Contained-In Demonstration Work Plan
Former Allegany Bitumens Belmont Asphalt Plant
Brownfield Cleanup Program
Site # C902019
5392 State Route 19
Amity, Allegany County, New York

Prepared for:

New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233-7015

Prepared on behalf of:

Blades Holding Company, Inc.
P.O. Box 12
Arkport, New York 14807

Prepared by:

Stantec Consulting Services Inc.
61 Commercial Street
Rochester, New York 14614

Stantec

October 2011

Stantec Consulting Services Inc.
61 Commercial Street
Rochester NY 14614
Tel: (585) 475-1440
Fax: (585) 272-1814

October 11, 2011
File: 190500593

Henry Wilkie
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7015

RE: Contained-In Demonstration Work Plan
Brownfield Cleanup Program Site # C902019
Former Allegany Bitumens Belmont Asphalt Plant
5392 State Route 19, Amity, New York

Dear Henry:

On behalf of Blades Holding Company, Inc., and as a follow-up to our discussion, Stantec Consulting Services Inc. (Stantec), has prepared this Contained-in Demonstration Work Plan for chlorinated volatile organic compound impacted soil to be excavated at the former Allegany Bitumens Belmont Asphalt Plant, located at 5392 State Route 19 in the Town of Amity, Allegany County, New York. We look forward to the Department's input as soon as your schedule allows.

Should you have any questions or require further information, please do not hesitate to call.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Michael P. Storonsky
Managing Senior Associate
Tel: (585) 413-5266
Fax: (585) 272-1814
Mike.Storonsky@stantec.com

Michael Hopkins, P.E., L.S.P, L.E.P.
Senior Environ. Engineer
Tel: (585) 413-5281
Fax: (585) 272-1814
Michael.Hopkins@stantec.com

Stephanie Reynolds-Smith
Hydrogeologist
Tel: (585) 413-5272
Fax: (585) 272-1814
Stephanie.ReynoldsSmith@stantec.com

ec w/enclosure: A. Lopes (NYSDEC, Region 9)
N. Freeman (NYSDOH)
R. Blades (Blades Holding Company)
T. Tuori (Harter Secrest & Emery, LLP)

CERTIFICATION

I, Michael Hopkins, certify that I am currently a New York State-registered professional engineer and that this Work Plan was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Signature

10/11/2011
Date

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1.0 Introduction

On behalf of Blades Holding Company, Inc. (Blades), Stantec Consulting Services Inc. (Stantec) has prepared this Contained-In Demonstration Work Plan for chlorinated volatile organic compound (CVOC) impacted soil to be excavated at the Former Allegany Bitumens Belmont Asphalt Plant located at 5392 State Route 19 in the Town of Amity, Allegany County, New York (Site).

A Phase I ESA was completed by Stantec in December 2009 in connection with real estate due diligence activities. No records or knowledge of releases were identified during the Phase I ESA. However, given the potential for historic releases of trichloroethene (TCE) in the area of the laboratory building, that area was identified as a recognized environmental condition (REC), and it was recommended that a soil boring program be conducted in that area.

Based on the findings of the Phase I ESA, Stantec conducted a Phase II ESA in December 2009. Soil and groundwater sampling results indicated the presence of TCE and related VOCs in an area northeast of the laboratory building. These VOCs were detected in shallow soil and groundwater at levels above NYSDEC's soil cleanup objectives and groundwater standards. As a result, a Brownfield Cleanup Program Application was completed.

A Brownfield Cleanup Agreement (BCA) is in place for the Site between Blades and the New York State Department of Environmental Conservation (NYSDEC or Department). The BCA was executed by the Department on October 12, 2010. The Site is designated by the Department as Brownfield Cleanup Program Site #C902019.

A Remedial Investigation (RI) is being performed in accordance with a Remedial Investigation Work Plan (RIWP) dated September 2010, which was revised October 11, 2010 in response to Department comments. The RIWP was approved by the Department on October 19, 2010.

