of 7,300 ppm at the 1-2 inch interval in C-1. PCB contamination was detected to a depth of 5 inches in the concrete floor.

3.2 Interim Remedial Measures:

Interim Remedial Measures (IRMs) are conducted at sites when a source of contamination or exposure pathways can be effectively and efficiently addressed prior to completion of the RI/FS.

IRM 01

During LMS's 1993 source investigation of the Cheney Building vault room floor drain, it was determined that the floor drain was improperly connected to the storm drain line which emptied into Area 6 instead of being connected to a sewer line. A visual inspection of the storm drain line between the Cheney Building and the first manhole (MH-13) noted that the drain line had collapsed and/ or separated. Based on this information, it was decided that an IRM should be completed immediately to prevent further contamination of the stream in Area 6. The Interim Remedial Measure 01 - Cheney Building PCB Abatement included the excavating, removing, and replacing of the storm drain line from the Cheney Building vault room floor drain to the first manhole. The Cheney Building Vault Room floor drain was removed, cleaned and then replaced after re-routing the drain to the sewer lines instead of the storm drain lines. The IRM activities included the cleaning and inspecting by closed circuit television the storm drain lines from the first manhole to the outfall at the stream in Area 6. During excavation, any soil contaminated with PCBs greater than 10 ppm was removed and disposed of off-site at approved landfills or incinerated. NYSDEC TAGM 4046 recommends 10 ppm as a cleanup objective for subsurface soil contaminated with PCBs. IRM 01 commenced in July 1995 and was completed in April 1996.

During the cleaning of the storm lines, the sediment was removed from each manhole basin. See **Figure 3, Storm Drain Plan**. The sediment was collected in drums and sampled for PCBs. The results ranged from 8.9 ppm PCBs at MH-12 to 27,000 ppm PCBs at MH-13. All sediment was properly disposed off site.

The IRM 01 work plan called for the excavation of the storm drain and approximately 2 feet of soil beneath the invert of the existing pipe to a depth of about 12-15 feet below ground surface (BGS). During the excavation, the soils were being tested for PCBs by a mobile laboratory on site so that field decisions could be made appropriately.

The soils beneath the pipe revealed greater contamination than expected. The results ranged from less than 0.5 ppm PCB to 15,000 ppm PCB at BESS-18. See **Figure 9, Bottom Excavation Soil Samples.** The excavation continued until the NYSDEC cleanup guideline of 10 ppm PCB was achieved. This occurred at about 5 ft. below the invert of the pipe and 23 ft. BGS.

The excavation and replacement of the storm drain line from the floor drain to Manhole 13 was expected to generate contaminated soil requiring off-site incineration or disposal. PCB contaminated soil with concentrations greater than 50 ppm require disposal at a permitted hazardous waste facility, while soils containing less than 50 ppm can be disposed of at an approved sanitary landfill. The excavation generated 112 tons of soil that required off site disposal; 17 tons were shipped to an incinerator in Port Arthur, Texas and 95 tons were disposed of at a hazardous waste landfill in Model City, NY.

During IRM 01, air sampling was conducted to ensure the safety of the workers and the residents of the facility. Two high volume particulate air samplers were used to monitor on and off site particulates. All samples taken during excavation activities showed no PCBs above the analytical detection limit.

The work plan for IRM 01 titled, IRM 01-PCB Abatement,Transformer Vault Cheney Building #98, dated Decmber 1994 and the report dated September 1996 are on file at the repository, if more indepth information is desired.

IRM 02

Interim Remedial Measure 02 - Remediation of PCB Contaminated Sediment in Area 6 was conducted between May 1997 and January 1998. The objectives of IRM 02 were to remove and properly dispose of the PCB contaminated sediments in the unnamed tributary of Hudson River that passes through Area 6 and its associated wetlands. After sediment removal, it was planned to return the stream bed to original elevation and restore the disturbed wetland.

Based on the RI results, it was expected to remove contaminated sediments from the outfall in Area 6 to the culvert which flows under Route 9. Due to proposed construction on the neighboring property, proposed drainage structures, long term monitoring, and the need to import fill for cover, DASNY proposed removing the sediment down to 1.0 ppm. See **Figure 10, Area 6 Excavation Plan.**

The IRM consisted of several tasks; mobilization, temporary stream diversion, haul road construction, dewatering procedures, construction of the decontamination pad and staging area, cleaning existing drain pipes, excavation, sampling, site restoration, and demobilization.

The excavation was segregated by level of contamination into 5 areas. Sediment was excavated in 6 inch lifts and loaded into roll-offs. The roll-offs were then sampled and secured in the staging area awaiting classification for disposal. An on-site mobile laboratory, Commonwealth (CA) analyzed the samples and provided the contractors with results within 24 hours in an attempt to move the project along. Ten percent of all samples were submitted to an off-site fixed laboratory for confirmation. Sediment samples were collected every 200 sq.ft. to determine whether additional sediment had to be removed. During the remediation, the onsite laboratory analyzed about 550 sediment samples.

The disposal of the contaminated sediments was based on the concentration levels. PCB contaminated sediments greater than 50 ppm required disposal at a permitted hazardous waste facility, while sediments containing less than 50 ppm could be disposed of at an approved landfill. The excavation generated 185 roll-offs weighing about 3200 tons of contaminated sediment. The on-site mobile laboratory analyzed about 350 samples for disposal classification. Eleven (11) roll-offs containing sediment with concentrations greater than 500 ppm were shipped to Port Arthur, Texas for incineration. Fifty five (55) roll-offs with PCB concentrations between 50 and 500 ppm PCBs were disposed at a hazardous waste landfill in Model City, NY. One hundred nineteen (119) roll-offs containing PCB concentrations below 50 ppm were disposed of at a landfills in Seneca Meadows, NY (117) and Rapp Road Landfill, Albany, NY (2).

During IRM 02, air sampling was conducted during remedial activities to ensure the safety of the workers and the residents of the facility. All samples taken during excavation activities showed no PCBs above the analytical detection limit.

A more detailed description of IRM 02 can be found in the document repositories. Both the work plan and the report for IRM 02 - Remediation of PCB Contaminated Sediment in Area 6, dated June 1996 and December 1997, respectively are at the repositories.

IRM 03

This IRM is comprised of the removal and proper disposal of the PCB contaminated suspended concrete floor in the Cheney Building Vault Room and replacing it with a new concrete floor. The sampling conducted during the RI/FS indicated that the PCB contamination did not pass through the slab. Therefore removal of the floor will remove all of the PCB contamination. IRM 03 is scheduled to begin in the Spring of 1998 and be completed by Fall.

3.3 Summary of Human Exposure Pathways:

This section discusses the potential pathways of human exposure related to this site.

An exposure pathway is how an individual may come into contact with a contaminant. The five elements of an exposure pathway are (1) the source of contamination; (2) the environmental media and transport mechanisms (water, air, soil); (3) the point of exposure (home, workplace); (4) the route of exposure (ingestion, inhalation, absorption through the skin); and (5) the receptor population. All five elements of the exposure pathway must be present for exposure occur. These elements of an exposure pathway may be based on past, present, or future events.

The exposure pathways that existed at the site were dermal contact with sub-surface sediments, soils, and the concrete floor.

Soils

The soils beneath the storm drain connecting the floor drain and Manhole #13 were contaminated with PCBs at concentrations greater than recommended NYSDEC guidelines. This may have been an exposure pathway for utility workers. However IRM 01 removed the PCB contaminated soils from beneath the storm drain lines. This potential exposure pathway no longer exists.

Sediment

Dermal contact with PCB contaminated subsurface sediment may have been a concern for construction or utility workers. However, all PCB contaminated sediment was removed from the stream area during IRM-02. This potential exposure pathway no longer exists.

Concrete Floor

Dermal contact with the PCB contaminated concrete floor in the Cheney Building vault room is a concern. However after the completion of IRM 03, replacement of the concrete slab, there would no longer be an exposure pathway.

3.4 Summary of Environmental Exposure Pathways:

This section summarizes the types of environmental exposures which may be presented by the site. The Fish and Wildlife Impact Assessment included in the RI presents a more detailed discussion of the potential impacts from the site to fish and wildlife resources. Prior to the completion of IRM 02, wildlife and benthic aquatic life were exposed to PCB contamination through direct contact or ingestion of sediments and surface water in the stream.

Previous investigations including the RI have detected PCBs in the sediment of stream. However, IRM 01 discontinued the source of the contamination to the stream and IRM 02 removed the contamination from the stream.

The monitoring wells on site have not detected any PCB in the groundwater. The primary contaminants associated with Hudson River Psychiatric Center is poly chlorinated biphenyls (PCBs).

SECTION 4: ENFORCEMENT STATUS

Potentially Responsible Parties (PRPs) are those who may be legally liable for contamination at a site. This may include past or present owners and operators, waste generators, and haulers.

The NYSDEC and New York State Office of Mental Health entered into a Consent Order on October 2, 1994. The Order obligates the responsible parties to implement a full remedial program.

The following is the chronological enforcement history of this site.

Date	Index No.	Subject of Order
10-94	D3-0001-93-07	RI/FS

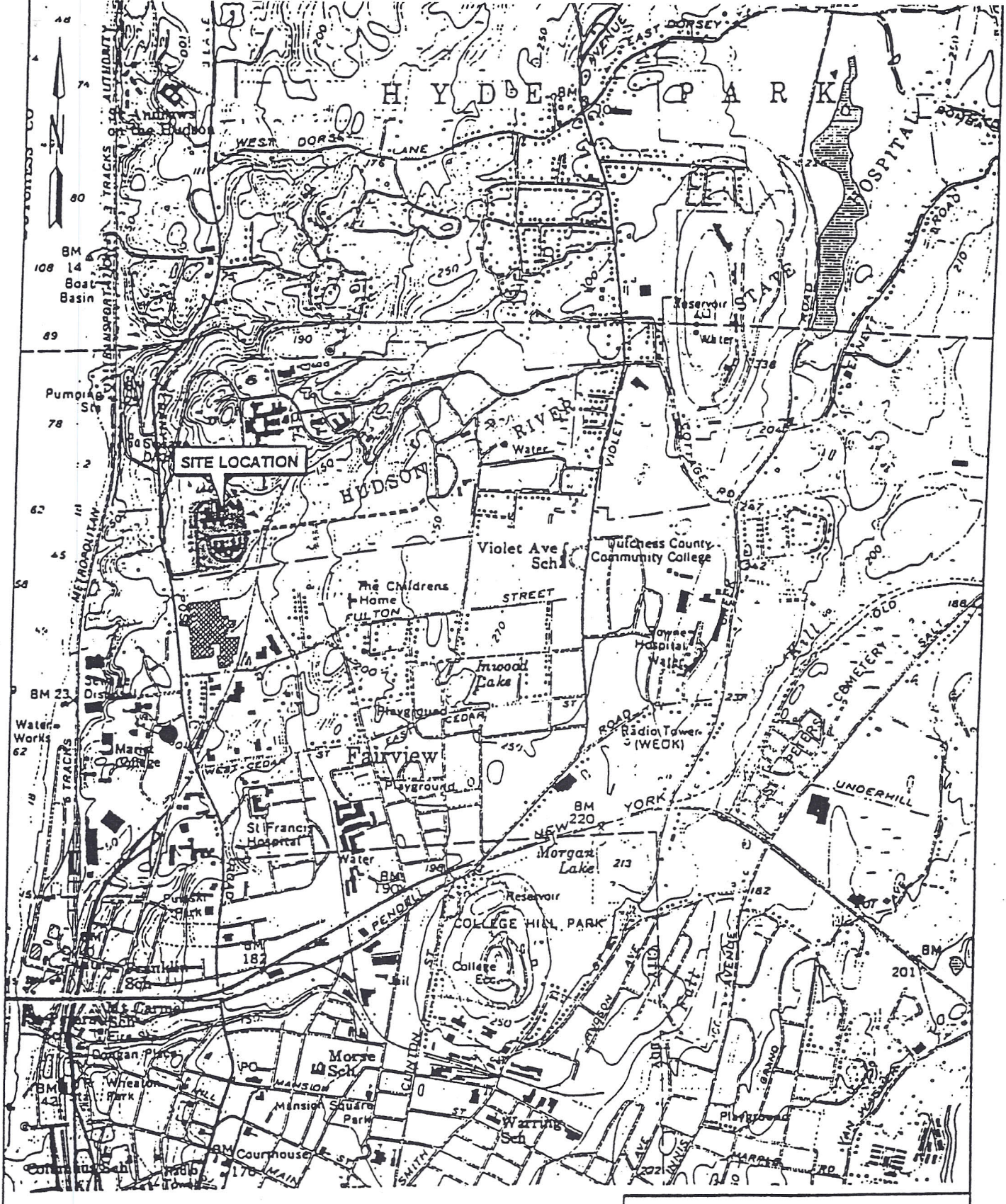
SECTION 5: SUMMARY OF THE SELECTED REMEDY

Based upon the results of the RI/FS, previous investigations, IRMs 01 & 02 that have been completed at the Hudson River Psychiatric Center and when IRM 03, removal and replacement of the concrete floor in the Cheney Building Vault room, which is a requisite action to achieve the goals of this ROD is completed and the criteria identified for evaluation of alternatives, the NYSDEC will not require any further remedial action for this site.

SECTION 6: HIGHLIGHTS OF COMMUNITY PARTICIPATION

As part of the remedial investigation process, a number of Citizen Participation (CP) activities were undertaken in an effort to inform and educate the public about conditions at the site and the potential remedial alternatives. The following public participation activities were conducted for the site:

- A Citizen Participation Plan was developed for the site.
- A repository for documents pertaining to the site was established.
- A site mailing list was established which included nearby property owners, local political officials local media and other interested parties.
- A Factsheet detailing the RI/FS work plan was mailed out in August 1995.
- A Factsheet detailing the RI/FS and IRM 01 work plan was mailed out in October 1995.
- A public meeting was held on November 9, 1995 at the American Legion Post 1446, Poughkeepsie.
- A Factsheet detailing the RI results and IRM 02 work plan was mailed out in October 1996.
- A Factsheet announcing the PRAP and a public meeting notice was sent out in February 1998.
- A public meeting was held on March 5, 1998 at the American Legion Post 1446, Poughkeepsie to discuss the PRAP.
- In March 1998, a Responsiveness Summary, Appendix A was prepared and made available to the public, to address the comments received during the public comment period for the PRAP.


HYDE PARK
SITE LOCATION
HUDSON RIVER
Violet Ave Sch
Dutchess County Community College
The Childrens Home
Fairview
Morgan Lake
Radio Tower (WEOK)
COLLEGE HILL PARK
St Francis Hospital
Mansion Square Park
Courthouse
Morse Sch
Warring Sch
Boat Basin
Pumping Sta
Water Works
Reservoir
Playground
Wheaton Park
Dorgan Place
Franklin Sch
Pulaski Park
Cottage Sch
Radio Tower
WEST DORSEY LANE
EAST DORSEY AVENUE
NEW YORK
PENDELL
UNDERHILL
FULTON STREET
WEST CEDAR ST
EAST CEDAR ST
MAIN ST
MANSION ST
CLINTON ST
SMITH ST
VIOLET AVE
HARPER RD
VAN KLEECK
OLD SALT HILL ROAD
CEMETERY
STATE HOSPITAL ROAD
BONBAC
METROPOLITAN TRANSPORTATION AUTHORITY
TRACKS
0
2000 ft
SCALE
1 in. = 2000 ft
New York
Quadrangle Location
Map source: USGS Topographic map, Poughkeepsie, NY, 1957, photorevised 1982
1122USGS.dsd
Figure 1
Site Location
NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER
LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

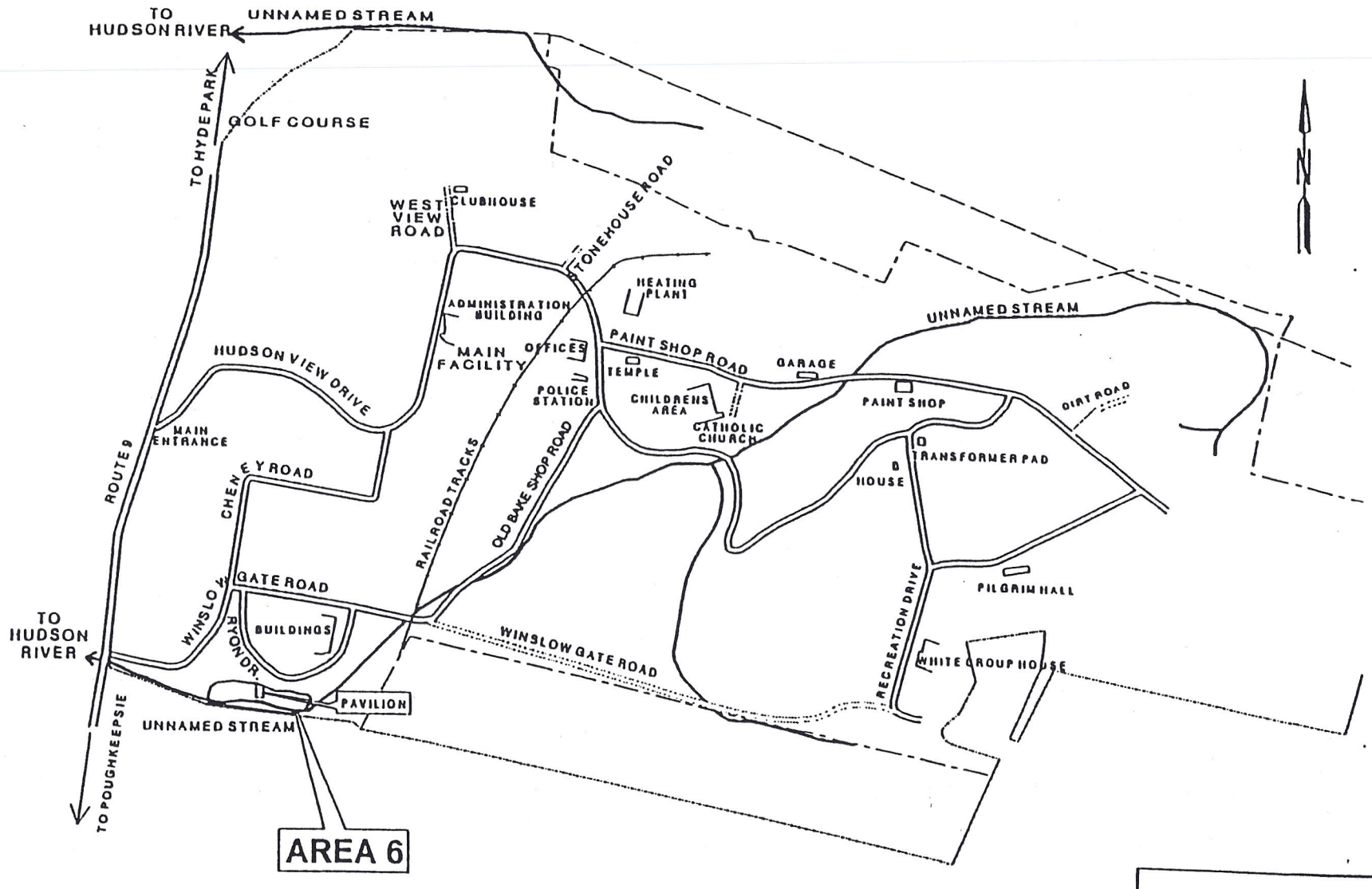
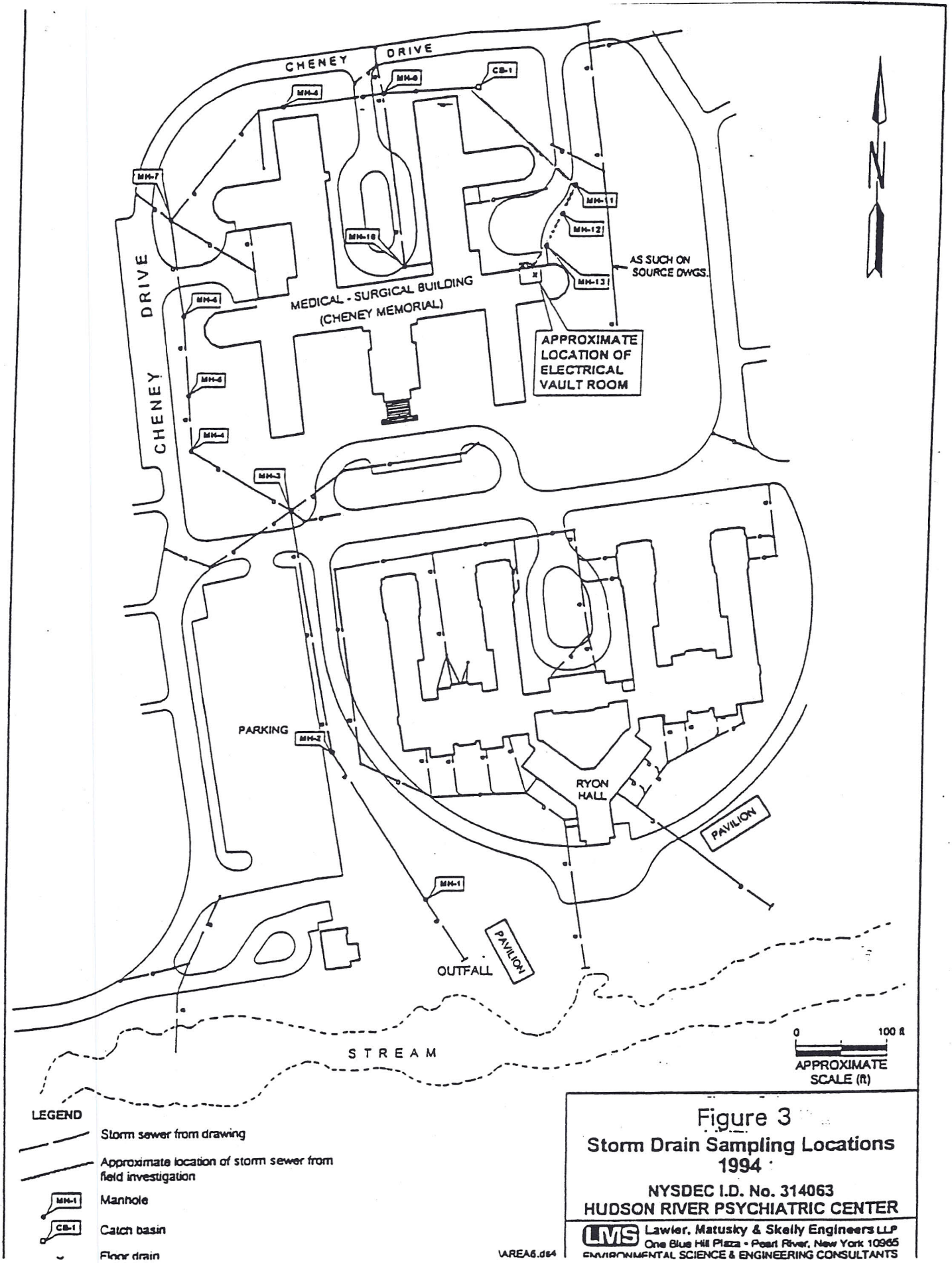


Figure 2
Site Map

NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 1096
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS



LEGEND

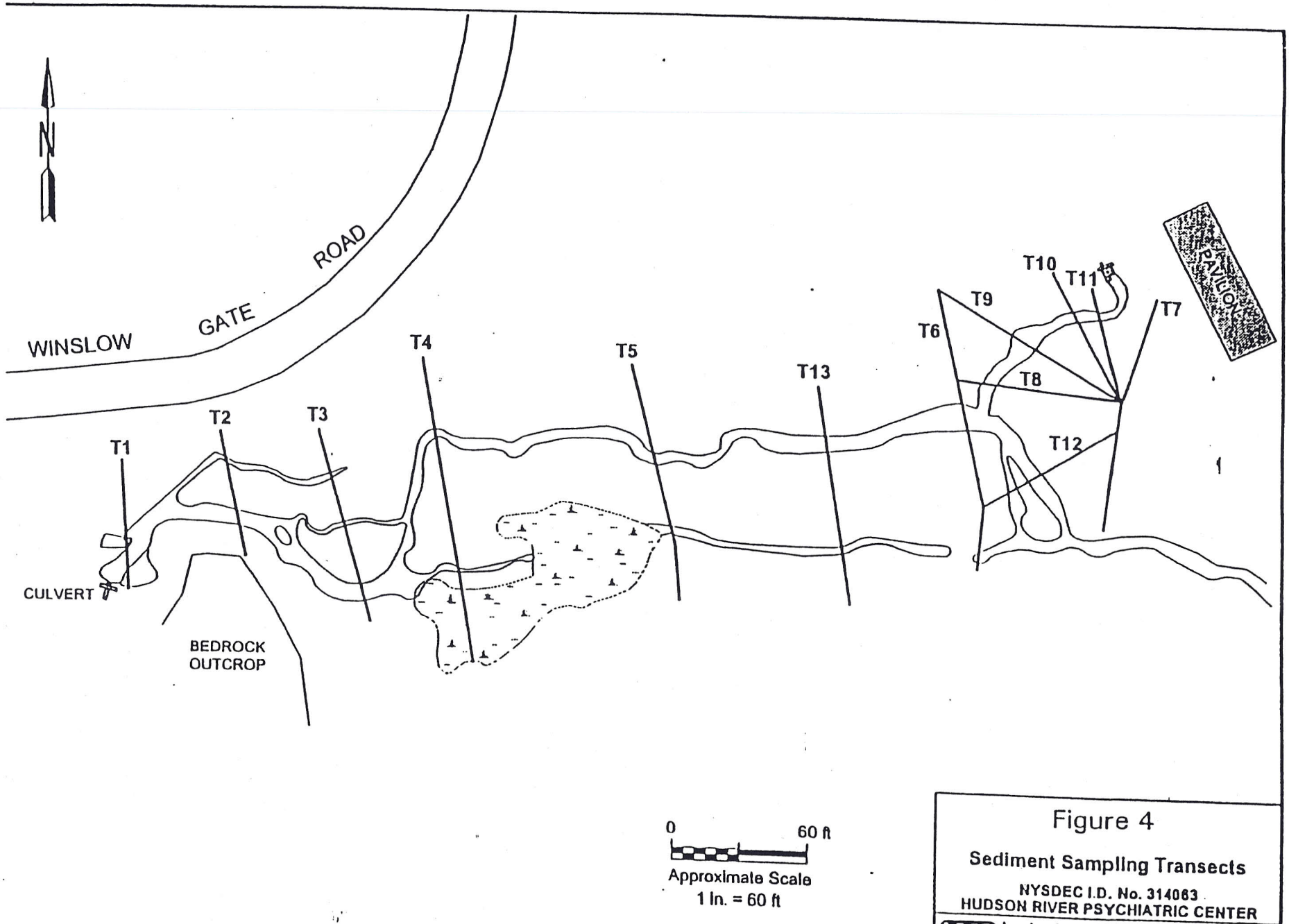
- Storm sewer from drawing
- Approximate location of storm sewer from field investigation
- MH-1 Manhole
- CB-1 Catch basin
- Floor drain