A draft RI Report was submitted to NYSDEC on July 29, 2011. As a follow up to this report, a Draft Interim Remedial Measures (IRM) Work Plan was submitted to NYSDEC on September 6, 2011. NYSDEC provided comments on the IRM Work Plan dated September 22, 2011, including a request to consider the Contained-In Criteria for waste disposal. Therefore, this Contained-In Demonstration Work Plan has been prepared to propose procedures for additional sampling of soils excavated during the IRM from the vicinity of a former laboratory building, which contain CVOCs, especially TCE, at levels exceeding NYSDEC soil cleanup objectives (SCOs), and their eventual disposal.

2.0 Background Information

The Site is a 4.9± acre parcel located at 5392 State Route 19 in the Town of Amity, Allegany County, New York (see Figure 1). The property (Tax Parcel No. 171-1-60) is currently occupied by a non-operational asphalt plant. Operations at this asphalt plant ceased in 2005. Redevelopment of the Site is anticipated to involve a commercial or industrial use.

Detailed background information is included in Addendum 1, including site description and setting, site and nearby land use, former industrial processes at the site, geologic and hydrologic setting, and previous and on-going investigations and activities.

The area of interest for the Contained-In Demonstration is near the former laboratory building in the northwest corner of the property (see Figure 4). The laboratory has not been used since 2005. When the plant was operational, the laboratory was utilized for testing asphalt products for compliance with NYSDOT or client specifications.

TCE was used as a solvent in the testing operations. The solvent was used to remove asphalt from blacktop samples to allow for testing of the sand and gravel components of the blacktop. A NYSDOT test specification that required the use of TCE for this purpose was the reason TCE was used at the Site. Solvent use in the laboratory was largely replaced by an ignition oven process in the laboratory in the early 1980s, and thereafter the test process that involved TCE was very rarely used.

The minor amount of asphalt residue from each test that involved use of solvent was accumulated in a 5-gallon pail which when full was removed from the Site for off-Site disposal by an environmental services firm, which also removed and disposed of spent solvent. Blades installed a TCE distillation system in the lab in 1987, and thereafter no waste solvent material was generated from the use of TCE.

Chlorinated VOCs in the Former Laboratory Building Area

Passive soil gas sampling results showed an area of CVOC detections extending northward from the laboratory building area. The CVOC detections correspond with soil and groundwater detections of these compounds in and downgradient from the laboratory building area.

All subsurface soil sample sampling results from the Phase II ESA and RI from the well and soil borings were well below the Commercial and Industrial SCOs. Exceedances of Part 375 POGW SCOs were reported for CVOCs in subsurface soil samples from one monitoring well and four soil borings just to the east and southeast of the laboratory building, including BS-2, BS-4, B-16, B/MW-23, and B-24 (see Table 6). Trichloroethene (TCE) concentrations in the laboratory source area ranged up to 38 ppm. Concentrations decrease significantly away from the source area (see Figure 9). The area with known exceedances of SCOs is approximately 55 ft in the north - south direction and 30 ft in the east - west direction. Based on PID readings

and soil sampling results, the estimated depth of the contaminated soil interval in the source area is approximately 4 to 15 ft bgs (see Figure 10).

Shallow overburden groundwater flow was found to flow away from the northwest portion of the Site (Laboratory Building area) toward the north, northeast, east and southeast (see Table 9 and Figures 6-8). Variations in water levels of up to 3.75 ft were observed seasonally.

Two rounds of groundwater sampling were conducted with the first round occurring in January - February 2011. Exceedances of groundwater standards were reported for chlorinated VOCs at four locations at, and downgradient from, the laboratory source area (BS-2, BS-4, MW-23, and MW-25) with total chlorinated ethene and ethane concentrations, predominantly TCE, ranging up to 12.4 ppm. The highest concentrations were at BS-2 and BS-4 (see Table 7 and Figure 11).