\AREA6.dbf

Figure 3
Storm Drain Sampling Locations
1994

NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS



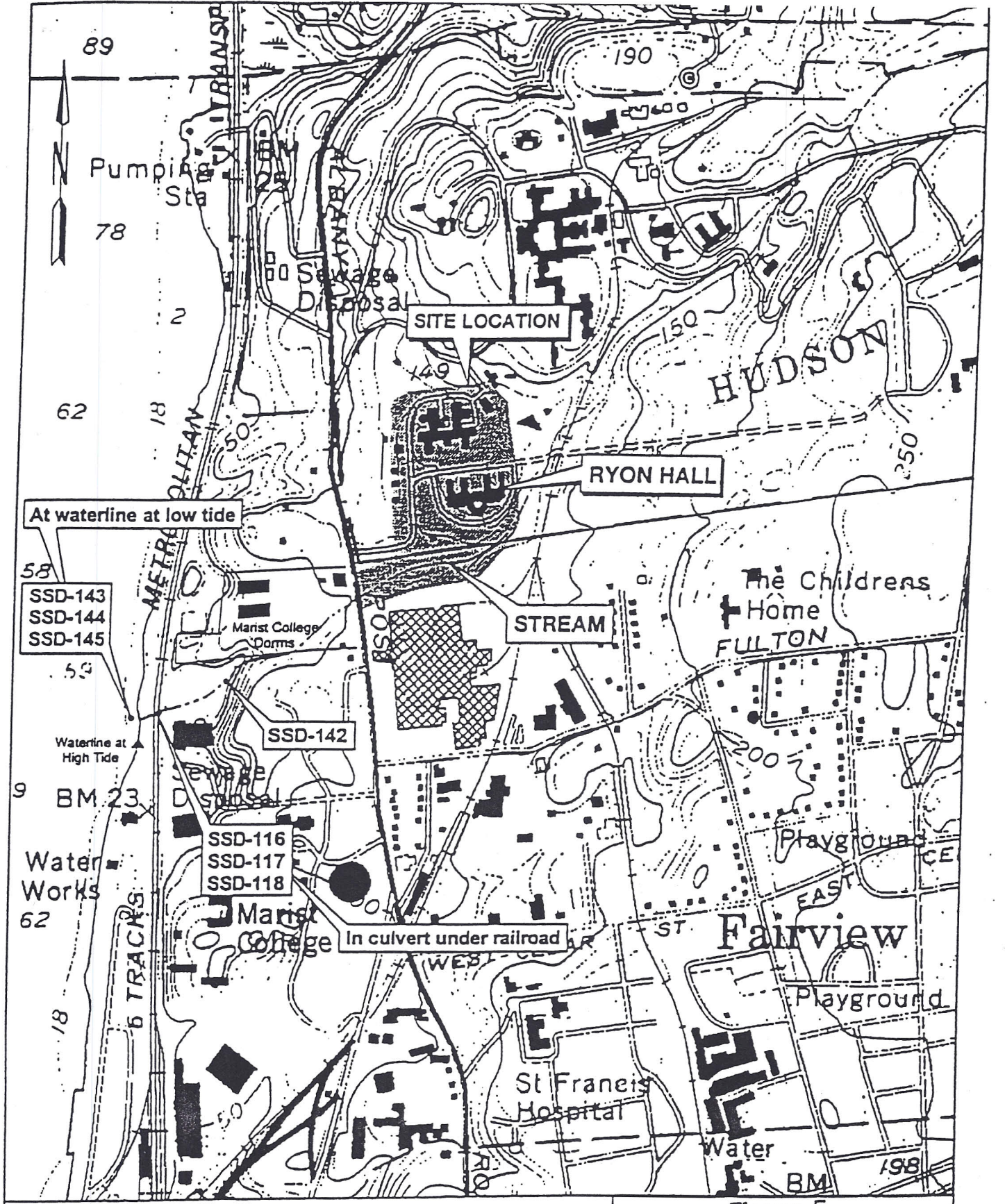
/659/CONC-DXF.ds4

Figure 4

Sediment Sampling Transects

NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS



0 2000 ft

SCALE IN FEET

Map source: USGS Topographic map, Poughkeepsie, NY, 1957, photorevised 1982

USGS-DET.ds4

Figure 5
Off-site Sediment Sampling Locations

NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

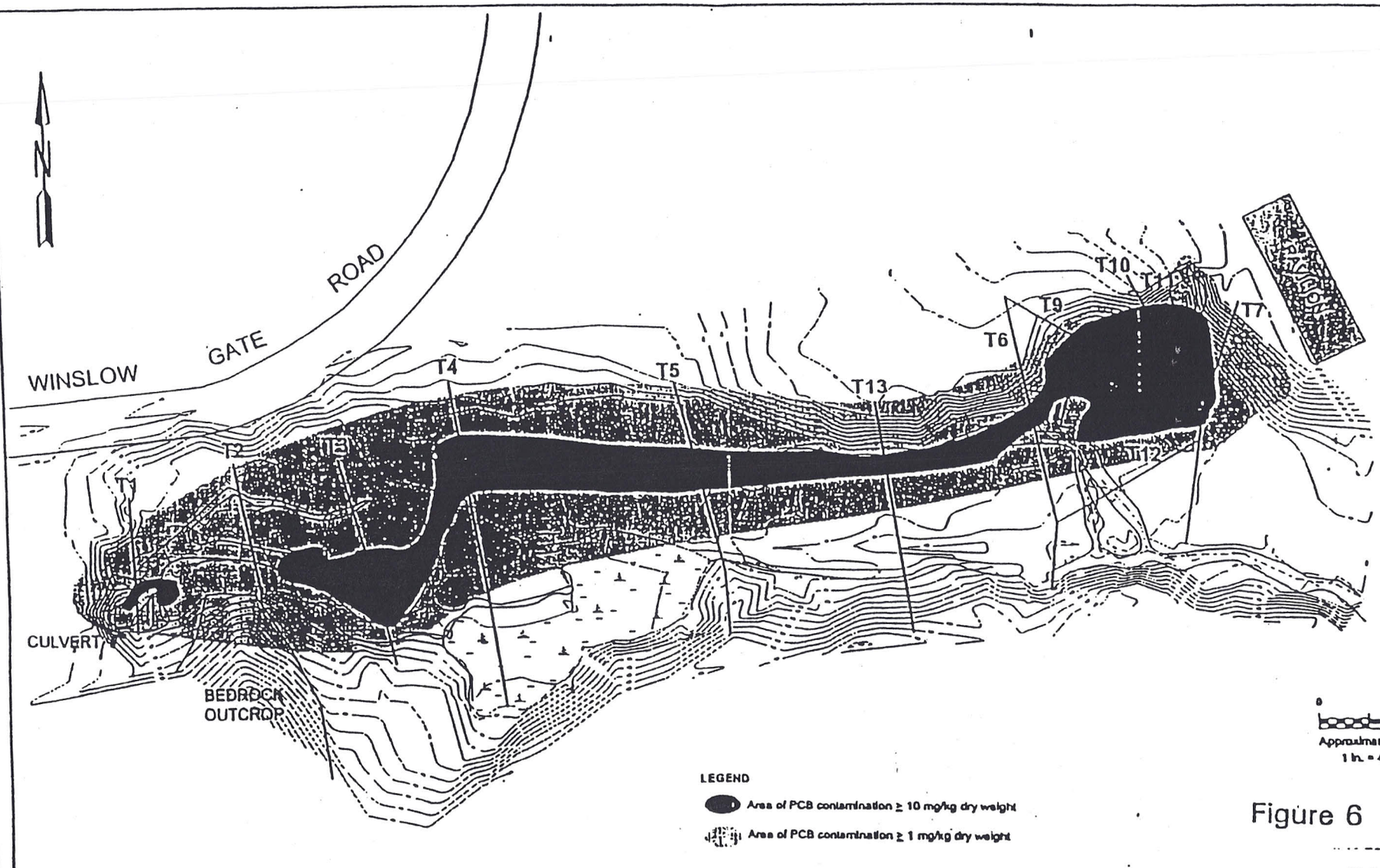


Figure 6

Area 6 Surficial PCB Contamination

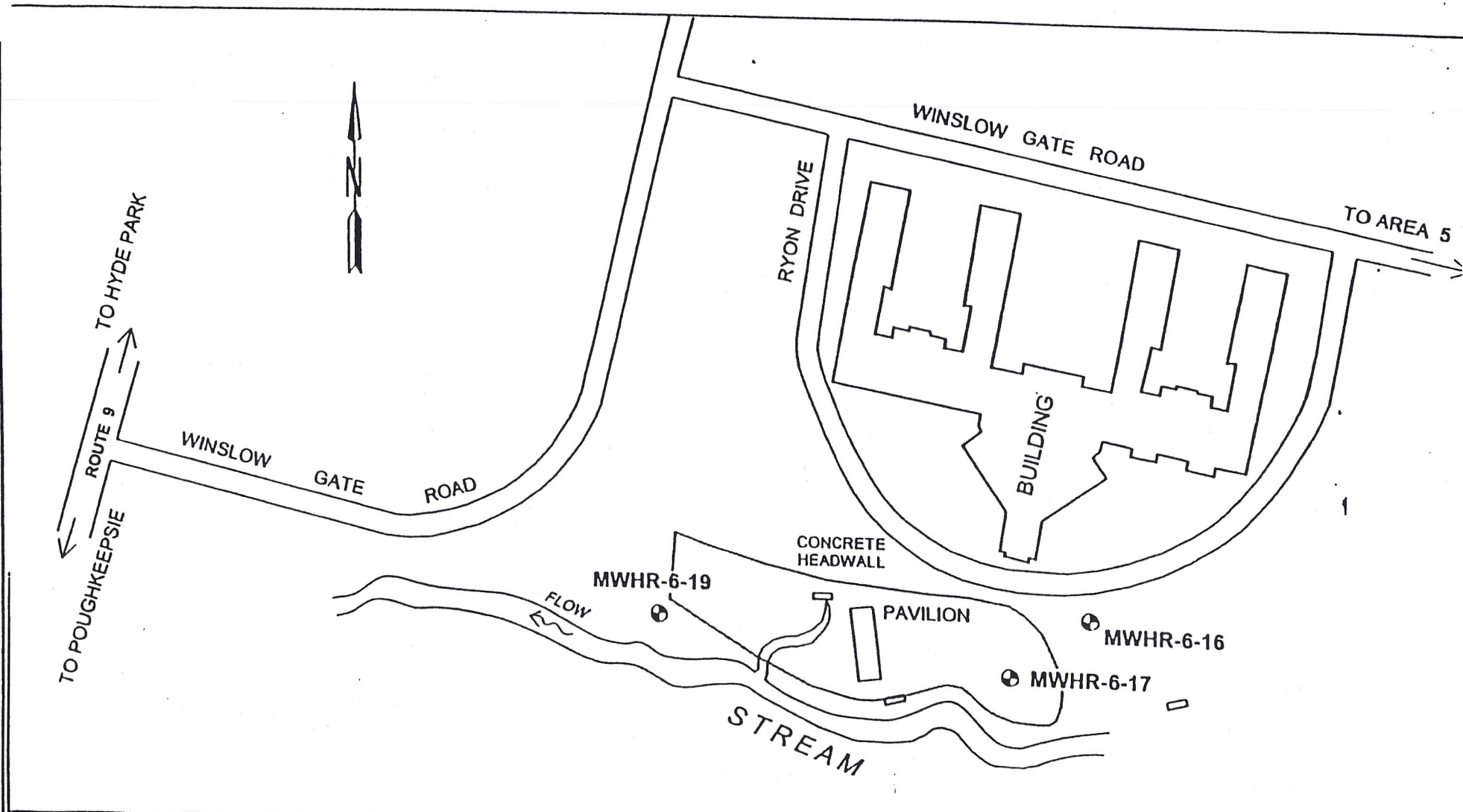


Figure 7

Area 6 MW Locations

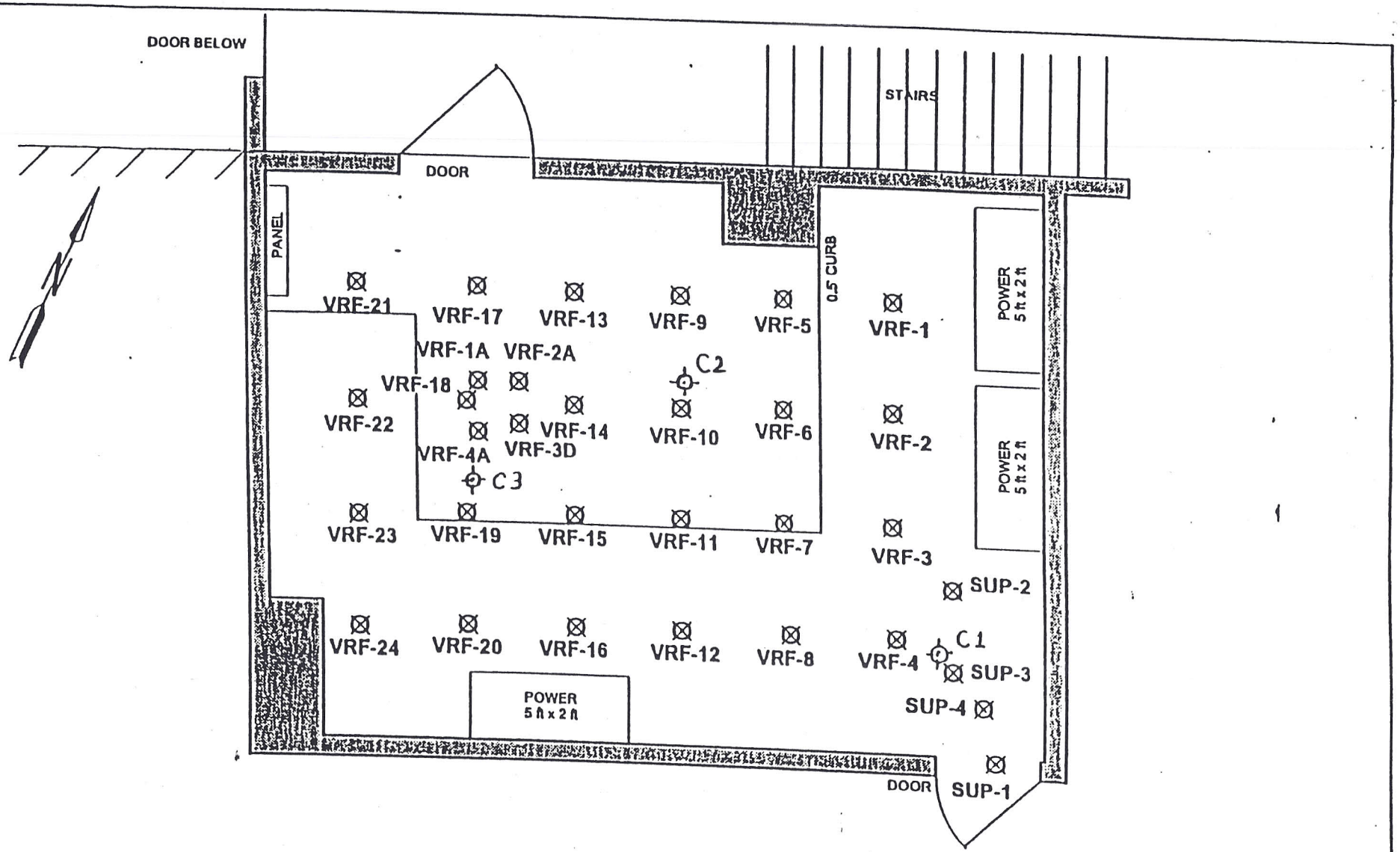
NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

0 200
SCALE IN FEET

LEGEND
Surface water sample location

\659\102-SAMP.dg



LEGEND

⊠ Sample location

C-3 ⊙ Concrete core sample location

0 3 ft

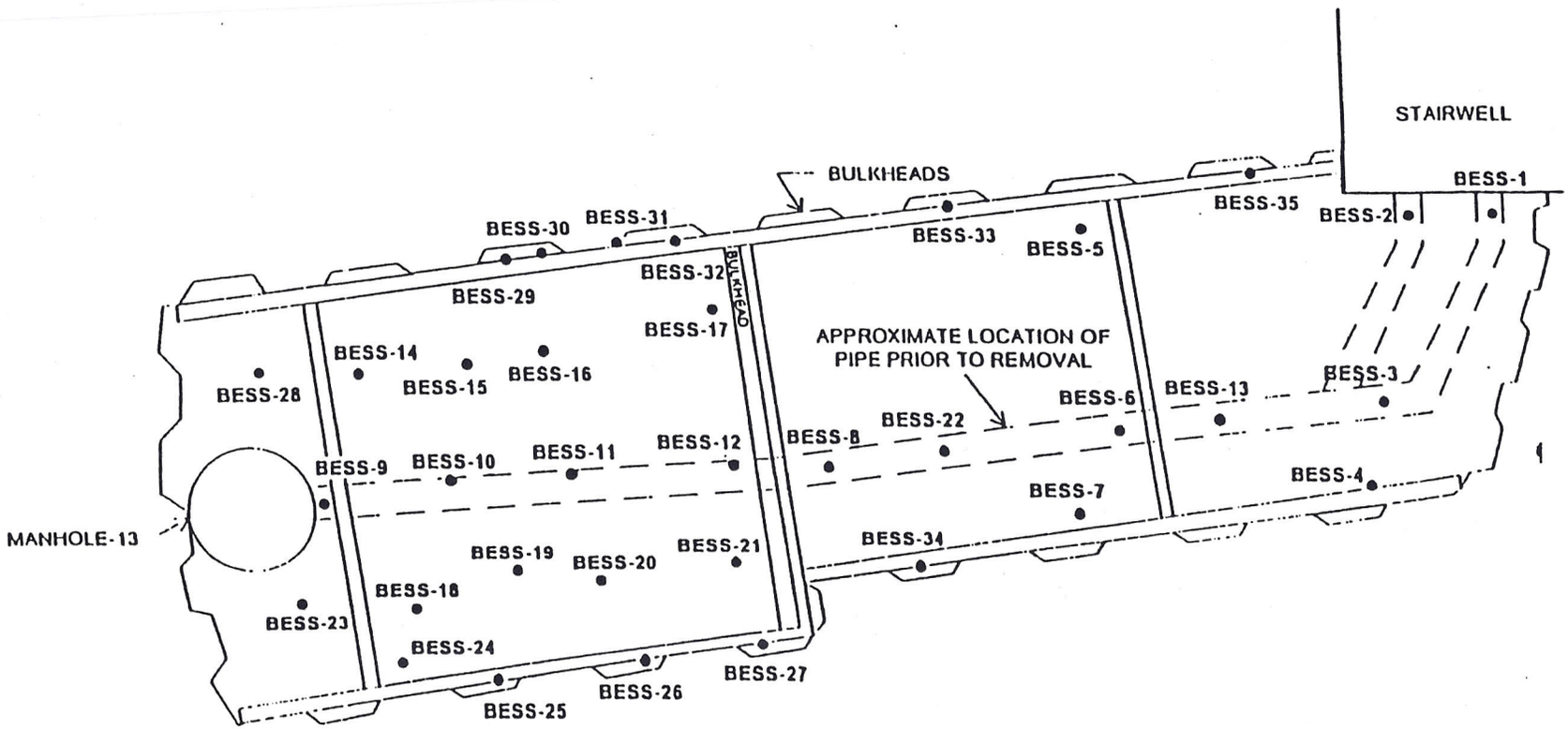
APPROXIMATE SCALE IN FEET

1659103C11 ds4

Figure 8
Concrete Sample Locations
Cheney Building Vault Room

NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS



NOT TO SCALE

/659/102TRENCH ds4

Figure 9
Bottom Excavation Soil Samples (BESS)
25-26 October 1995

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

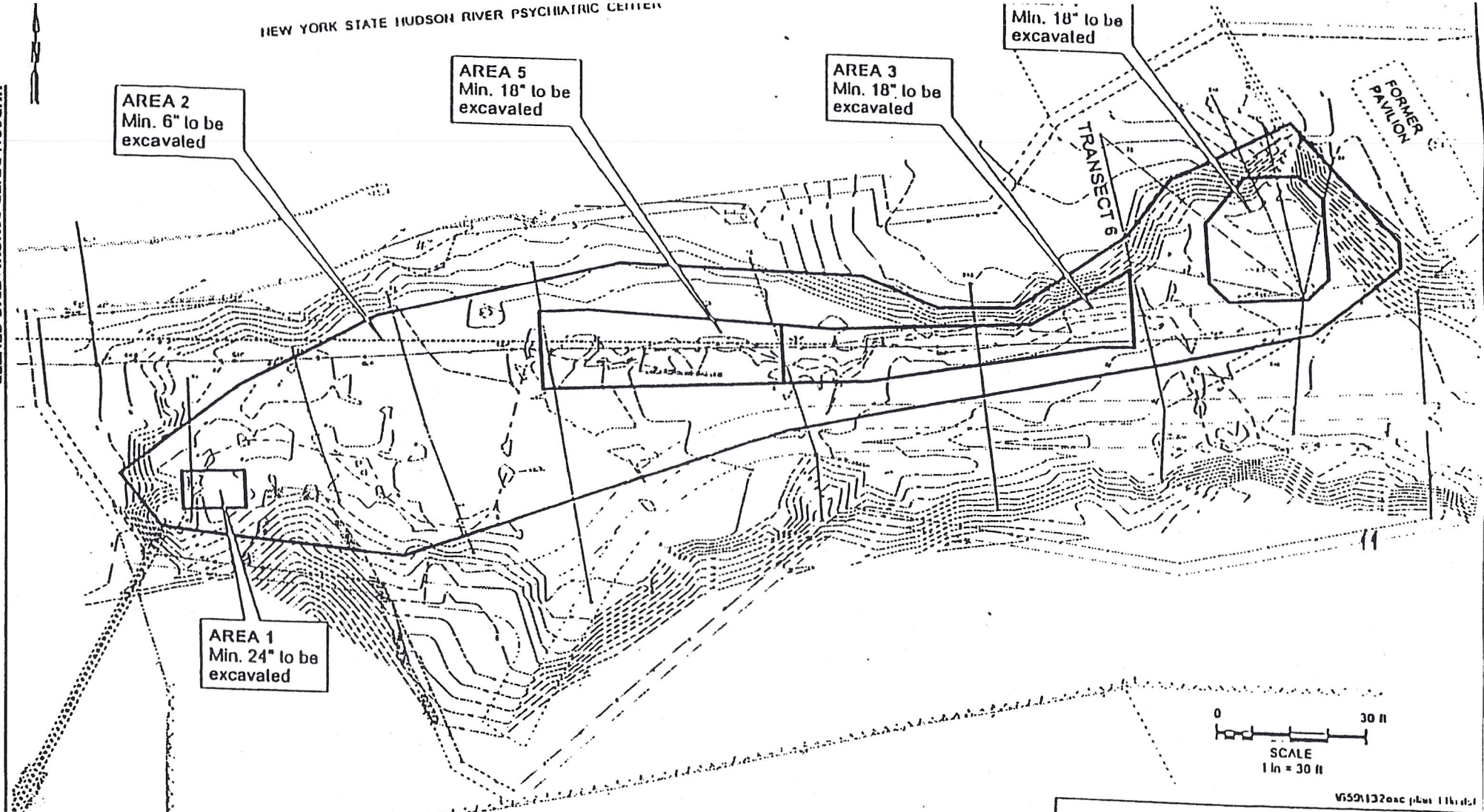


Figure 10

Area 6 Excavation Plan

DASNY Proj. No.: 56279
NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza · Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

Table 1
Nature and Extent of Contamination
Results From RI/FS

MEDIA	CLASS	CONTAMINANT OF CONCERN	CONCENTRATION RANGE (ppb)	FREQUENCY of EXCEEDING SCGS	SCG
Groundwater	Semi Volatile	PCB Aroclor 1260	ND	0 of 3	0.1 ppb
Sediments	Semi Volatile Organics surface	PCB Aroclor 1260	ND to 16000	91 of 152	1.0 ppm
	sub-surface	PCB Aroclor 1260	ND to 560	4 of 43	10 ppm
Concrete Floor	Semi Volatile	PCB Aroclor 1260	0.9 to 30,000	20 of 47	50 ppm

APPENDIX A

RESPONSIVENESS SUMMARY

The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) held a public meeting on March 5, 1998 at the American Legion Hall Post 1466, Poughkeepsie, NY to discuss and receive public comment on the findings of the Remedial Investigation/Feasibility Study (RI/FS) and the NYSDEC's Proposed Remedial Action Plan (PRAP) for the Hudson River Psychiatric Center Inactive Hazardous Waste Site. The RI/FS was performed by Lawler Matusky & Skelly Engineers LLP. (LMS), consultants retained by the Dormitory Authority of the State of New York (DASNY), who conducts investigations and remedial activities on the behalf of New York State Office of Mental Health (NYSOMH), the owner of the site. Present at the public meeting were representatives from NYSDEC, NYSDOH, NYSOMH, DASNY, LMS, and concerned citizens.

The PRAP and the FS were made available for public viewing by February 19, 1998 at the document repositories established for this site;

Adriance Memorial Library
93 Market Street
Poughkeepsie, NY
(914) 485-3445
Mon-Thurs. 9:00 am-7:00 pm
Fri & Sat 9:00 am- 5:00 pm

Dutchess County Env. Management Council
Dutchess County Farm and Home Center
Route 44, Millbrook, NY 12545
(914) 677-5253
Mon - Fri 8:30 am- 4:30 pm

NYSDEC Region 3
21 South Putt Corners Road
New Paltz, NY 12561
(914) 256-3052
Mon. -Fri. 9:00- 4:30

During the public comment period which extended from February 19, 1998 to March 20, 1998 no written comments were received regarding the PRAP.

The following Responsiveness Summary was prepared by the New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH) in response to public questions, comments and concerns received for the Proposed Remedial Action Plan for the Hudson River Psychiatric Center Inactive Hazardous Waste Disposal Site (#314063). This responsiveness summary is a compilation of comments received during the March 5, 1998 public information meeting held at the American Legion Hall Post 1466, Poughkeepsie, NY.

Comment 1
Are the odors in the Cheney Building Vault Room hazardous?
Comment 2.
Have the facility employees been at risk? Will they be?
Comment 3.
Are people who enter the Cheney Building Vault Room at risk?

Response
Vault Room: Polychlorinated biphenyls (PCBs) are the contaminants of concern in the Cheney Building Vault Room. Based on available information, any potential contact with contaminated materials would have been minimal, as the PCB contamination was in a limited access area. Any previous exposures would have been infrequent and of short duration, and thus posed minimal risk to persons at the site. As with all chemical exposure, heath effects are related to contaminant concentration, exposure pathway, exposure frequency and duration. Based on the data presented in the Remedial Investigation Report, the concrete core sampling results indicate that remaining PCB contamination is limited. Therefore, entering the room for a short duration for essential maintenance activities does not appear likely to pose a serious health risk. However, continuing to limit access to the Cheney Building Vault Room is recommended until Interim Remedial Measure (IRM) 03 is complete. There has been no sampling of the air in the room for PCBs or other chemicals. Therefore, it is unknown whether the odors detected are associated with the hazardous material disposed of at this site. IRM03 will remove the contamination from the Cheney Building Vault Room, preventing future exposure to PCB waste at the site.

Area 6 and storm sewers: At this site, PCBs were found in the Cheney Building Vault Room floor (discussed above), the storm sewers leading to Area 6 and in the sediments in Area 6. IRM01 and IRM02 removed the PCB contaminated material from the storm sewers and sediments in Area 6, eliminating the potential for exposure to these wastes. Based on available information, any potential contact with contaminated materials prior to these IRMs would have been minimal, as the majority of the PCB contamination was below the ground surface. Therefore, these areas posed minimal risk to persons at the site. In addition, a health and safety plan was in place during investigation and remediation activities to protect persons at the site.

Comment 4.
Will the removal of the floor in the Cheney Building Vault Room present a risk?
Response.
During all investigation and remediation activities, a health and safety plan is required to be in place to protect people in the surrounding community. This plan includes items such as limiting access to work areas and air monitoring and must be in place prior to the start of site activities. All necessary precautions have been and will continue to be taken to ensure the health and safety of the employees and patients at the site. The removal of the contaminated concrete floor will eliminate any future risk to persons accessing the vault room.

Comment 5.
Will access to the room be limited during the removal?
Response
Yes, the contractors performing the removal will set up a work zone and an exclusion zone to prevent unauthorized entry by both facility staff and residents.

Comment 6.
When will IRM03 commence and how long will it take to complete?
Response
IRM 03, removal and replacement of the concrete floor in the Cheney Building Vault room, is scheduled to begin in June 1998 and should be completed within two months.

Comment 7.
Is Area 4 still leaching? Was it throughly investigated?
Response
In 1989, NYSDEC retained a consultant to investigate the six disposal areas located at the facility. The Phase II Investigation revealed that only Area 6 contained hazardous constituents. Based on these results, NYSDEC delisted Areas 1-5 and reclassified Area 6 to a Class 2. Areas 1-4 were referred to the Division of Solid Waste for investigation and if necessary, proper closure.

APPENDIX B

Administrative Record

Order on Consent , Index # D3-0001-93-07, NYSDEC, October 1994

IRM-01 Workplan, LMS., January 1995

Remedial Investigation/ Feasibility Study Workplan, LMS, August 1995

Citizen Participation Plan, LMS., August 1995

Remedial Investigation Report, LMS., March 1996

IRM-02 Workplan, LMS., June 1996

IRM-01 Report, LMS., September 1996

Feasibility Study Report, LMS., March 1997

IRM-02 Report, LMS., February 1998

Proposed Remedial Action Plan, NYSDEC, February 1998

Responsiveness Summary, NYSDEC, March 1998

EA Engineering, P.C.

RECEIVED

OCT 13 1999

Health Services Unit

EA Northeast

Please copy

12 October ~~19~~ 1999

Mr. Ronald J. Gescedi, P.E.
Project Manager
Dormitory Authority of the State of New York
515 Broadway
Albany, New York 12207-2964

RE: Draft Work Plan for the Investigation of 5 Landfills located at the Hudson River Psychiatric Center, Poughkeepsie, New York
DASNY Project No. 59995-MH2-00
EA Project No. 61317.02

Dear Mr. Gescedi:

EA Engineering P.C., and its affiliate, EA Engineering, Science, and Technology, are pleased to present this Draft Work Plan for the investigation of 5 landfills located at the Hudson River Psychiatric Center, Poughkeepsie, New York. As per the 2 September 1999 site meeting, the New York State Department of Environmental Conservation requested that a Work Plan be submitted for their review prior to initiation of field activities associated with the landfill investigations.