The second round of groundwater sampling was conducted in April 2011. Exceedances of groundwater standards were reported for chlorinated VOCs at four locations at, and downgradient from, the laboratory source area (BS-2, BS-4, MW-8, and MW-25) with total chlorinated ethene and ethane concentrations, predominantly TCE, ranging up to 0.1 ppm. The highest concentrations were again at BS-2 and BS-4 (see Table 7 and Figure 12). VOC concentrations reported during the second round of sampling were generally lower than those observed during the first round of sampling. The reduction of VOC concentrations is believed to be related to the higher water table at the time of the second round of sampling.

A deep overburden monitoring well installed in the Laboratory Building source area, and the on-Site water supply well, were both found to be free of Site related groundwater contamination. Therefore, there was no evidence that the chlorinated VOCs contaminants found in the shallow overburden in the vicinity of the laboratory building have migrated downward.

Proposed Interim Remedial Measures

The Phase II ESA and RI identified the presence of contamination in soil and groundwater at the Site. The contaminants include solvent-related VOCs in soil and/or groundwater at levels that warrant Interim Remedial Measures (IRMs). To provide a timely response to these findings, IRMs were proposed that will minimize the potential for further migration of contaminants and facilitate potential redevelopment of this currently vacant property.

Remedial area of concern-1 (RAOC-1) is located in the vicinity of the laboratory building in the northwest corner of the site (see Figure 13). CVOCs are present in soil and groundwater. Several compounds exceed the NYSDEC Restricted Soil Cleanup Objectives (SCOs) for Protection of Groundwater. A similar suite of CVOCs is present in groundwater at concentrations in excess of NYSDEC's Class GA Groundwater Standards. The contamination has migrated with groundwater flow toward the north, east and south from the source area, and extends off-site to the northeast.

Soil remediation is proposed via excavation and offsite disposal. Proposed groundwater remediation for RAOC-1 would involve in-situ remediation via enhanced reductive dechlorination (ERD). This would be facilitated though installation of an appropriate carbon substrate material (electron donor), by direct placement in the source-area excavation prior to backfill and perimeter placement via a trench or subsurface injection using drilling methods, or a combination thereof. The exact material(s) to be used and methods for placement are currently being evaluated through a bench-scale study. The effectiveness of the ERD in RAOC-1 will be assessed through several rounds of post-injection groundwater monitoring.

3.0 Contained-In Demonstration Work Plan

The NYSDEC's Technical Administrative Guidance Memorandum (TAGM) 3028, "*Contained-In" Criteria for Environmental Media*, (November 30, 1992; Contained-In Action Levels Tables dated August 4, 1997) sets minimum criteria which environmental media contaminated by listed hazardous waste must meet in order to preclude the necessity of it being managed as a hazardous waste.

This Contained-In Demonstration Work Plan has been prepared to address off-site disposal of soils contaminated with TCE at RAOC-1, which are to be excavated during the implementation of the above described IRM (see Section 2.4.4). If generated during IRM soil excavations at RAOC-1, disposal of CVOC contaminated groundwater will be dealt with separately. Off-site disposal of petroleum impacted soils from RAOC-2 and RAOC-3 will not involve listed hazardous waste, and will thus not be addressed with a Contained-in Demonstration. These petroleum impacted soils will be disposed of as non-hazardous waste at a permitted facility. (TCLP analyses indicate that the petroleum impacted soils are not characteristic hazardous wastes.)

3.1 CONTAMINATION SOURCE AND LISTING

Though it cannot be determined for certain, the likely source of the TCE in the RAOC-1 soils is from a spill or discharge of spent TCE solvent during its historic use at the laboratory building. Thus, the TCE in these soils is likely a listed hazardous waste with EPA Hazardous Waste Number F002 – Spent Halogenated Solvent.

It is also possible, though not likely, that the source of the TCE is from a spill or release of virgin TCE solvent. However, based on generally lower level concentrations found in soil and water, it is unlikely that this was the source. But, if this were the source, the waste would be a listed hazardous waste with EPA Hazardous Waste Number U228 – Trichloroethene.

Other hazardous constituents presented in 6 NYCRR 371 that are reported to be present in the contaminated soil aside from the TCE include: carbon disulfide; 1,1-dichloroethane (1,1-DCA); 1,1-dichloroethene (1,1-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); methylene chloride; naphthalene; tetrachloroethene (PCE); 1,1,1-trichloroethane (1,1,1-TCA); and vinyl chloride (see Table 8).

3.2 SOIL SAMPLING

Per TAGM 3028:

- Soils shall be analyzed directly for total concentrations of each hazardous constituent expected to be contained in the medium and compared to the Contained-In Action Levels for soil/sediment (58 mg/kg for TCE), and

- The leachate from soils must also be analyzed for each hazardous constituent expected to be contained in the medium, and, for soils that will be excavated and relocated off the facility property, this is accomplished via Toxicity Characteristic Leachate Procedure (TCLP) analysis. The results will be compared to the Contained-In Groundwater Action Level (5 µg/L for TCE).

Per discussions with Henry Wilkie of NYSDEC's Division of Environmental Remediation (DER) and based on the Remedial Investigation results that indicate VOCs are likely to be the only hazardous constituents in the excavated soils at levels of potential concern, it is proposed that soil samples will be analyzed only for VOCs.

NYSDEC's *DER-10: Technical Guidance for Site Investigation and Remediation* (May 2010) specifies a recommended number of soil samples to be analyzed for soil exported from a site based on the volume of soil to be removed. For up to 1,000 cy of soil, seven discrete VOC soil samples are recommended. It is anticipated that approximately 1,100 cubic yards (cy) of soil will be excavated from RAOC-1 and exported from site. Thus, to start, seven soil samples are proposed. If the volume does go over 1,000 cy, either an additional two samples will be collected per 1,000 cy or the NYSDEC Division of Environmental Remediation (DER) will be consulted, per DER-10. Thus, it is anticipated that at least seven total VOC and seven TCLP VOC analyses will be required.

During the implementation of the IRM, the first 1,000 cy of soils excavated will be placed into seven stockpiles that are each approximately equal in size (approximately 150 cy). From each stockpile, one discrete sample will be collected for TCL VOC analysis by EPA Method 8260 and one discrete sample will be collected for TCLP VOC analysis by EPA Methods 1311/8260. If more than 1,000 cy is excavated, the need for further sampling will be discussed with DER.

Samples will be submitted to TestAmerica Laboratories, Inc. (TestAmerica) of Buffalo, New York. The detection limits for these analyses are listed in Appendix C. Quality assurance/quality control (QA/QC) procedures will be in accordance with the NYSDEC approved RI Work Plan and site-specific Quality Assurance Project Plan (QAPP).

TCL VOC soil results will be compared with the August 4, 1997 NYSDEC Contained-In Action Levels (CIALs) for Soil/Sediment. Table 8 contains a comparison for the six samples collected during previous investigations. All results are all less than the CIALs. The CIAL for TCE of 58 mg/kg is higher than the reported TCE concentrations, which range from 5.1 to 37.5 mg/kg. TCLP VOC soil results will be compared to the August 4, 1997 CIALs for Groundwater, which is 5 µg/L for TCE.

If either CIAL is exceeded, the material will be managed as a listed hazardous waste and will go through land disposal analyses set forth in Section 3.3. Disposal will be dictated by land disposal analysis.

If neither CIAL is exceeded, the material will be disposed of as non-hazardous waste unless determined to be characteristic hazardous waste (D040 for TCE) by TCLP analyses conducted for disposal purposes.

3.3 LAND DISPOSAL REQUIREMENTS

Land disposal requirements (LDRs) identify hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an otherwise prohibited hazardous waste may be land disposed. A prohibited waste identified in the table "Treatment Standards for Hazardous Wastes" (6 NYCRR Part 376.4) may be land disposed only if it meets the requirements found in the table, as identified by analysis of representative waste sample(s). The land disposal requirements will be applicable and will be analyzed if the soil is determined to contain a listed hazardous waste (either F002 or U228) per the demonstration outlined in this work plan. In that case, the soil will be eligible for land disposal only if (i) the TCE concentration is less than 6 mg/kg (in representative waste samples) or (ii) the soil is treated prior to disposal to reduce the TCE concentration to less than 6 mg/kg.