Enclosed you will find 8 copies of the Work Plan as per your request on 12 October 1999. Please forward the appropriate number of copies to the New York State Department of Environmental Conservation for their review. If you require additional copies, please do not hesitate to contact me at (914) 565-8100.

Sincerely yours,

EA ENGINEERING, P.C.

David S. Santoro, P.E., L.S.
President

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

Charles E. McLeod, Jr., P.E.
Project Manager

99 OCT 15 PM 2:36

BUREAU OF CAPITAL OPERATIONS

DSS/caw
Enclosures
J. Fritz, OMH (w/att)
cc: S. Bard (OMH) (w/o attachment) — (w/3 att)
S. Gleason (w/att)
S. Albanese (w/att)

Work Plan
for the Landfill Area 1
Hudson River Psychiatric Center
Poughkeepsie, New York

DASNY Project No. 59995
Contract No. 73427

Prepared for

Dormitory Authority of the State of New York
515 Broadway
Albany, New York 12207-2964

and

State of New York Office of Mental Health
Capital District Psychiatric Center, Unit Q
75 New Scotland Avenue
Albany, New York 12208

Prepared by

EA Engineering, P.C. and its Affiliate
EA Science and Technology
3 Washington Center
Newburgh, New York 12550
(845) 565-8100

August 2003
FINAL
Project No. 13775.08

Additional Hydrogeologic Investigation Report for Landfill Area 1 Hudson River Psychiatric Center Poughkeepsie, New York

DASNY Project No. TBD
Contract No. 73427

Prepared for

Dormitory Authority of the State of New York
515 Broadway
Albany, New York 12207-2964

and

State of New York Office of Mental Health
Capital District Psychiatric Center, Unit Q
75 New Scotland Avenue
Albany, New York 12208

Prepared by

EA Engineering, P.C. and its Affiliate
EA Science and Technology
3 Washington Center
Newburgh, New York 12550
(845) 565-8100

November 2003
Revision: 0
Project No. 13775.13

Landfill Characterization Investigation Report
Areas 1, 2, 3, 5, 6, 7, and 8
Hudson River Psychiatric Center
Poughkeepsie, New York

DASNY Project No. 59995
Contract D59774Z – MH02.02

Prepared for

Dormitory Authority of the State of New York
515 Broadway
Albany, New York 12207-2964

and

State of New York Office of Mental Health
Capital District Psychiatric Center, Unit Q
75 New Scotland Avenue
Albany, New York 12208

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Engineering, Science, and Technology
3 Washington Center
Newburgh, New York 12550
(845) 565-8100

January 2001
Revision: FINAL
Project No. 61317.05

Landfill Characterization Investigation Report
Areas 1, 2, 3, 5, 6, 7, and 8
Hudson River Psychiatric Center
Poughkeepsie, New York

DASNY Project No. 59995
Contract D59774Z – MH02.02

Prepared for

Dormitory Authority of the State of New York
515 Broadway
Albany, New York 12207-2964

and

State of New York Office of Mental Health
Capital District Psychiatric Center, Unit Q
75 New Scotland Avenue
Albany, New York 12208

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Engineering, Science, and Technology
3 Washington Center
Newburgh, New York
(845) 565-8100

1/29/01

David S. Santoro, P.E., L.S., President — Date
EA Engineering, P.C. and Its Affiliate EA Engineering Science, and Technology

1/29/01

Douglas E. McClure, P.E., Project Manager — Date
EA Engineering, Science, and Technology

January 2001
Revision: FINAL
Project No. 61317.05

QUALITY REVIEW STATEMENT

Contract No. D59774Z – MH02.02 EA Project No.: 61317.05.1401
Activity: Hudson River Psychiatric Center

Description of Report/Deliverable:

Final Landfill Characterization Investigation Report Areas 1, 2, 3, 5, 6, 7, and 8
Hudson River Psychiatric Center, Poughkeepsie, New York

EA Project Manager: Douglas E. McClure, P.E.

In compliance with EA's Quality Procedures for review of deliverables outlined in the Quality Management Plan, this final deliverable has been reviewed for quality by the undersigned Senior Technical Reviewer(s). The information presented in this report/deliverable has been prepared in accordance with the approved Quality Management Plan and reflects a proper presentation of the data and/or the conclusions drawn and/or the analyses or design completed during the conduct of the work. This statement is based upon the standards identified in the Quality Management Plan and/or the standard of care existing at the time of preparation.

Senior Technical Reviewer

Michael Battle 1/29/01

Michael S.Battle, P.G. (Date)
Program Manager

CONTENTS

Page

LIST OF FIGURES
LIST OF TABLES

1. INTRODUCTION 1

1.1 Site History and Description 1
1.2 Site Geology 3
1.3 Previous Investigations 4
1.4 Closure Investigation Objectives 6
1.5 Regulatory Criteria 6

2. FIELD PROCEDURES 7

2.1 Geophysical Investigation 7
2.2 Test Pit Excavation 7
2.3 Leachate/Seep Sampling 8
2.4 Monitoring Well Inspection, Redevelopment 8
2.5 Water Level Gauging 9
2.6 Ground-Water Sampling 10
2.7 Site Restoration/Management of Investigation-Derived Waste 10
2.8 Survey of Waste Mass 11
2.9 Explosive Gas Survey 11
2.10 Vector Investigation 11
2.11 Extent of Wetland Investigation 11

3. SUMMARY OF FINDINGS 13

3.1 Review of Aerial Photographs 13
3.2 Test Pits/Test Trenches 15
3.3 Landfill Cap – Type and Extent 16
3.4 Analytical Results of Ground-Water Samples 16
3.5 Analytical Results of Leachate Seep Samples 20
3.6 Water Level Gauging Results 21
3.7 Explosive Gas Survey 21
3.8 Vector Investigation 23
3.9 Extent of Wetland Investigation 23

3.9.1 Area 1 24
3.9.2 Area 2 25
3.9.3 Area 3 23

Page

3.9.4 Area 5 25
3.9.5 Area 6 26
3.9.6 Area 8 27

3.10 Assessment of Landfill Area Closure 27

REFERENCES

APPENDIX A: TEST PIT LOGS
APPENDIX B: SITE PHOTOGRAPHS OF TEST PIT EXCAVATIONS
APPENDIX C: SOIL BORING LOGS AND WELL CONSTRUCTION DIAGRAMS
APPENDIX D: FIELD RECORD OF WELL DEVELOPMENT FORMS
APPENDIX E: FIELD RECORD OF WELL GAUGING, PURGING, AND SAMPLING FORMS
APPENDIX F: FIELD RECORD OF LANDFILL GAS MONITORING
APPENDIX G: COMMUNICATION RECORDS OF FORMER AND PRESENT FACILITY PERSONNEL
APPENDIX H: WETLAND DELINEATION DATA SHEETS
APPENDIX I: CALCULATIONS OF WASTE MASS WITHIN THE LANDFILL
APPENDIX J: LABORATORY FORM 1 DOCUMENTS
APPENDIX K: CHAIN-OF-CUSTODY FORMS
APPENDIX L: LABORATORY ANALYSIS DATA VALIDATION REPORT

LIST OF FIGURES

Number	Title
1	Site location map, Hudson River Psychiatric Center, Poughkeepsie, New York.
2	Approximate landfill area locations.
3	Site map of landfill Area 1, Hudson River Psychiatric Center, Poughkeepsie, New York.
4	Site map of landfill Area 2, Hudson River Psychiatric Center, Poughkeepsie, New York.
5	Site map of landfill Area 3, Hudson River Psychiatric Center, Poughkeepsie, New York.
6	Site map of landfill Area 5, Hudson River Psychiatric Center, Poughkeepsie, New York.
7	Site map of landfill Area 6, Hudson River Psychiatric Center, Poughkeepsie, New York.
8	Site map of landfill Area 8, Hudson River Psychiatric Center, Poughkeepsie, New York.
9	Cross-section of landfill Area 1, Hudson River Psychiatric Center, Poughkeepsie, New York.
10	Cross-section of landfill Area 2, Hudson River Psychiatric Center, Poughkeepsie, New York.
11	Cross-section of landfill Area 3, Hudson River Psychiatric Center, Poughkeepsie, New York.
12	Cross-section of landfill Area 5, Hudson River Psychiatric Center, Poughkeepsie, New York.
13	Cross-section of landfill Area 6, Hudson River Psychiatric Center, Poughkeepsie, New York.
14	Cross-section of landfill Area 8, Hudson River Psychiatric Center, Poughkeepsie, New York.

LIST OF TABLES

Number	Title
1	Summary of analytical results for ground-water and leachate seep samples collected from Area 1, Hudson River Psychiatric Center, Poughkeepsie, New York.
2	Summary of analytical results for ground-water and leachate seep samples collected from Area 2, Hudson River Psychiatric Center, Poughkeepsie, New York.
3	Summary of analytical results for ground-water and leachate seep samples collected from Area 3, Hudson River Psychiatric Center, Poughkeepsie, New York.
4	Summary of analytical results for ground-water samples collected from Area 5, Hudson River Psychiatric Center, Poughkeepsie, New York.
5	Summary of analytical results for ground-water and leachate seep samples collected from Area 6, Hudson River Psychiatric Center, Poughkeepsie, New York.
6	Summary of analytical results for leachate seep samples collected from Area 8, Hudson River Psychiatric Center, Poughkeepsie, New York.
7	Analytical results for quality assurance/quality control samples collected during the site investigation, Hudson River Psychiatric Center, Poughkeepsie, New York.
8	Summary of tentatively identified compounds detected in ground-water and leachate seep samples collected at the Hudson River Psychiatric Center, Poughkeepsie, New York.
9	Summary of landfill gas monitoring at Area 1.
10	Summary of landfill gas monitoring at Area 2.
11	Summary of landfill gas monitoring at Area 3.
12	Summary of landfill gas monitoring at Area 5.
13	Summary of landfill gas monitoring at Area 6.

Number	Title
14	Summary of landfill gas monitoring at Area 8.
15	Summary of landfill area closure requirements at the Hudson River Psychiatric Center, Poughkeepsie, New York.

1. INTRODUCTION

Under contract with the Dormitory Authority of the State of New York (DASNY), EA Engineering, P.C. and its affiliate EA Engineering, Science, and Technology have prepared this Landfill Characterization Investigation Report to document investigation activities for potential landfill Areas 1, 2, 3, 5, 6, 7, and 8 at the Hudson River Psychiatric Center (HRPC), Poughkeepsie, New York. Areas 7 and 8 were recently discovered as a result of background interviews with current and former facility personnel. Areas 1 through 6 were designated by Lawler, Matusky & Skelly Engineers (LMS) (LMS 1991), while Areas 7 and 8 were designated by EA (2000a). Landfill Area 4 is not located on the HRPC property. This investigation was conducted to determine the nature and extent of waste located within each of the 7 potential landfill areas. The report includes the findings of analytical samples collected from various media a~~nd a preliminary evaluation of remedial alternatives.~~

Investigation activities included the excavation of test pits and test trenches; redevelopment of monitoring wells; collection and analysis of the ground-water, leachate, and surface water samples; wetland and vector investigations; an explosive gas investigation; and a geophysical investigation. Investigation activities were conducted during the period April–August 2000. Field activities were conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Work Plan (EA 2000b).

Section 1 of this report presents an overview of site background information, including site history, site conditions, previous environmental studies, and applicable regulations. Section 2 details site-specific sampling activities and field sampling procedures. Section 3 summarizes the analytical results and other findings of the investigations. Appendix A provides test pit logs. Appendix B includes site photographs of test pit excavations. Appendix C provides soil boring logs and well construction diagrams. Appendix D includes Field Record of Well Development forms. Appendix E provides Field Record of Well Gauging, Purging, and Sampling forms. Appendix E also contains forms for leachate seep samples. Appendix F contains Field Record of Landfill Gas Monitoring forms. Appendix G contains communication records documenting interviews with former and present facility personnel. Appendix H contains wetland delineation data sheets. Appendix I provides calculations of the waste mass within each landfill. Appendix J provides laboratory Form 1 documents. Appendix K provides chain-of-custody forms. Appendix L provides a laboratory analysis data validation report.

1.1 SITE HISTORY AND DESCRIPTION

HRPC is located in the Town of Poughkeepsie off Route 9 in Dutchess County, New York (Figure 1), and occupies approximately 416 acres. Except for a small portion that is privately owned, the State of New York currently owns HRPC. There are a total of 7 identified separate potential landfill areas on the State-owned property:

Environmental: Reports/Data

LEBOEUF, LAMB, GREENE & MACRAE
L.L.P.
A LIMITED LIABILITY PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

ONE COMMERCE PLAZA
SUITE 2020
99 WASHINGTON AVENUE
ALBANY, NEW YORK 12210-2820
(518) 626-9000

October 10, 2000

TO: Robert J. Alessi

FROM: Carol L. Clark Carol

RE: Hudson River Psychiatric Center--DEC Region 3 Files

The following is a narrative based on the results of a document review conducted at the DEC Region 3 Offices on October 6, 2000.

HUDSON RIVER PSYCHIATRIC CENTER

1. SITE LOCATION AND DESCRIPTION

The Hudson River Psychiatric Center (HRPC) is situated on approximately 700 acres along Route 9 in the Town of Poughkeepsie (the "Site"). The Site is bounded by the Hudson River and Route 9 to the west; on the east by Route 9G and residences; on the north by a residential area; and on the south by a children's home, residences and an abandoned industrial site. See Exhibit 1, Site Location and Site Maps.

The HRPC at one time had six (6) disposal areas (totaling around 50 acres). Five of the disposal areas were determined to be nonhazardous. Only Area 6 required additional investigation and remediation, which has been completed. See Exhibit 2, Site Map and Sketch.

2. SITE HISTORY

2.1 Operational and Disposal History

The HRPC has been in operation since the early 1900's. During the mid 1960's through the early 1970's, the Dutchess County Department of Health (DCDOH) inspected the facility's six disposal areas. No records were kept on the types and quantities of wastes disposed of in each of the landfills and the DCDOH has no documentation suggesting that toxic or hazardous wastes were ever deposited at the site. It is believed wastes included household refuse, municipal trash and garbage, refrigerators, stoves, construction debris, etc. Area 2,[1] was used solely by HRPC and it operated the landfill until 1973 or 1974, for a period of approximately 100

---

1 The six Areas will be described in the section 2.2.

years. The remaining five areas by HRPC and the City or Town of Poughkeepsie between the 1950s and 1979. During the 1960s, there were complaints by neighbors and by the DCDOH concerning unsightly and unsanitary conditions at the landfills, and attempts were made by the DCDOH to improve operating conditions and/or close the landfills. The areas contained visible springs or small streams. Leachate from the garbage began coloring the standing water a brilliant red, and the organic muds became odorous. Leachate and ponding problems began occurring at landfill Area 5 and Area 6. In or around December 1984, DEC placed the HRPC on New York State's Registry of Inactive Hazardous Waste Disposal Sites (Registry) as a class 2a[2] site with site identification number 314063.

2.2 Previous Investigations

a. Landfills

In 1986, the DEC retained EA Science and Technology to prepare a Phase I Investigation. The Phase I was not conclusive, so a Phase II Investigation was conducted. Also, in 1986, the EPA retained NUS Corporation to conduct a site assessment to determine whether or not the Site should be included on the National Priorities List (NPL)[3]. NUS collected soil, surface water and sediment samples. The sampling revealed polychlorinated biphenyls (PCB) contaminated sediment in the stream at levels up to 1700 parts per million (ppm).

In 1989, the DEC retained Lawler, Matusky and Skelly Engineers (LMS) to conduct a Phase II Investigation to determine the nature and extent of contamination at the Site and whether hazardous waste was released to the environment. The results of the Phase II Investigation are summarized:

- **Area 1** -- This area is in the northwestern portion of the Site and is used as part of a golf course. The groundwater contained organic chemicals indicative of a release of gasoline or other petroleum products and high iron and manganese values. There was some contamination by iron and manganese in the surface water. Sediments indicated a possible source of coal tars or diesel fuel. None of the chemicals in Area 1 would lead to the classification of the Area 1 site as hazardous.

- **Area 2** -- This area is in the northeastern part of the Site. The groundwater was slightly contaminated with iron and manganese, probably as a result of leachate. There was no surface water contamination directly

---

2 A class 2a site is a temporary classification that is assigned to sites that have insufficient data for inclusion in any other classification.

3 The Site is not a NPL-listed site.

related to the landfill, whereas the sediment contained metals downstream of the fill. However, none of the chemicals in Area 2 would lead to the classification of the Area 2 site as hazardous.

- **Area 3** -- This area is in the southeastern part of the Site and a ball field occupies a part of the area. The groundwater along the western boundary of this area contained some organic and inorganic contamination, primarily iron and manganese. The surface water and sediment also indicated the presence of petroleum product or an asphalt source upstream of the sample. The southern part of this area contained organic and inorganic contamination within the fill material. The leachate sampling showed no EP toxicity metals, and therefore, the leachate was not considered hazardous.

- **Area 4** -- This area is south of Area 3 and is no longer owned by the State of New York. The surface water and sediment displayed slight contamination by benzene and chlorobenzene and other chemicals associated with a fuel source. However, the data does not indicate that Area 4 should be classified as hazardous. No groundwater data was available.

- **Area 5** -- This area is in the center of the Site. At one time a stream discharged through the area but it was covered during landfilling activities. To reduce the ponding that occurred, a culvert was constructed. The groundwater beneath the area was not contaminated with organic or inorganic contamination that could be directly attributed to the landfill. While some inorganic contamination of the surface water and sediment was observed, it was confined mostly to iron and manganese. The contamination in Area 5 was not that significant warranting the site being classified as hazardous.

- **Area 6** -- This area is in the southwestern part of the Site, near Ryon Hall, includes a picnic shelter and is approximately one acre in size. An unnamed tributary to the Hudson River lies along the south side of this Area. Stream sediments from this area were contaminated with PCB requiring further investigation of this area. Groundwater and sediment were also slightly contaminated with metals. This site was considered hazardous.

The Phase II Investigation recommended further work and investigations for the six areas.

- **Area 1** -- Installation of leachate control measures to prevent leachate from entering the surface water. Once installed, the site could be delisted.

- **Area 2** -- The area should be delisted and closed in accordance with DEC regulations, including removing and disposing of surface debris and covering and grading the western side of the landfill.

- **Area 3** -- Additional sampling should be performed. If the sampling does not indicate any potential for hazardous materials to migrate from the fill, the site should be delisted, possibly with the installation of leachate control measures.

- **Area 4** -- New wells and additional sampling should occur based on the discovery of a section believed to contain wastes reportedly dumped in the area during a May 1990 resampling event.

- **Area 5** -- Except for periodic inspection and cleaning of the culvert, no further work was required and the site should be delisted.

- **Area 6** -- Interim remedial measures (IRMs) were required in this area to isolate the PCB contamination. A focused feasibility study (FFS) was also recommended to delineate the extent of the contamination.

In May of 1991, the DEC approved the petition by several of the owners of Area 4 to delist the site from the Registry. In June 1991, the DEC notified Vasantha Krishna, Urabagilu Nagaraja and HRPC that Area 4 was to be deleted from the Registry.

In 1993, based on the results of the Phase II Investigation, the DEC reclassified the Site from a class 2a to a 2 on the Registry. A class 2 is defined as a site that poses a significant threat to health or the environment requiring action. Areas 1 through 5 were determined to be nonhazardous. Only Area 6 required additional remediation and investigation.

b. New Building Site

The Office of Mental Health (OMH) had planned to construct a 200 Bed Adult Psychiatric Treatment Building and consolidate services located in multiple buildings. (Facilities

Development Corporation (FDC)[4] Project 55000). See Exhibit 3. The selected site is over 14 acres in size and was once the location of two inpatient buildings. The buildings were demolished approximately 32 years ago. In conjunction with the siting and preliminary design of the building, a geotechnical investigation was conducted in November of 1992. Test borings revealed construction debris which was believed to have come from the demolition of the buildings. Soil samples detected small amounts of asbestos, arsenic, barium, cadmium, chromium, silver, selenium, mercury, and benzene in some samples, but all were "two orders of magnitude less than the standard." Lead was detected in all samples with five of the nine results exceeding the TCLP standard. Groundwater samples were also taken. Lead was detected in only one of the groundwater samples at a concentration below the groundwater standard. Chromium iron, manganese, sodium, lead, and beryllium were detected above the standard in some of the samples. Finally, phenols were detected at levels significantly higher than the standard, but since they were found upgradient, it was believed that their presence may not be associated with the old building.

In March of 1993, and as a result of the geotechnical investigation, the OMH submitted a scope of work for the investigation of potential hazardous waste at the new building site to DEC.

The OMH was unsure if they would construct the new building. Based on the possibility that the new building might not be constructed, a risk assessment was performed to evaluate the risk posed to human health by the lead at the site. The risk assessment concluded that there would be a "slightly increased risk" of cancer for children trespassing on the site or adult workers at the site. Since OMH was unsure if they would construct the building, they preferred not to remediate the site until a decision was made on the proposed project. The remediation would involve excavation of the contaminated materials and backfilling with clean fill. If the project moved forward and the new building was constructed, then the clean fill in the remediated area would have to be re-excavated. If there was no immediate threat posed by the lead contamination, it would be more cost-effective to wait for a final decision on the new building. OMH reserved decision on the start up of construction until September 1994.

On June 29, 1994, the DEC proposed including the new building on the Registry as a class 3 site (Site No. 314825N) based on the fact that the soils at this proposed site contained leachable levels of lead at quantities sufficient to characterize the soil as hazardous. At the time of the proposed listing, the site was not readily accessible, therefore, it did not pose a significant health threat.

---

4 The OMH owns and operates the HRPC, but contracts environmental investigation and remedial activities through the Dormitory Authority of the State of New York, formerly known as Facilities Development Corporation.

On June 29, 1994, the New York State Department of Health (DOH) concurred with DEC's proposed listing[5].

On July 17, 1999, the OMH provided the DOH with a copy of the Risk Assessment Sensitivity Analysis dated February 4, 1994. The OMH went on to state that the DEC intended to place OMH under a consent order to study and remediate this site, but decided to no longer pursue that option. It was OMH's understanding that the site was not considered a priority for remediation since groundwater was not impacted, and there was no risk of exposure to lead in the soils from the demolition debris. There was also a fence around the site.

The DEC has requested that OMH prepare a remedial plan for the lead-contaminated soils, but OMH has not yet formulated the remedial plan since their "efforts were focused on the remediation" of Area 6.

Finally, the OMH stated that the Empire State Development Corporation is in the process of marketing portions of the HRPC property on "an as-is basis, including this portion of the building site."

3. REMEDIATION OF AREA 6

3.1 Cheney Building Transformer Vault Room

In September 1993, the Dormitory Authority of the State of New York (DASNY) retained LMS to conduct an investigation to locate the source of the PCBs in Area 6 (Task 1 of the FFS). Sampling revealed that the Cheney Building Transformer Vault Room floor drain and a manhole in the storm drain near the northwest corner of the Cheney Building contained PCBs. Smoke and dye tests confirmed that the floor drain was connected to the storm drain which emptied into the stream at an outfall in Area 6. See Exhibit 5, Record of Decision (ROD), page 15, Figure 3 for the location of the Cheney Building.

In October 1994, the OMH entered into an RI/FS consent order with the DEC. The RI was conducted between September 1994 and January 1998.

Two IRMs were conducted at the site prior to the completion of the RI/FS and a third IRM was expected to be completed by the Fall of 1998.

---

5 It does not appear that this site was listed on the Registry. Rather, it appears that it has been included in the existing Registry listing, site code 314063, as an area in the northeast section of the 700 acre site with lead contaminated soil still to be resolved. See Exhibit 4, April 1, 2000 Registry Listing for the HRPC.

Based on the results of the investigation, IRM 01 was conducted in the Cheney Building. The IRM 01 commenced in July 1995 and was completed in April 1996. The IRM 01 included the excavation, removal, and replacement of the storm drain line from the Cheney Building Vault Room floor drain to the first manhole. In addition, the Cheney Building Vault Room floor drain was removed, cleaned and replaced after re-routing the drain to the sewer line instead of to the storm drain lines.

IRM 02 was conducted between May 1997 and January 1998 to remove and properly dispose of the PCB contaminated sediments in the unnamed tributary of the Hudson River that passes through Area 6 and its associated wetlands.

IRM 03 was to begin in the Spring of 1998 to remove and properly dispose of the PCB contaminated suspended concrete floor in the Cheney Building Vault Room and replace it with a new concrete floor. Since sampling conducted during the RI/FS process indicated that PCB contamination did not pass through the slab, removal of the floor would remove all of the PCB contamination. A final inspection for this DASNY project, project 59113, was completed on July 13, 1999.

In March of 1998, the DEC issued the ROD for the Site. Based on the results of the RI/FS, previous investigations, IRMs 01 and 02 that were completed and with the completion of IRM 03, no further action would be required for the site since it would no longer pose a threat to human health or the environment. See Exhibit 5, ROD.

3.2 Ryon Hall

During a September 9, 1993 field investigation, LMS discovered a tarlike substance in the floor drain of the old transformer room in Ryon Hall. See Exhibit 5, ROD, page 15, Figure 3 for the location of Ryon Hall. Tar was observed coming out of the cracks and molding joints in the cement floor within the vault room and adjacent hallway. PCBs and PAHs were detected in the samples. The results of the PCB analyses indicated that the tar samples were not hazardous under 6 NYCRR Part 371, but rather more closely resembled coal tar. Tar removed from the site would be considered nonhazardous contaminated waste, regulated under 6 NYCRR Part 360. A recommendation was made to remove the tar, with proper disposal under Part 360.

4. CURRENT STATUS

On July 14, 1999, the DEC notified Vasantha Krishna and Urabagilu Nagaraja, owners of the former Area 4, that during an inspection of the area, leachate was observed emanating from the former area. A written response was required by August 17, 1999.

On August 10, 1999, on behalf of DASNY and OMH, EA Engineering presented the results of the leachate sampling conducted on June 19, 1999. EA planned on sampling Area 3

but was directed to what was believed to be Area 4 by the DEC. By analyzing the maps, it was found that the sample collected was approximately 29 yards west of Area 3 and approximately 30 yards northeast of Area 4. EA was then directed to Area 6 where leachate seeps were observed (orange discoloration and a sheen was noted). Three ground water samples were collected. During previous inspections, DEC personnel noted an aqueous discharge of unknown origin that appeared to be emanating from a black high density polyethylene (HDPE) pipe discharging into a small stream adjacent to Building 28, Our Lady of the Rosary Catholic Chapel. It was determined that the catch basin which connected to the HDPE pipe could receive water from a toe drain around the Chapel. A sample was taken from the catch basin.

The results of the sampling was presented in the August 10, 1999 letter. Iron (all samples) and cyanide (one sample) were found in concentrations exceeding NYSDEC Surface Water Standards for Class D Surface Waters. While iron is a component of leachate, it was not clear whether the elevated levels were due to landfill activity or possibly elevated background concentrations. EA concluded that since cyanide was detected in only one sample location, it may not pose a threat to the water quality in the adjacent stream. EA recommended collecting surface water samples for iron and cyanide from the stream at the property boundary.

On September 8, 1999, the DEC sent the OMH a letter summarizing a September 2, 1999 meeting between the DEC, DASNY, OMH, and EA. DEC stated that the five solid waste landfills (Areas 1, 2, 3, 5, and 6) were to be closed in a manner consistent with New York State's Solid Waste Management regulations. The DEC still had concerns regarding the status of the landfill based on site inspections and the observation of leachate seeps at Areas 3 and 6 and reported discharges at Areas 1 and 2. OMH agreed to develop a work plan to delineate the work to be done to assess the current status of the landfills.

At a minimum, it was agreed that the Work Plan, which was to be submitted to the DEC by October 15, 1999, would address the following items:

1. Confirmation of when each landfill stopped accepting waste, either by aerial photographs, search of past records, or other method;

2. Determine the type of cap currently on each of the landfills;

3. Sample leachate seeps and available groundwater monitoring wells for baseline parameters (6 NYCRR 360-2.11(d)(6); and

4. Determine the limits of each landfill by utilizing a series of test pits or other suitable means.

Finally, the letter addressed a land clearing debris landfill off of Old Paint Shop Road. DEC understood that OMH would close this landfill rather than seek a registration and

stated that the landfill must be closed in accordance with 6 NYCRR 360-7.2(c)(3), (4) and (5). DEC also stated that this site is to be included in the Work Plan.

On January 24, 2000, EA submitted the Work Plan for the five landfills.

There was no further documentation in the DEC's files on this work. Accordingly, I spoke with Frank Kelly, a DEC Environmental Engineer regarding the work at the site. Mr. Kelly stated that DASNY performed the work in accordance with the approved work plan and anticipates circulating a draft report sometime in December.

On June 14, 2000, John F. Lyons, Esq., Grant & Lyon, counsel for Dr. Krishna responded to the DEC's July 14, 1999 letter. Mr. Lyons reviewed the DEC files pursuant to a Freedom of Information Law Request and he retained Environmental Services and Solutions (ESI) to investigate the area. Based on the review, ESI concluded that the discolored surface water was associated with activities to the north and south of the Krishna property, on what was the HRPC Site.

On September 21, 2000, the DEC informed Mr. Krishna that after a review of the available information, it determined that no further action would be required at that time. The information contained in the DEC's files and in the June 14, 2000 submittal were inconclusive. DEC stated that the seep identified in past inspections can not be determined to be leachate due to the lack of appropriate analyses. While there has been a disposal activity in the vicinity of the seep, the estimated volume of the disposed waste did not correspond to the volume of the discharge. In conclusion, DEC recommended that Mr. Krishna contact the DCDOH and the OMH to determine the "true location" of the landfill.

5. SPILLS

Two spill files were reviewed. There was not much information regarding either of these spills.

A. Spill No.: 003132.

This spill was reported on June 13, 2000 at 12:00 p.m. A #2 fuel oil spill occurred on the ground during a tank test.

B. Spill No. 9905688

This spill was reported on August 11, 1999 at 2:00 p.m. Around 275 gallons of #2 fuel oil spilled during an equipment failure in Building 149. A water line broke and flooded the basement. A slight sheen was observed on the surface of the water and there was a "light odor of oil." The file was closed on September 1, 1999.

6. ADDITIONAL WORK

- A FOIL request will be submitted to DCDOH.
- At some point in the future, we might want to consider a FOIL request to DASNY.
- Document reviews still need to be conducted at other agencies. I am awaiting a response from those agencies.

This memo may change based upon further information we receive from the DEC. Copies of documents obtained during the document review have been sent to file.

Map source: USGS Topographic map, Poughkeepsie, NY, 1957, photorevised 1982

Figure 1
Site Location

NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

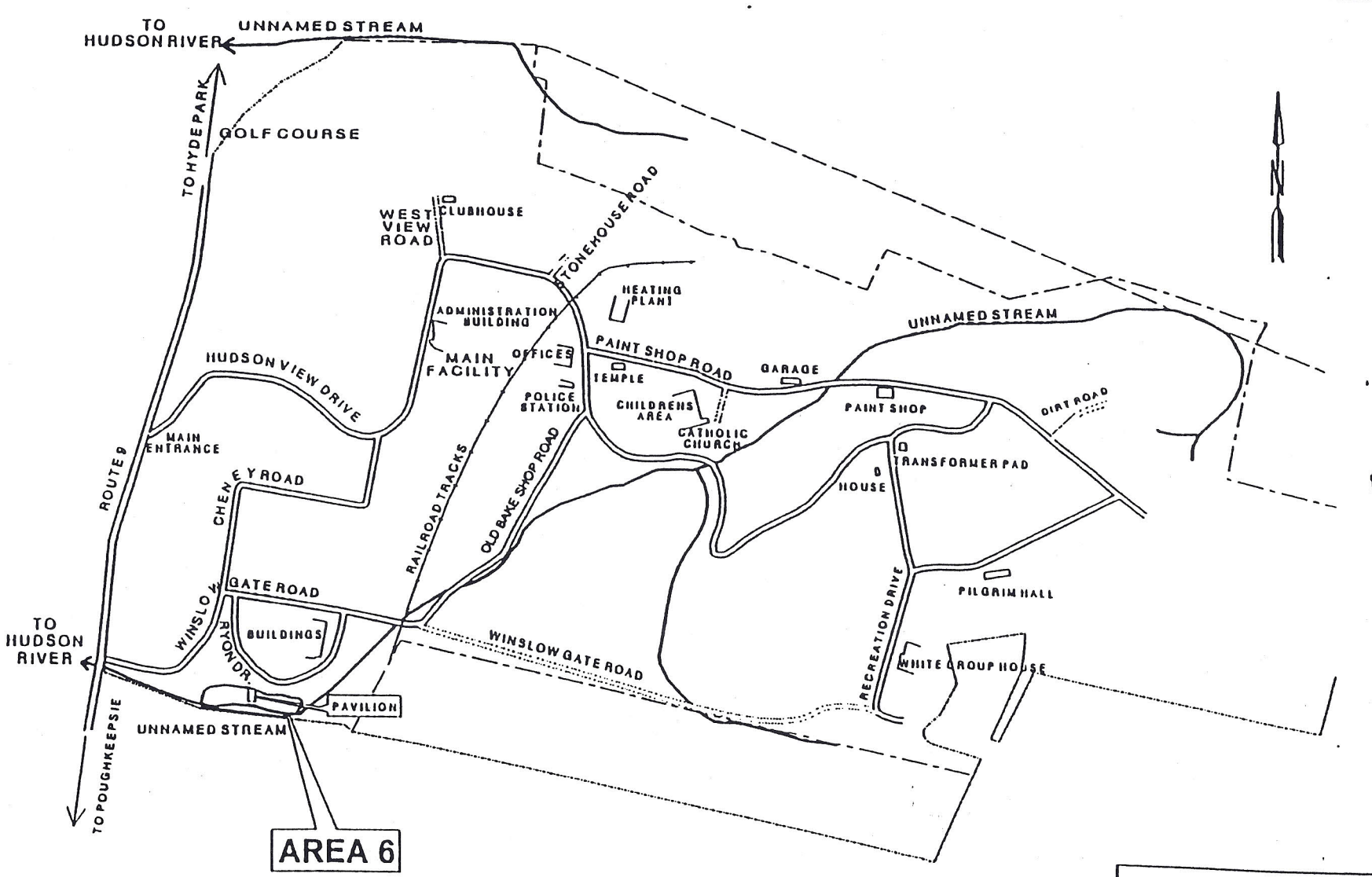
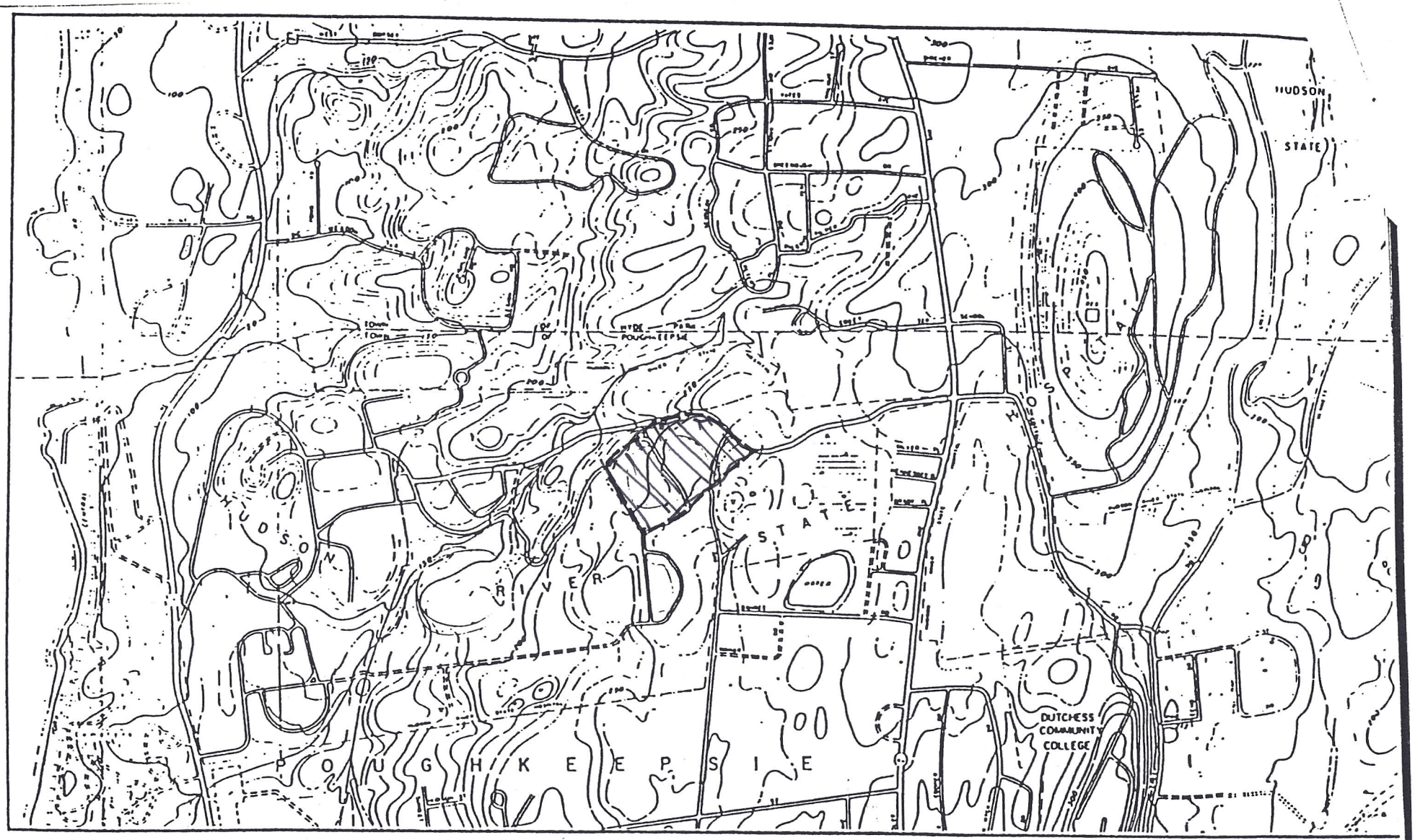


Figure 2
Site Map

NYSDEC I.D. No. 314063
HUDSON RIVER PSYCHIATRIC CENTER
LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS



Hudson River Psychiatric Center
Environmental Impact Statement
NYS Office of Mental Health
FDC # 55008

0 1200 2400 Ft

Topography

New building site

Source: Dutchess County Planning Board

2.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2000

Site Name:	**Hudson River Psych. Center (HRPC)**			**Site Code:**	**314063**
Class Code:	**2**	Region: **3**	County: **Dutchess**	EPA Id:	
Address:	**North Road**		City: **Poughkeepsie**	Zip:	**12601**
Latitude:	**41 43' 42"**	Longitude: **73 55' 48"**			
Site Type:	**Landfill**		Estimated Size: **1** Acres		

Site Owner / Operator Information:

Current Owner(s) Name:	**Hudson River Psychiatric Hospital**		
Current Owner(s) Address:	**Branch B, 373 North Road**	**Poughkeepsie**	**NY . 126011197**
Owner(s) during disposal:	**NYS - Hudson River State Hospital**		
Operator(s) during disposal:	***** Multiple Site Operators *****		
Stated Operator(s) Address:			
Hazardous Waste Disposal Period:	From **1960**	To **1980**	

Site Description:

The Hudson River Psychiatric Center originally consisted of six separate landfill areas. After thorough investigation, it has been determined that areas 1 through 5 have no documented hazardous waste disposal and will no longer be considered a part of this site. Area 6 of the Hudson River Psychiatric Center is located between the Alcohol Rehabilitation Center Building (Ryon Hall) and Route 9 at the southwestern corner of the Psychiatric Center grounds and is approximately 1 acre in size. An unnamed tributary to the Hudson River passes by on the south side of the fill zone of area 6, and flows in a southwesterly direction. PCBs were found in the sediments of the creek (at levels up to 360 ppm). The storm sewer line was traced from the outfall adjacent to Area 6 back to the vault room floor drain in Cheney Hall. Samples obtained from the concrete floor and drain of Cheney Hall revealed PCB contamination at levels between 30,000ppm and 200,000 ppm respectively. An RI/FS consent order has been executed. An IRM, prior to the RI, removed a section of the broken storm sewer line and associated PCB contaminated soil. The completed RI field work indicates that Area 6 is not the disposal site nor is it contributing to the contamination in the wetland. A second IRM to remove the PCB contaminated sediment from the wetlands and to divert the tributary was completed in January 1998. IRM #3 , for removal and replacement of the Cheney Building vault room floor was completed in July 1999. A ROD that selected no further remedial action upon completion of IRM # 3 was executed in March 1998. Still to be resolved is the disposition of the lead contaminated soil in the northeast section of this 700 plus acre site.