In addition, if TCLP testing indicates that the soil is a characteristic hazardous waste (waste code D040 for TCE), the soil may be land disposed only if the TCE concentration in the TCLP extract is less than 6 mg/L.

Addendum 1 – Detailed Background Information

1.1 SITE LOCATION, DESCRIPTION, AND SETTING

The Site is a 4.9± acre parcel located at 5392 State Route 19 in the Town of Amity, Allegany County, New York (see Figure 1). The property (Tax Parcel No. 171-1-60) is currently occupied by a non-operational asphalt plant. Operations at this asphalt plant ceased in 2005. Redevelopment of the Site is anticipated to involve a commercial or industrial use.

According to a Site-specific topographic survey, the subject property elevation ranges from approximately 1,380 feet above mean sea level (amsl) along Route 19 to approximately 1,369 ft amsl on the eastern property line, just to the west of the Tuckers Creek embankment (Figure 2). Surface water drainage from the former asphalt manufacturing area is towards a basin adjacent to the feeder hoppers for the asphalt plant aggregate conveyor, and this basin acts as a detention pond. An embankment several to 15 feet high along the northern and eastern property lines limits runoff to the creek from the remaining, gravel-surfaced areas of the Site.

The Site is located in the Genesee River valley approximately 1,200 feet west of the river. The Site is elevated approximately 15 feet above the valley floor, and is separated from the current flood plain of the river by a levee and railroad embankment located approximately 750 feet east of the property. The FEMA flood zone designation for the property indicates that the property is outside the 500 year flood zone and is protected from 100 year floods by a levee. The channelized segment of Tuckers Creek that is located adjacent to the eastern boundary of the property is designated as being subject to a 1% annual chance of flooding within the stream channel. Surface water bodies and wetlands in the area of the Site are shown on Figure 3. No critical wildlife habitats of threatened or endangered species are known to be present within ½ mile of the property.

1.2 LAND USE

1.2.1 Current Site and Surrounding Land Uses

The subject property is improved with a non-operational asphalt plant, control tower, truck scale, scale house, office and laboratory building, oil storage house, and maintenance garage. Several of these structures, which are located in proximity to the IRM excavation areas, are slated for removal or demolition prior to the implementation of the IRM. A gravel-surfaced aggregate stockpile area is located south of the asphalt manufacturing plant structures. Paved parking and staging areas are provided adjacent to the asphalt plant and the laboratory and maintenance garage buildings. These features are shown on Figure 2.

The Site is accessible to, and from, existing local and regional infrastructure including highways and gas and electric service. Public water supply and municipal sewer services are not

currently available in the immediate area of the property. However, the 2008 Allegany County Comprehensive Plan shows the corridor along Route 19 north of Belmont which includes the property as a proposed future water service area and proposed future sewer service area.

The Site has a water well that supplied water for Site operations and on-Site sanitary uses until plant operations ceased in 2005. The well is located in the approximate center of the north half of the Site adjacent to the northeast corner of the asphalt plant structure. Surrounding properties rely on private wells for their water supply.

Land use in the surrounding area is dominated by agricultural uses. Agricultural fields occupy the adjacent property to the east. Agricultural farm houses and barns and single family non-farm residences are located along Route 19 to the north and southeast of the property and along Friendship Hill Road (Tuckers Corner Road) to the west of the property. The property located immediately opposite form the Site on the west side of Route 19 is also owned by Blades, and is the site of a vehicle and equipment maintenance shop and small office building which are both currently not in use.

The northern limits of the Village of Belmont are located approximately one-half mile southeast of the property. Undeveloped wooded property is located to the southwest of the property along Tuckers Creek and its small tributaries. These land uses are all visible on the aerial photographic image presented in Figure 3.

No schools or federal, state, county, municipal or community parks or recreational areas are known to be present in the immediate vicinity of the property.

1.2.2 Past Uses of the Site and Adjoining Properties

The Site was used for agricultural purposes or was undeveloped prior to 1960. In March 1960, A.L. Blades and Sons, Inc. (now known as Blades Holding Company, Inc.) acquired the property and then conveyed the property to its affiliate Allegany Bitumens, Inc.