Confirmed Hazardous Waste Disposal:	**Quantity:**
PCBs (B007 Waste)	unknown

Analytical Data Available for:	**Groundwater**	**Surface Water**	**Soil**	**Sediment**
Applicable Standards Exceeded in:	**Drinking Water**			
Geotechnical Information:			Depth to	
Soil/Rock Type: **Till over shale.**			Groundwater: **Range: 5 to 80 feet.**	

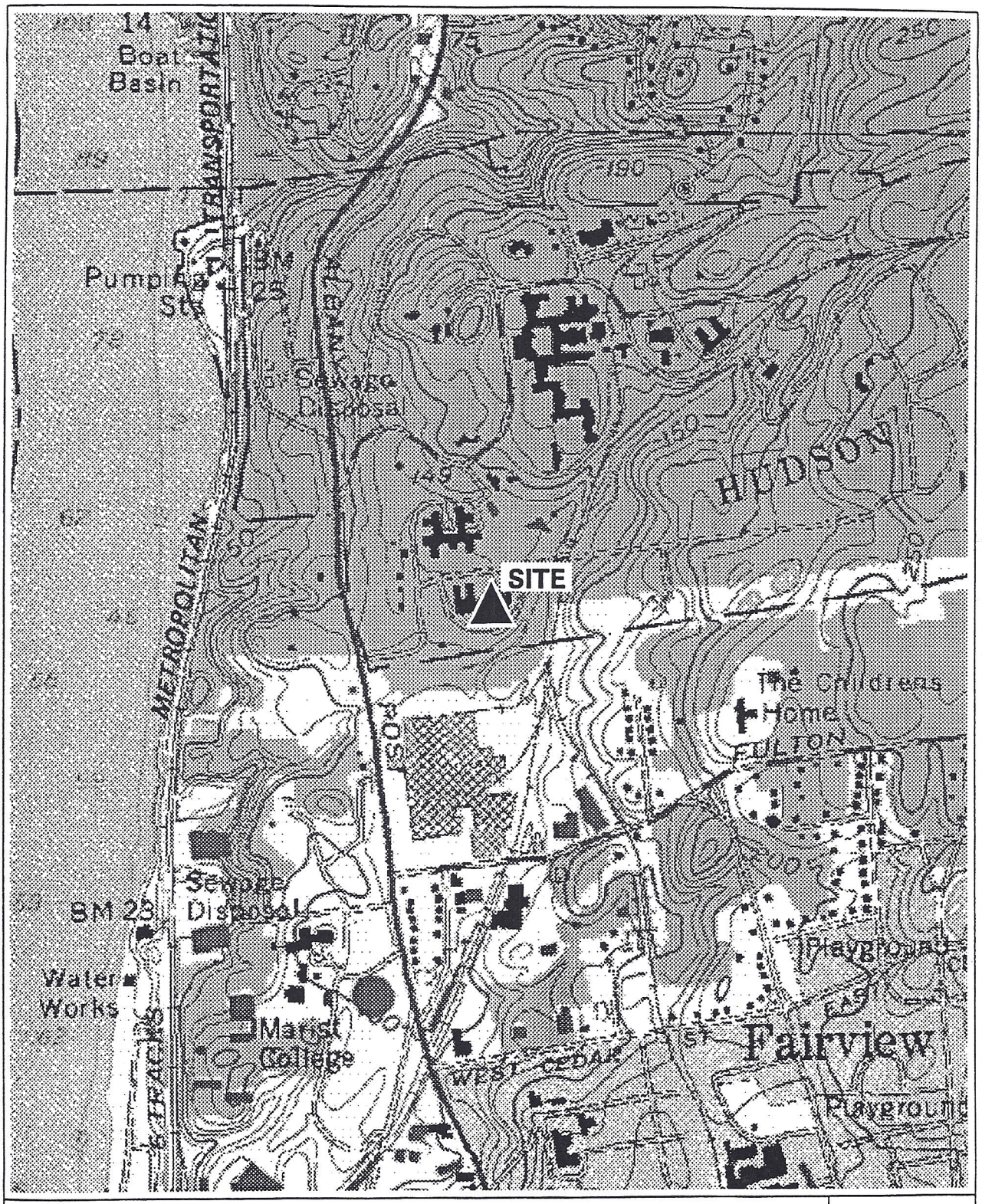
Legal Action: Type: **State Consent Order**		Status:	**Order Signed**
Remedial Action: **Complete**	Nature of action:	**Stormdrain and soil removal**	

Assessment of Environmental Problems:

PCB contaminated sediment in the creek near Area 6 was. The vault room PCB contaminated floor in the Cheney Building has been replaced. Additional investigation of lead found in a fenced-off area northeast of Area 3 is required.

Assessment of Health Problems:

The PCB contaminated stream and fill area was fenced to prevent patients and staff from contacting contaminated soils and sediment prior to and during remediation. The fence was removed upon completion of remedial activities. PCB contaminated soils surrounding the storm drain system were excavated and the contaminated storm drain lines were cleaned or replaced. The PCB source area, (Cheney Building's electrical transformer room) was remediated via removal and replacement of the PCB-contaminated floor. Groundwater has not been impacted by this site.



Site Location Map

314063 Hudson River Psych. Center (HRPC)

Map source: USGS 1:24,000-scale topographic quadrangles

N

0 250 500 750 1000
FEET

Scale 1:12,000
April 1, 2000

County: Dutchess

AGUJ 3 113

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 3
00 White Plains Road – 5th Floor, Tarrytown, New York 10591-5805
Phone: (914) 332-1835 • FAX: (914) 332-4870
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

May 30, 2001

SCOTT BARD
NEW YORK STATE OFFICE OF MENTAL HEALTH
BUREAU OF CAPITAL OPERATIONS
CAPITAL DISTRICT PSYCHIATRIC CENTER UNIT (
75 NEW SCOTLAND AVENUE
ALBANY NY 12208

Post-it® Fax Note 7671	Date 5/31/01 # of pages ▸ 4
To SCOTT BARD	From FRANK KELLY
Co./Dept. OMH	Co. NYSDEC
Phone #	Phone # (845) 256-3131
Fax # (518) 473-7128	Fax #

Re: Hudson River Psychiatric Center: Landfill Characterization Investigation Report

Dear Scott:

The New York State Department of Environmental Conservation (DEC) has reviewed the Hudson River Psychiatric Center Landfill Characterization Investigation Report dated January 2001 and correspondence dated May 15, 2001 from David Santoro of EA to Scott Bard of OMH. The Report was prepared by EA Engineering, P.C. of Newburgh, New York on behalf of the New York State Office of Mental Health (OMH). The DEC visited the site with representatives of EA and OMH on April 9, 2001 as part of the technical review.

The Report includes detailed investigations on seven separate solid waste management facilities at the Hudson River site. The DEC accepts the investigation findings as a guideline for evaluating environmental concerns at the facility. The technical review focused on determining the steps necessary to address the identified environmental concerns and to bring the facility into environmental compliance. This correspondence will not comment on each technical aspect of the Report because it is beyond the scope of review. The DEC will gladly discuss any specific concerns regarding the investigation and Report following receipt of this document.

The Report addresses seven areas of environmental concern on the Hudson River P.C. property. Areas of environmental concern 1, 2, 3, 5 and 6 in the Report were previously identified in the Phase I and Phase II Reports prepared for the DEC in 1986 and 1991 respectively. Areas of environmental concern 7 and 8 were identified following Phase II Investigation. Area of environmental concern number four is located beyond the current Hudson River Center property boundary and it is not subject to this Report and technical review.

Conceptual Landfill Closure Criteria: According to correspondence from New York State Department of Mental Hygiene to the New York State Department of Law dated February 11, 1975 it appears that the Hudson River facility stopped waste disposal activities in 1975 (Phase II Investigation, Appendix A, ref. 10). It also appears that this decision was at least partially made in response to the Notice of Hearing from the Dutchess County Department of Health (DCDOH) to the New York State Department of Mental Hygiene dated January 7, 1975 (Phase II Investigation, Appendix A, ref. 8). At some time in 1975 a soil cover was placed on the landfills with the intent of complying with the applicable final cover requirements.

Scott Bard May 30, 20

~~Harlem Valley~~ P.C. Landfill Characterization Investigation Report

HR

This sequence of events is compatible with the aerial photography and site background evaluation in Report with the exception of Area 2.

The DCDOH in the January 1975 Notice required the Hudson River State Hospital to among other things comply with the following 6NYCRR Part 360 regulation, effective September 1, 1973:

"That no refuse shall be deposited in such a manner that refuse and leachings from it shall cause and contribute to condition and contravention of the classification and standards of quality and purity of the waters of the State of New York established, adopted and so assigned pursuant to Section 17-0301 of the Environmental Conservation Law and derivative statutes relative thereto."

Mitigating leachate seepage into surface water bodies, minimizing adverse impacts to the local ground water quality and properly covering the Hudson River Psychiatric Center landfills were required to close these disposal sites and comply with the Environmental Conservation Law. These criteria will be used to evaluate closure requirements for the landfills listed below. One method for complying with these criteria is to install a final cover system with appropriate leachate collection and treatment measures in accordance with the Part 360-2 regulations, effective December 31, 1988. The DEC would also consider alternative landfill closure designs to mitigate leachate seepage, improve ground water quality and keep the waste from being exposed based on site-specific facility characteristics.

In addition, the DEC requests OMH to incorporate a provision in the property deed clearly indicating the horizontal extent of the landfills, the period of time the landfill accepted wastes, and the types of waste in the landfill. This provision should also state that change of use or construction on the landfill requires prior DEC approval. The notice should be filed with the Dutchess County Clerk.

According to Table 15 of the Report the conceptual landfill closure requirements for each area except for the C&D Landfill (Area 2) is two feet of final cover and post-closure monitoring. The DEC respectfully disagrees with the suggestions listed in Table 15 because they do not take into account the surface water and ground water quality concerns identified in the Report. Site specific conditions and closure requirements are discussed below for your information and action.

Area One (Golf Course Landfill): This landfill is less than two acres in size and it is located beneath a portion of the facility golf course on the northwestern portion of the facility. On April 9th, during the landfill investigation, and the Phase II investigation in 1990 leachate seeps were observed along the north end of the landfill and entering an unnamed Hudson River tributary. Based on the May 2000 sampling round the leachate contains high concentrations of ammonia, arsenic, chemical oxygen demand (COD), iron and manganese. The detected concentrations of iron are in excess of the 6NYCRR Part 703 class "D" standard for iron. The local ground water quality has also been adversely impacted by solid waste leachate. The Report states that the local ground water contains elevated concentrations of ammonia, chlorobenzene, 1,4-dichlorobenzene, iron and manganese in excess of the corresponding 6NYCRR Part 703 standards. Closure of the Golf Course Landfill must include provisions to eliminate or properly manage the observed leachate discharges and ground water degradation.

Scott Bard May 30, 2001
~~Harlem Valley~~ P.C. Landfill Characterization Investigation Report
HR

Area Two (C&D Debris Landfill): The Area 2 landfill appears to predominantly contain construction & demolition debris and it is located in the northeastern portion of the facility. According to the Report this landfill accepted solid waste until 1999. This landfill will be discussed in subsequent correspondence regarding the facility.

Area Three (Ballfield Landfill): This landfill is located on the southeastern portion of the facility adjacent to the baseball field. The Ballfield Landfill accepted municipal solid waste and it is approximately nine acres in size. Leachate seeps were observed in a wetland south of the landfill during the Phase II Investigation, as part of the investigation and during the April 9th-site visit. The leachate contains high concentrations of ammonia, COD, copper, iron, lead and manganese based on sampling data collected by EA in May 2000. The detected concentrations of copper and iron are in excess of the corresponding 6NYCRR Part 703 class "D" standards. The local ground water quality has also been adversely impacted by solid waste leachate. According to the Report, the local ground water contains elevated concentrations of ammonia, benzene, 1,2-dichloroethene, iron and manganese in excess of the 6NYCRR Part 703 standards. Closure of the Ballfield Landfill must include provisions to eliminate or properly manage the observed leachate discharges and ground water degradation.

Area Four: The landfill is reportedly located beyond the current facility property boundaries and it is not subject to this correspondence.

Area Five (Chapel Landfill): This landfill is approximately 8.5 acres in size and it is located south of the Chapel and west of the Ballfield Landfill. The Chapel Landfill accepted primarily coal ash and municipal solid waste. On April 9th the landfill was covered, well vegetated and without significant leachate seepage. These observations are consistent with data provided in the Report and the Phase II Investigation. The Report and the Phase II Investigation do not indicate any significant ground water impacts from the Chapel Landfill. Based on these findings it appears that the Chapel Landfill was closed in accordance with the DCDOH closure criteria listed in January 1975 Notice and no further action is required.

Area Six (Ryon Hall Landfill): This landfill is approximately 2.5 acres in size and it is located on the southwestern end of the site near the Home Depot parking lot. A cleanup of PCB contaminated materials was completed at the Ryon Hall Landfill by OMH and the DEC. During the April 9th site visit the DEC observed some leachate entering an unnamed creek located immediately south of the landfill and some exposed coal ash. Leachate seepage from the landfill was also identified in the Report. The leachate contains elevated concentrations of iron in excess of the corresponding State water-quality standard based on sampling data collected by EA in May 2000. Elevated concentrations of landfill decomposition gases emanating from the landfill were detected. Based on correspondence from EA to Scott Bard of OMH dated May 15, 2001 elevated landfill decomposition gas levels do not extend to the buildings located near the Ryon Hall Landfill. Closure of the Ryon Hall Landfill must include provisions to mitigate concerns associated with the leachate seepage and the exposed waste.

Area Seven: This area of environmental concern is located in the north-central portion of the site located near the power plant. The Report included Area 7 as a potential environmental concern based on reports

that waste material may have been disposed of at this location. The ten test pits completed in Area 7 didn't encounter any solid waste except for minor amounts of coal ash near the ground surface. The Report recommends no further action at Area 7. This recommendation is acceptable to the DEC.

Area Eight (Water Tower Landfill): This landfill is approximately two acres in size and it is located on the eastern end of the site near a water tower. On April 9th, coal ash, other non-putrescible waste, and a few 55-gallon drums were observed at the Water Tower Landfill. A leachate sample collected by EA in June 2000 detected elevated concentrations of iron and potentially thallium in excess of the corresponding State water-quality standards.

Additional information is necessary prior to determining the required landfill closure actions. Please conduct an investigation to determine if the 55-gallon drums contain any waste materials and the nature of these waste materials. Following completion of the drum investigation the DEC will determine the necessary closure measures for the Water Tower Landfill. **Please submit a Water Tower Landfill Drum Investigation and Characterization Report to the DEC by July 30, 2001.**

Closure Plan: Please submit a closure plan to address the environmental concerns associated with the Golf Course Landfill, the Ballfield Landfill, the Ryon Hall Landfill and the Water Tower Landfill. These landfills are known as Areas 1, 3, 6 and 8 in the Report. The DEC is particularly concerned about mitigating the leachate seepage areas from the site. Leachate seepage mitigation should be the primary objective for closing the above landfills. **The Closure Plan should be submitted to Frank Kelly of the DEC in the Region 3 office in New Paltz and Andrew D. Lent at the DEC Tarrytown office by October 30, 2001.**

If you have any questions, need additional information or desire a meeting to discuss the facility closure options please don't hesitate to call me at (914) 332-1835 extension 321.

Sincerely,

Francis J. Kelly
Francis Kelly
Environmental Engineer I

for Andrew D. Lent
Engineering Geologist II

cc: R. Buckey (DASNY)
R. Gecsedi, P.E. (DASNY)
D. McClure (EA Engineering)

DORMITORY AUTHORITY — STATE OF NEW YORK
515 Broadway, Albany, New York 12207-2964
(518) 257-3000
Fax: (518) 257-3100

Fax Cover Sheet

Date: September 23, 2002 **Time: 11:52 AM**

To:	Richard Chazen		
Company:	Chazen Companies		
Telephone No.	845 454 3980	**Facsimile No.**	845 454 4026

From:	Richard J. Buckey		
Telephone No.	518 257 3239	**Facsimile No.**	518 257 3435
Pages (Including This Cover Sheet)	7		

Comments:

Richard,

Transmitted is a copy of a letter from the DEC regarding the Hudson River PC Landfills. Please note they are expecting a conceptual closure plan by November 20, 2002 for Area 6. If you have any questions, please contact me.

Rich

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 3
21 South Putt Corners Road, New Paltz, New York 12561-1696
Phone: (845) 256-3150 FAX: (845) 255-2987

Erin M Crotty
Commissioner

March 20, 2002

Mr. Brian Neumann, CPG
IT Corporation
13 British American Boulevard
Latham, NY 12110-1405

REF: Spill No.: 00-03132
Location: Garage Bldg 99
Hudson River Psychiatric Center
Poughkeepsie, NY County: Dutchess

Dear Mr. Neuman:

The NYS Department of Environmental Conservation's Bureau of Spill Prevention and Response has reviewed your March, 2002 ,Subsurface Investigation Report for the above referenced spill site. Based on the information contained in this report, this Bureau will require no further action with reference to this spill at this time.

If you have any questions, please contact this writer at (845) 256-3150

Sincerely,

Melissa Mastro
Region 3 - Spills

cc: V. McCabe
J. Carter - DCDOH
J. Alesi - NYSOGS

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9551 • **FAX:** (518) 402-9020
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

JUL 24 2002

Mr. James Regan
Director
Hudson River Psychiatric Center
Branch 6, 373 North Road
Poughkeepsie, NY 12601

Dear Mr. Regan:

Re: DEC Site No.: 314063
Site Name: Hudson River Psych. Center (HRPC)
Site Address: Route 9, Poughkeepsie, NY 12601

As mandated by Section 27-1305 of the Environmental Conservation Law, the New York State Department of Environmental Conservation (Department) must maintain a registry of all disposal sites known to contain hazardous wastes. It is this Department's policy to notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part-owner of the above-referenced site. Based on the information that has been gathered to date, the Department has concluded that this site has been properly remediated and that no further action is required. Therefore, this letter constitutes notification of the Department's intention to delist this site from the Registry of Inactive Hazardous Waste Disposal Sites in New York State. State laws require that the Department set a 60-day public notification period of our intention to delist a site from the Registry, and receive any public comments on the proposed deletion. At the conclusion of this period, if no new information is presented, this site will be removed from the Registry. If we receive any information which causes us to reconsider this deletion, you will be notified of this change.

If you have any further questions, please contact me at (518) 402-9563.

Sincerely,

Dennis J. Farrar
Chief
Site Control Section

New York State Department of Environmental Conservation

Division of Solid and Hazardous Materials, Region 3

200 White Plains Road – 5th Floor, Tarrytown, New York 10591-5805
Phone: (914) 332-1835 · **FAX:** (914) 332-4670

Website: www.dec.state.ny.us

September 20, 2002

SCOTT BARD
NEW YORK STATE OFFICE OF MENTAL HEALTH
BUREAU OF CAPITAL OPERATIONS
CAPITAL DISTRICT PSYCHIATRIC CENTER UNIT Q
75 NEW SCOTLAND AVENUE
ALBANY NY 12208

Re: Hudson River Psychiatric Center: July 2002 Landfill Characterization Investigation Report

Dear Scott:

The New York State Department of Environmental Conservation (DEC) has reviewed July 2002 Hudson River Psychiatric Center Landfill Closure Investigation Report (CIR) for Areas 1, 2, 3, 6 and 8. The July 2002 Report was submitted by EA Engineering of Newburgh, New York on behalf of the Dormitory Authority of the State of New York and the Office of Mental Health (OMH). The July 2002 Report is a supplement to the January 2001 Landfill CIR to address concerns raised in the DEC's May 30, 2001 correspondence. The May 30th letter requested OMH to submit a Water Tower Landfill Investigation and Characterization Report for Area 8 by July 2001. The July 2002 Report includes the requested Characterization Report. The July 2002 Report does not include the requested Closure Plan for the on-site landfills requiring further action.

Based on our September 19, 2002 conversation, it is our understanding that OMH is planning to transfer portions of the Hudson River Psychiatric Center in the very near future. The subject property includes Areas 1 and 6. As stated in our May 30th letter disposal of solid waste at both of these landfills has resulted leachate discharge in violation of the Environmental Conservation Law (ECL) and the State Surface Water Quality Standards. These violations must be corrected. You indicated that plans are being developed to address these violations at Areas 1 and 6. These plans reportedly focus on minimizing contact between the disposed of solid waste and the ground water or surface water bodies. **Please submit a conceptual closure plan for Areas 1 and 6 to the DEC by November 20, 2002.** The Plans may be submitted to the DEC by OMH and/or the prospective purchaser of the property. The involved parties must also enter into a binding legal agreement with the DEC to ensure that the reported violations are adequately corrected and the corresponding remedial systems are monitored and maintained in accordance with the Environmental Conservation Law and the Part 360 regulations.

The July 2002 Report confirms that additional actions are necessary to bring Areas 2, 3 and 8 into environmental compliance. **Please submit a conceptual closure plan to bring these three solid waste landfills into environmental compliance to DEC by March 1, 2003**. Guidance for preparing acceptable conceptual closure plans are listed in Part 360-2.15(b)(1) and (2).

The DEC has a number of technical comments regarding the July 2002 Report. The comments and concerns are listed in the attached technical comments document. Please respond to each of these technical comments by **November 20, 2002.** The response document may be submitted with the Areas 1 and 6 Closure Plan or as a separate document.

The DEC requested OMH to submit a closure plan for Areas 1, 2, 3, 6 and 8 by October 30, 2001. This plan was not submitted to DEC. Please submit a conceptual closure plan for Areas 1 and 6 by November 20, 2002. Please also submit a conceptual closure plan for Areas 2, 3 and 8 by March 20, 2003. The DEC recognizes that OMH has worked responsively to investigate and address the various environmental concerns at the Hudson River Psychiatric Center, but failure to submit the above documents within the time frames requested above may compel the Department to seek enforcement action to achieve environmental compliance.

If you have any questions, need additional information or desire a meeting to discuss the facility closure options please don't hesitate to call me at (914) 332-1835 extension 321.

Sincerely,

-ADL-
Andrew D. Lent
Engineering Geologist II

cc: R. Buckey (DASNY)
D. McClure (EA Engineering)

GW-cc: V. Altieri
R. Baldwin
D. D'Ambrosio
P. John
F. Kelly
B. Maglienti
M. Moran
R. Pergadia
J. Rashak
J. Swartwout

Hudson River Psychiatric Center
July 2002 Landfill Closure Investigation Report Areas 1, 2, 3, 6 and 8
Technical Comments Document

The New York State Department of Environmental Conservation (DEC) has reviewed July 2002 Hudson River Psychiatric Center Landfill Closure Investigation Report (CIR) for Areas 1, 2, 3, 6 and 8. The July 2002 Report was submitted by EA Engineering of Newburgh, New York on behalf of the Dormitory Authority of the State of New York and the Office of Mental Health (OMH). The July 2002 Report is a supplement to the January 2001 Landfill CIR to address concerns raised in the DEC's May 30, 2001 correspondence.

1. Hazardous Waste Characterization (Areas 2 and 8): One of the July 2002 Report objectives was to determine whether hazardous waste was disposed of in Areas 2 and 8. The DEC Division of Environmental Remediation has reviewed the Report and determined that hazardous waste was not disposed of in Areas 2 and 8. These landfills may be closed and remediated as solid waste management facilities under the jurisdiction of the DEC Division of Solid and Hazardous Materials.

2. Conclusions: The July 2002 Report concludes that Areas 1, 2, 3, 6 and 8 should be closed under the 6 NYCRR Part 360 solid waste regulations, but it doesn't include a plan in response to this conclusion. As stated in the attached cover letter please submit a conceptual closure plan for Areas 1 and 6 to the DEC by November 20, 2002, and a conceptual closure plan for Areas 2, 3 and 8 by March 1, 2003.

OK 3. Well Logs: The well logs included in Appendix D of the July 2002 Report don't include the measured depth to water and the elevation of all well features. Pursuant to Part 360-2.11(a)(10)(i) and (iii) please include this information in revised well logs. The elevation data should be recorded in feet above mean sea level. In addition, the Report should include the piezometer log for PZHR8-4.

Needs Response 4. Well Construction: Eight of the installed monitoring wells (MWHR1-5, MWHR2-8, MWHR2-9, MWHR2-10, MW-3-12, MWHR6-22, MWHR8-1 and MWHR8-2) were completed across the interface of the unconsolidated and the bedrock aquifers. In general, installation of monitoring wells to screen across separate water bearing zones is unacceptable because interpretation of the corresponding hdyrogeologic data becomes problematic. The DEC is concerned that data from these wells may not accurately reflect the physical or chemical characteristics of either unit. Utilizing these wells for long-term monitoring purposes is unacceptable. Please be prepared to install replacement monitoring wells that are screened into either the bedrock or the unconsolidated aquifers and abandon the above eight monitoring wells as part of closure of the corresponding landfill.

5. Monitoring Well Development: The primary well development objectives are to remove drilling fluids and sediment from the well filter pack, and to facilitate a strong hydraulic connection between the well and the aquifer (Driscoll, Groundwater and Wells, 2nd ed. Pp. 725-726). The well development forms indicate that monitoring wells MWHR-1-5, MWHR2-8, MWHR2-9, MWHR6-20 were not fully developed to meet these objectives. The last measured turbidity reading at these locations was greater than 999 N.T.U. Please consider redeveloping these monitoring wells to encourage collection of low turbidity ground water quality samples in the future. The July 2002 Report doesn't include a well

development sheet for piezometers PZHR8-3 and PZHR8-4. If these piezometers were not developed please develop them to ensure a strong hydraulic connection between the well and the unconsolidated aquifer.

The monitoring wells installed as part of this landfill investigation phase utilized a relatively coarse sized number 1 silica filter pack. Selection of this sized filter pack may contribute to difficulty obtaining representative low turbidity water from the formation. Please consider utilizing a finer grained size number "0" silica filter pack for any future monitoring wells installed into the glacial till or fine-grained lacustrine sediments water bearing units.

6. Ground Water Sampling Locations: The July 2002 Report includes water quality sampling data from only one location at Area 1. The location is upgradient of the Area 1 landfill. The benefit of this data without concurrent downgradient water-quality data is questionable. Each ground water sampling round should include a representative number of downgradient and upgradient sample locations for each water-bearing unit. Please conduct a complete round of ground water sampling for Areas 1, 2, 3, 6 and 8 by November 20, 2002. The ground water quality samples may be analyzed for the routine suite of parameters listed in Part 360-2.11(d)(6). **Please provide a resulting water quality sampling report to DEC by January 20, 2003.**

7. Water Quality Sampling Parameters: Part 360-2.15(a)(1)(iii) requires a hydrogeologic investigation to include ground water sampling for the baseline suite of parameters. The July 2002 Report states that ground water from monitoring wells MWHR2-8, MWHR2-9 and MWHR8-4 were not sampled for the full suite of baseline parameters listed in Part 360-2.11(d)(6). Please analyze samples collected from these wells for the baseline suite of parameters during the next round of ground water sampling.

8. Ground Water Sample Alteration: Six of the collected ground water samples were altered prior to conducting analytical analysis of these samples. The sample alteration consisted of filtering the sample with a 0.45 micron filter. Altering samples prior to conducting analytical analyses is not acceptable without specific prior written approval of the DEC. No approval was given by the DEC. The July 2002 Report states that sample alteration was conducted because the ground water samples at selected locations were excessively turbid. Collection of turbid ground water samples may be indicative of poor monitoring well design, inadequate well development, overly aggressive samples techniques instead or a characteristic of the ground water underlying the site. Please consider redeveloping the subject wells and modifying the sample collection methods in an effort to minimize artificially induced ground water turbidity in the future. Please also refrain from filtering ground water samples or other methods of sample alteration. Finally, please sample monitoring wells MWHR1-5, MWHR2-9, MWHR6-20, MWHR6-22. MWHR8-2 and MWHR8-4 again for the routine suite of parameters plus the baseline suite of inorganic parameters listed in Part 360-2.11(d)(6).

9. Area 1 Water-Table Elevations: Figure 3 of the July 2002 Report includes calculated water-table contour elevations based on the monitoring well data obtained near Area 1 (Golf Course Landfill) and

surface water data. The July 2002 Report doesn't appear to include data collected from the test pit excavations completed in and around the landfill to determine the calculated water-table contours. The DEC recommends that OMH use the test pit excavation data to refine the calculated water-table contour elevations and resulting ground water flow directions. Based on this refinement please submit a revised water-table contour map for Area 1.

10. Area 2 Water-Table Elevations: Figure 4 of the July 2002 Report states that the water-table elevations or the potentiometric surface elevations at monitoring wells MWHR2-9 and MWHR2-10 are greater than 10 feet above the ground surface. The reported potentiometric surface elevation at these monitoring wells indicates that these wells should be flowing artesian wells. Please verify whether this information is accurate and modify the figure accordingly. If these monitoring wells are discharging water to the ground surface, then please modify the well construction to eliminate this discharge immediately.

11. Ground Water Elevations Area 3: Figure 5 of the July 2002 Report indicates that the water table or potentiometric surface elevation is above the ground surface for the southeastern portion of Area 3 (Ballfield Landfill). Please verify the reported water-table elevations and modify the figure accordingly.

12. Area 6 Sodium Chloride Ground Water Impacts: The reported sodium and chloride concentrations from a sample collected in April 2002 at monitoring well MWHR6-22 are much greater than other nearby monitoring wells. A comparison ground water quality at monitoring well MWHR6-22 compared to other Area 6 monitoring wells for selected parameters is listed below.

Selected April 2002 Area 6 Ground-Water Quality Data

Parameter	State Ground Water Quality Standard	Monitoring Well MWHR-6-22	Mean at Wells MWHR6-20 & 6-21
Sodium	20 parts per million (ppm)	543 ppm	77.8 ppm
Chloride	250 ppm	1,400 ppm	135 ppm
Ammonia	2 ppm	0.8 ppm	4.8 ppm
Chemical Oxygen Demand	None	5 ppm	125 ppm
Total Organic Carbon	None	2.1 ppm	11.2 ppm

A review of the April 2002 ground water quality data summarized above illustrates that the relative concentrations of sodium and chloride are much higher at well MWHR6-22 than reported at the other

well locations. The reported concentrations of other landfill leachate indicator parameters such as ammonia, chemical oxygen and total organic carbon are generally much lower at well MWHR6-22 than the other Area 6 wells. In addition, well MWHR6-22 is located upgradient of most of the Area 6 Landfill (Ryon Hall Landfill). This information suggests that the elevated concentrations of sodium and chloride may be attributed to a source other than the Ryon Hall Landfill. Please evaluate other potential sources of sodium and chloride discharges into ground water near monitoring well MWHR6-22. Based on the evaluation results please initiate measures to prevent further discharges of sodium and chloride into the local ground water aquifer.

13. Saturated Solid Waste: Test pit excavation data included in the July 2002 Report indicates that a portion of the Areas 1, 2 and 8 landfills contain solid waste below the seasonally high water table. The July 2002 Report also indicates that a portion of the Area 3 and 6 landfills may include saturated solid waste below the corresponding seasonally high water-table elevation. The requested closure plans for these areas should include measures to mitigate concerns associated with disposal of solid waste within the uppermost water table aquifer.

14. Wetland Disturbance: The July 2002 Report indicates that a portion of the Area 3, 6 and 8 landfills are located within a wetland. The July 2002 Report also indicates that the Area 2 landfill (C&D Debris Landfill) is located immediately adjacent to a wetland. The requested closure plans should address disturbance and potentially restoration of these wetlands in accordance with State and Federal regulations.

New York State Department of Environmental Conservation
Office of General Counsel
625 Broadway, Albany, New York 12233-5550
Phone: (518) 402-9512 • **FAX:** (518) 402-9019
Website: www.dec.ny.gov

Joe Martens
Commissioner

October 12, 2011

Gary Friedland
Hudson Heritage CPCR Ventures, LLC
c/o Arbor Hills Realty, Inc.
68 Pines Bridge Road
Bedford Corners, New York 10549

Re: Hudson River Psychiatric Center Site, Site # V00657

Dear Mr. Friedland:

Unless otherwise specified in this letter, all terms used in this letter shall have the meaning assigned to them under the terms of the Voluntary Cleanup Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and Hudson Heritage CPCR Ventures, LLC ("Volunteer"), Index No.W3-0969-03-07 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's Work Plan(s) relative to the approximately 2.29 acres property located within 373 North Road, Town of Poughkeepsie, Dutchess County, New York and more particularly described in Appendix "A" to the Declaration of Covenants and Restrictions concerning such property dated March 23, 2011(a/k/a Landfill Area 6) (the "Site"),[1] has been successfully implemented.

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release and covenant not to sue, and shall forbear from bringing any action, proceeding, or suit pursuant to the Environmental Conservation Law, the NL or the State Finance Law, and from referring to the Attorney General any claim for recovery of costs incurred by the Department, against

[1] The Declaration of Covenants and Restrictions was filed with the Dutchess County Clerk on August 18, 2011.

Volunteer and Volunteer's lessees and sublessees, grantees, successors, and assigns, and their respective secured creditors, for the further investigation and remediation of the Site, and for natural resource damages, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate deed restrictions remain recorded in accordance with Paragraph X of the Agreement, and (c) Volunteer and/or its' lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Work Plan providing for PCOM&M, if any.[2] Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release and covenant not to sue shall not extend to any further investigation or remedial action the Department deems necessary:

- due to off-Site migration of petroleum;
- due to environmental conditions or information related to the Site which were unknown at the time this Release and Covenant Not to Sue was issued and which indicate that the Contemplated Use cannot be implemented with sufficient protection of human health and the environment;
- due to Volunteer's failure to implement the Agreement to the Department's satisfaction; or
- due to fraud committed by Volunteer in entering into or implementing this Agreement.

Additionally, the Department and the Trustee hereby reserve all of their respective rights concerning, and any such release and covenant not to sue shall not extend to Volunteer nor to any of Volunteer's lessees, sublessees, successors, or assigns who cause or allow a release or threat of release at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination; or cause or allow the use of the Site to change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to any of Volunteer's lessees, sublessees, successors, or assigns who are otherwise responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same resulting solely from the Agreement's execution.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department or the Trustee, the one seeking the benefit of this release and covenant not to sue

---

[2] On September 26, 2011, the Department approved a Site Management Plan for the Site dated June 2011 and signed and submitted to the Department in July 2011.

shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this letter shall be construed or deemed to preclude the State of New York from recovering such claim.

- except as provided in this letter and in Agreement, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, the right to recover natural resources damages) with respect to any party, including Volunteer.

- nothing contained in this letter shall prejudice any rights of the Department or Trustee to take any investigatory or remedial action it deems necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement under the terms of the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND TRUSTEE OF NEW YORK STATE'S NATURAL RESOURCES

By:

Chief, RCRA and Hazardous Waste Enforcement Bureau

ec: Joshua Cook
G. Heitzman
M. Ryan
A. Tamuno
George Rodenhausen, Esq.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of Violations of Articles 17 and 27 of the Environmental Conservation Law, and Parts 360 and 703 of Title 6 of the New York Codes, Rules, and Regulations committed by

New York State Office of Mental Health

Respondent.

ORDER ON CONSENT

Case No. 3-20030110-4

WHEREAS,

1. The New York State Department of Environmental Conservation ("DEC" or "Department") is an agency of the State of New York with jurisdiction over the environmental policy and programs of the State pursuant to the provisions of the New York State Environmental Conservation Law ("ECL") and Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York ("6 NYCRR").

2. The Department is charged with jurisdiction over the management of solid waste pursuant to Article 27 of the ECL and 6 NYCRR Part 360, and jurisdiction to abate and prevent the pollution of waters of the state pursuant to Article 17, Title 3, of the ECL.

3. Respondent **New York State Office of Mental Health** (hereinafter "OMH") is an agency of the State of New York with offices at 75 New Scotland Avenue, Albany, New York 12208. Use of the terms Respondent(s) shall refer exclusively to OMH. OMH is the owner and operator of the Hudson River Psychiatric Center, including several landfills situated on various Areas (1, 2, 3 and 8) thereof, located on Route 9 in the Town of Poughkeepsie, Dutchess County, New York.

4. Area 1 (hereinafter the "Site" or the "Facility"), which is known as the Golf Course Landfill, is an area of approximately 1.6 acres that is situated beneath the green of Hole No. 7 at the Whispering Pines Golf Course. The Area 1 landfill contains approximately 20,000 cubic yards of solid waste.

5. ECL § 17-0501 states that "[i]t shall be unlawful for any person, directly or indirectly, to throw, drain, run or otherwise discharge into such waters organic or inorganic matter that shall cause or contribute to a condition in contravention of the standards adopted by the department pursuant to section 17-0301."

6. ECL § 17-0301 provides for the promulgation of state standards for the "quality and purity of the waters" of the State. Accordingly, water quality standards for surface waters and groundwater are set forth at 6 NYCRR Part 703.

7. In addition to prohibiting pollution that would contravene applicable water quality standards, Article 17 establishes a permit program applicable to all pollutants into state waters from pipes and other point sources regardless of the impact of such pollution on receiving waters. Thus, ECL § 17-0803 makes it illegal for any "person to discharge pollutants to the waters of the state from any out let or point source" without a State Pollutant Discharge Elimination System (SPDES) permit. ("Pollutant" is defined broadly and includes "solid waste.")

8. 6 NYCRR § 360-1.14, which sets forth the operational requirements for all solid waste management facilities, provides that "[s]olid waste must not be deposited in, and must be prevented from, entering surface waters or groundwaters" (6 NYCRR § 360-1.14(b)(1)), and further provides that:

> All solid waste management facilities must be constructed, operated and closed in a manner that minimizes the generation of leachate that must be disposed of and prevent the migration of leachate into surface and groundwaters. Leachate must

not be allowed to drain or discharge into surface water except pursuant to a [SPDES] permit and must not cause or contribute to contravention of groundwater quality standards established by the department pursuant to ECL section 17-0301. [6 NYCRR § 360-1.14(b)(2).]

9. Based on, *inter alia*, prior investigations by the Department's Division of Environmental Remediation in 1986 and 1991, and OMH's Landfill Closure Investigation Report for Landfill Areas 1, 2, 3, 6, and 8 submitted to the Department on July 16. 2002, and the Department Staff inspections, Department Staff determined that the following violations exist at the Site:

A. Violation of ECL §§ 17-0501 and 17-0803, based on the discharge of solid waste leachate into an unnamed tributary of the Hudson River on February 26, 1987, on May 12, 2000, on April 9, 2001, and on April 10, 2002.

B. Violation of 6 NYCRR §§ 360-1.14(b)(1) and (b)(2), based on the disposal of solid waste in a manner that causes contravention of State Ground Water Quality Standards (for ammonia, chlorobenzene, 1,4-dichlorobenzene, iron, and manganese) on May *12,* 2000.

C. Violation of 6 NYCRR §§ 360-1.14(b)(1) and (b)(2), based on the disposal of solid waste in a manner that causes contravention of State Surface Water Quality Standards (for iron) on May 12, 2000.

10. Respondent OMH submitted a conceptual closure plan on February 19, 2003 to close Area 1 in accordance with 6 NYCRR §§ 360-2.15.

11. ECL § 71-1929 provides for the assessment of a civil penalty of up to $25,000.00 per day for each violation of titles 1 through 11 and title 19 of Article 17 of the ECL, or the rules, regulations, orders or determinations of the Commissioner promulgated thereto, and in addition provides that such violation may be enjoined.

12. ECL § 71-2703(1) provides for the assessment of a civil penalty of up to $7,500.00 plus $1,500.00 per day for each day that the violation continues, for each violation of any rule or regulation promulgated, or order issued, pursuant to Article 27 of the ECL, and in addition provides that such violation may be enjoined, and that the Respondents may be directed to cease the violation and reclaim and repair the affected site to a condition acceptable to the Commissioner.

13. Respondent has affirmatively waived its right to notice and hearing in the manner provided by law, and consent to the issuing and entering of this Order and agree to be bound by the terms, provisions and conditions contained herein.

NOW, THEREFORE, HAVING CONSIDERED THIS MATTER AND BEING DULY ADVISED, IT IS ORDERED THAT:

I. **Civil Penalty.** A civil penalty in the amount of $3,000.00 is hereby assessed against Respondent, which amount shall be suspended on condition that the Respondent complies with each term, provision and condition of this Order. In the event that Respondent fails to strictly and timely comply with any provision of this Order, and the annexed Schedule of Compliance, the suspended penalty shall be due and payable.

II. **Schedule of Compliance.** Respondent shall strictly comply with the terms of this Order and with the attached Schedule of Compliance, including any reports, plans, proposals and other submissions made pursuant thereto. The Schedule of Compliance and all such submissions are hereby deemed incorporated into this Order, upon approval by the Department if such approval is required, and shall be fully enforceable as part of this Order.

III. **Notice of Noncompliance.** In the event that the Department determines, in the Department's sole discretion, that the Respondent has failed to timely and fully comply with any provision of this Order, the Department may serve upon the Respondent a notice of noncompliance setting forth the nature of the violation(s). Service of such notice may be by personal service or by certified mail return receipt requested (restricted delivery not required) at the Respondent's addresses as specified in Paragraphs 3 and 4 of this Order, or, if such service is refused or cannot be completed, by ordinary mail.

IV. **Review of Notice of Noncompliance.** If DEC issues a notice of noncompliance, DEC shall provide Respondent the opportunity, upon written request made within **ten (10) business days** after the date of such notice, to meet with involved DEC staff to discuss the circumstances of issuance of the notice. A request for a meeting shall not suspend or otherwise affect Respondent's obligation to comply with all terms of this Order, including the notice of noncompliance, and shall not affect any obligation to pay penalties thereunder, which shall continue to accrue from the date of commencement of the violation for as long as the violation continues.

V. **Full Settlement.** Until fully remediated in accordance with this Order, all violations described above shall be considered continuing violations. The Department shall not institute any action or proceeding for penalties or other relief for the violations described above other than those actions and penalties set forth in this Order, for so long as Respondent remains in compliance with this Order. Any failure by Respondent to comply fully with the terms of this Order may subject the Respondent to further enforcement action for the violations described above. Compliance with this Order shall not excuse nor be a defense to charges of any violations of the ECL or any regulation or permit issued thereunder, which may occur subsequent to the date of this Order.

VI. **Submissions.** All reports and submissions herein required shall be made to the addresses specified in the attached Schedule of Compliance, with an additional copy to the attention of the DEC Region 3 Enforcement Coordinator, 21 South Putt Corners Road, New Paltz, New York 12561. Respondents shall be responsible for the content of any submissions made pursuant to this Order. Submission of any material containing assertions of fact shall be considered an affirmative representation by Respondent of the truth of such assertions. Respondents shall be in violation of this Order if any submission is of such poor quality that it does not constitute a good faith effort to comply with the provisions of this Order.

VII. **Review of Submitted Remedial Plans and Proposals.** After review of any remedial plan or proposal required by this Order and its Schedule of Compliance, the Department shall notify Respondent, in writing, of its approval or disapproval of the submission. If the Department approves the submission, Respondent shall implement it in accordance with its schedule and terms, as approved. If the Department disapproves the submission, the Department shall provide to Respondent written notice of its disapproval, specifying with reasonable particularity the grounds for disapproval. Within **fourteen (14) days** after Respondent receives written notice of disapproval, Respondent shall submit a revised submission which fully responds to each of the Department's specified grounds for disapproval. After the Department's receipt of Respondent's revised submission, the Department shall notify Respondent, in writing, of its approval or disapproval. If the Department approves the revised submission, Respondents shall implement it in accordance with its schedule and terms, as approved. If the revised submission is not approvable as submitted, the Department, at its option, may disapprove it or may approve it on condition that Respondents accept such modifications as may be specified by DEC to make it approvable. If the Respondent does not accept such modifications, the revised submission will be disapproved. If the Department disapproves the revised submission, the Respondent shall be in violation of this Order. Upon Department approval, a submission or revised submission shall be deemed incorporated into this Order.

VIII. **Notice of Work.** Respondents shall provide notice to the Department of any excavating, drilling, sampling, construction or start-up of equipment to be conducted pursuant to the terms of this Order, if any, at least **five (5) working days** in advance of such activities.

IX. **Inspections.** For the purpose of insuring compliance with this Order, and with applicable provisions of the ECL and regulations promulgated thereunder, representatives of this Department shall be permitted access to the Site

and to relevant records during reasonable hours, in order to inspect and/or perform such tests which the Department deems appropriate to determine the status of Respondents' compliance.

X. **Other approvals.** Respondents shall be obligated to obtain whatever permits, easements, rights of entry, approvals or authorizations that may be necessary in order to carry out their obligations under this Order. This Order shall not relieve the Respondents of the obligation to comply with any other laws, rules, or regulations of the State of New York or any other governmental authority which are applicable to Respondents' activities, nor preclude or limit such enforcement action as may be authorized by law for any such violation.

XI. **Other remedies.**

(A) Nothing contained in this Order shall be construed as barring, diminishing, adjudicating or in any way affecting:

(1) any legal, administrative or equitable rights, claims, actions, suits, causes of action or demands whatsoever that the Department may have against anyone other than the Respondents;

(2) the Department's right to enforce the Order administratively or at law or in equity, the terms, provisions and conditions of this Order against the Respondents, their directors, officers, employees, servants, agents, successors, and assigns in the event that the Respondents shall be in breach of the provisions hereof;

(3) the Department's right to bring any action, administratively or at law or in equity against the Respondents, their directors, officers, employees, agents, successors and assigns which the Department could otherwise maintain with respect to areas or resources that may have been affected or contaminated as a result of the release or migration of wastes from the Site or from areas in the vicinity of the Site, or to require that the Respondents take such additional measures as may be necessary for the protection of public health or the environment, including interim remedial measures;

(4) the Department's rights to commence any action or proceeding relating to or arising out of any disposal of hazardous wastes at the Site, as those wastes are defined by applicable regulation; or

(5) the Respondents' right to challenge any such action by the Department, whether by administrative hearing or otherwise, to the extent otherwise permitted by law.

(B) This Order shall not be construed to prohibit the Commissioner or the Commissioner's duly authorized representative from exercising any summary abatement powers, either at common law or as granted pursuant to statute or regulation.

XII. **Indemnification.** Respondents shall indemnify and hold the Department, the State of New York and their representatives harmless for all claims, suits, actions, damages, and costs of every name and description arising out of or resulting from the fulfillment or attempted fulfillment of this Order by the Respondents and/or any of Respondents' directors, officers, employees, servants, agents, successors and assigns.

XIII. **Modification.** This Order may not be modified except in a writing executed by the DEC Commissioner or the DEC Commissioner's authorized representative.

XIV. **Default.** The failure of the Respondents to comply fully and in a timely fashion with any provision of this Order shall constitute a default and a failure to perform an obligation under this Order and under the ECL, and shall constitute sufficient grounds for revocation of any permit, license, certification or approval issued to the Respondents by the Department.

XV. **Entire Agreement**. The provisions hereof shall constitute the complete and entire Order between the Respondents and the Department concerning the violations set forth above. No terms, conditions, understandings, or agreements purporting to modify or vary any term of this Order shall be binding unless made in writing pursuant to Paragraph XIII hereof. No informal advice, guidance, suggestions, or comments by the Department regarding reports, proposals, plans, specifications, schedules, or any other writing submitted by the Respondents shall be construed as relieving the Respondents of their obligation to obtain such formal approvals as may be required by this Order.

XVI. **Binding effect**. The provisions of this Order shall be deemed to bind the Respondents, their officers, directors, agents, employees, contractors, successors and assigns, and all persons, firms and corporations acting under or for them, including, without limitation, any subsequent operator of the Site who may carry on activities now conducted by the Respondents at the Site, and any successor in title to the Site or any interest therein. Respondents shall provide a copy of this Order (including any submissions incorporated herein) to any contractor or subcontractor hired to perform work required under this Order, and shall require compliance with this Order as a term of any contract for performance of work under this Order. Respondents shall nonetheless be responsible for ensuring that all work performed under this Order is in compliance with the terms of the Order.

XVII. **Authority**. The individual signatories to this Order represent that they have authority to bind the respective parties by execution of this Order.

XVIII. **Effective date.** The effective date of this Order shall be the date this Order is signed by the Commissioner or the Commissioner's designee.

This Order on Consent has been reviewed and approved by the Regional Attorney as to form.

By: _____
VINCENT ALTIERI
Regional Attorney

Date: 7/30 2004

Dated : August 2, 2004
New Paltz, New York

ERIN M. CROTTY
Commissioner
New York State
Department of Environmental Conservation

By: _____
MARC MORAN
Regional Director
Region 3

CONSENT BY RESPONDENT
New York State Office of Mental Health

Respondent acknowledges the authority and jurisdiction of the Commissioner of Environmental Conservation of the State of New York to issue the foregoing Order, waives public hearing or other proceedings in this matter, accepts the terms and conditions set forth in the Order and consents to the issuance thereof.

Martha J Schaeffer Hayes

STATE OF NEW YORK)

) ss:

COUNTY OF Albany)

On this 22nd day of July, in the year 2004, before me, the undersigned, personally appeared Martha Schaeffer Hayes, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her capacity as shown in the instrument, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

John B. Carroll

NOTARY PUBLIC

JOHN B. CARROLL
Notary Public, State of New York
No. 4662352
Qualified in Columbia County
Commission Expires Oct. 31, 2005

SCHEDULE A

Schedule of Compliance for Order on Consent
DEC Case No: 3-20030110-4

1. **Review of Submissions:**

(a) Within 45 calendar days after receipt of the submissions specified in paragraphs 2, 3, 4, 5 and 7 below respectively, the Department shall notify Respondent OMH, in writing, whether the submission is approved or is deficient. A submission will be considered "deficient" if it does not clearly and completely set forth all of the material information required by this Schedule of Compliance and the 6 NYCRR Part 360 regulations. Any notice of deficiency issued by the Department shall specify with particularity the nature of all deficiencies.

(b) If written notice of approval or deficiency is not provided within the 45-day time period, Respondent may request, in writing, that such notice be issued immediately. If the Department fails to provide the written notice within ten business days after receiving such a request, the submission in question shall be deemed approved as submitted.

(c) Within 30 days of receiving notice that a document is deficient, Respondent shall resubmit the document in revised form, addressing the deficiencies of which notice was given. The Department shall notify Respondent in writing of its approval or disapproval of the revised document. Such notice shall be governed by the procedures and time limits set forth in subparagraphs (a) and (b) above. Failure to submit a revised document which addresses the Department's comments may be considered a violation of the Order and may be subject to the penalty provision listed in Paragraph I of the Order.

2. **By April 30, 2004**, Respondent OMH shall submit two (2) copies of the Area 1 Landfill Reclamation Plan in accordance with Part 360-2.18(d)-(f), effective November 24, 1999. The plan must include copies of the storm water pollution and prevention plan (SWPPP) and Notice of Intent (NOI) in accordance with SPDES permit GP-02-01. Originals of the SWPPP and NOI shall be submitting directly to the Department Division of Water at 625 Broadway, Albany NY 12233-3505.

3. **By April 30, 2004**, the Respondent shall submit two (2) copies of the Area 3 Landfill Interim Grading Plan and Conceptual Closure Plan in accordance with Part 360-2.15(c). The plan must include copies of the storm water pollution and prevention plan (SWPPP) and Notice of Intent (NOI) in accordance with SPDES permit GP-02-01 covering activities associated with relocation of waste from Area 1 Landfill and interim grading. Originals of the SWPPP and NOI shall be submitting directly to the Department Division of Water at 625 Broadway, Albany NY 12233-3505.

4. **By July 30, 2005**, the Respondent shall submit two (2) copies of the Area 2 Landfill Closure Plan in accordance with Part 360-2.15(c). The plan must include copies of the storm water pollution and prevention plan (SWPPP) and Notice of Intent (NOI) in accordance with SPDES permit GP-02-01. Originals of the SWPPP and NOI shall be submitted directly to the DEC Division of Water at 625 Broadway, Albany NY 12233-3505.

5. **By December 30, 2004**, the Respondent shall submit two (2) copies of the Area 8 landfill closure or reclamation plan in accordance with Part 360-2.15(c) or Part 360-2.18(d)-(f), and 2 copies of the Area 3 Landfill Final Closure Plan in accordance with Part 360-2.15(c). The plan must include copies of the storm water pollution and prevention plan (SWPPP) and Notice of Intent (NOI) in accordance with SPDES permit GP-02-01. Originals of the SWPPP and NOI shall be submitted to the DEC Division of Water in Albany.

6. **By August 1, 2004**, the Respondent shall begin landfill reclamation at Area 1 and relocating reclaimed materials to the Area 3 landfill final cover system. The construction activities shall be conducted in accordance with the DEC-approved plans. Area 1 Landfill reclamation and Area 3 Landfill interim grading includes clearing or grubbing the area in preparation of future landfill closure construction activities.

7. **By October 15, 2004**, the Respondent shall submit two (2) copies of a Landfill Post-Closure Monitoring and Maintenance Manual for Area 1 with a proposed final cover system. The Manual shall comply with a Part 360-2.15(d)(7), effective November 24, 1999. The Manual shall be submitted as a stand-alone document and shall be separate from the landfill closure or reclamation plans.

8. **By October 29, 2004**, the Respondent shall complete reclamation of Area 1 in accordance with the DEC-approved reclamation plan.

9. **By October 29, 2004**, the Respondent shall stabilize Area 3 with an interim cover in accordance with the DEC-approved landfill closure plan.

10. **By December 15, 2004**, the Respondent shall submit two (2) copies of the Area 1 Reclamation Certification Report. The Certification Report shall demonstrate that all solid waste and associated contaminated soil have been removed from Area 1 and managed in accordance with 6NYCRR Part 360 and the ECL. The Certification Report shall be signed and sealed by a licensed New York State professional engineer and shall be satisfactory to the Department.

11. **By July 1, 2005**, Respondent shall begin installation of a landfill final cover system or reclamation at Area 8 in accordance with the DEC-approved closure plan and SWPPP. Installation of the landfill final cover system or reclamation includes clearing or grubbing the area in preparation of future construction activities.

12. **By June 1, 2006**, Respondent shall begin installation of a landfill final cover system at Area 2 in accordance with the DEC-approved closure plan and SWPPP. Installation of the landfill final cover system or reclamation includes clearing or grubbing the area in preparation of future construction activities.

13. **By November 1, 2006**, Respondent shall complete installation of a final cover system or reclamation of Area 2 in accordance with the DEC-approved closure/reclamation plans and SWPPP.

14. **By December 30, 2005**, Respondent shall complete work on areas 3 and 8 in accordance with the DEC-approved closure/reclamation plans and SWPPP.

15. **By December 30, 2005**, Respondent shall submit two (2) copies of the Area 3 and 8 Landfill Certification Reports. **By December 30, 2006**, Respondent shall submit two (2) copies of the Area 2 Landfill Certification Report. The Certification Reports shall provide the information listed in Part 360-2.15(d)(7), effective November 24, 1999. The Certification Reports shall be signed and sealed by a licensed New York State professional engineer and shall be satisfactory to the Department.

16. All plans, reports, certifications and other submittals required under this Schedule shall be delivered to the following individuals:

Regional Solid Waste Engineer
DEC Division of Solid and Hazardous Materials
21 South Putt Corners Road
New Paltz, New York 12561

Andrew D. Lent, Engineering Geologist II
DEC Division of Solid and Hazardous Materials
200 White Plains Road 5th Floor
Tarrytown, New York 10591