An asphalt plant was constructed at the Site by Allegany Bitumens, Inc. circa 1960 and was operated by Allegany Bitumens, Inc. and, after a 1995 merger, by A.L. Blades and Sons, Inc. until A.L. Blades and Sons, Inc. discontinued the asphalt plant operations in 2005. Since 2005, the facility has been unoccupied, although buildings and stationary asphalt manufacturing equipment remain. These structures are slated for removal or demolition prior to commencement of the IRM.

Industrial Processes and Chemical Uses Associated with Former Asphalt Plant Operations at the Site

The Site was used as a hot mix asphalt manufacturing plant, and ancillary operations such as maintenance of plant equipment and as a laboratory for asphalt and aggregate testing.

Asphalt plant operations involved the storage or use of significant quantities of petroleum products and asphalt materials.

Asphalt Production

One non-operational "batch" hot-mix asphalt production plant is located on-Site.

The former operational equipment included an asphalt tank heater, two 20,000 gallon aboveground asphalt tanks, one 15,000 gallon aboveground asphalt tank, a hot oil burner for heating the asphalt lines, an aggregate dryer, a dust collector for the aggregate dryer, material handling and conveyance systems, a heated asphalt mixing drum, a truck loading station, a scale house, and a control tower.

Maintenance Operations

Routine maintenance and minor repair of facility equipment was performed in a maintenance garage located east of the asphalt mixing operation equipment. The building was also utilized for garaging the asphalt plant loader and for storing construction-related equipment.

Laboratory Operations

A former on-Site laboratory is present in the northwest corner of the property northwest of the asphalt manufacturing area. The laboratory has not been used since 2005. When the plant was operational, the laboratory was utilized for testing asphalt products for compliance with NYSDOT or client specifications.

TCE was used as a solvent in the testing operations. The solvent was used to remove asphalt from blacktop samples to allow for testing of the sand and gravel components of the blacktop. A NYSDOT test specification that required the use of TCE for this purpose was the reason TCE was used at the Site. Solvent use in the laboratory was largely replaced by an ignition oven process in the laboratory in the early 1980s, and thereafter the test process that involved TCE was very rarely used.

The minor amount of asphalt residue from each test that involved use of solvent was accumulated in a 5-gallon pail which when full was removed from the Site for off-Site disposal by an environmental services firm, which also removed and disposed of spent solvent. Blades installed a TCE distillation system in the lab in 1987, and thereafter no waste solvent material was generated from the use of TCE.

The laboratory building had its own septic system which reportedly received domestic sanitary waste from the sinks and toilet in the laboratory and from a bathroom in the adjacent scale house. The septic system was located in the area south of the lab building and east of the scale house.

At the time of the Phase I ESA site visit, several empty containers and a drum that had been modified for use as a heater or drier were observed on a small outdoor asphalt pad located adjacent to the east end of the laboratory building. Plant personnel indicated that the pad had

not been used for outdoor storage of solvent or waste containers. No visible evidence of past releases was apparent at the time of the site visit.

Site Utilities and Other Features

Electric and natural gas service was provided to the subject property by Rochester Gas and Electric (RG&E). The on-Site buildings were heated by electric or natural gas heaters, and natural gas was the primary fuel for the asphalt plant process heaters described above.

Three pole-mounted electrical transformers owned by Rochester Gas and Electric (RG&E) were observed on the subject property during the Phase I ESA site visit. The transformers were removed from the property by RG&E during the timeframe of the RI field work activities.

There is no public water supply service for the immediate area of the Site. Bottled water was used for drinking water at the Site. The Site has a water well that supplied water for site operations and on-Site sanitary uses until plant operations ceased in 2005.

No process wastewater was generated at the Site. Domestic sanitary wastewater at the property was discharged to the two septic systems located at the laboratory building and plant maintenance garage.

1.3 GEOLOGIC AND HYDROGEOLOGIC SETTING

According to mapping prepared by the United States Department of Agriculture (USDA) Soil Conservation Service, as reported by Environmental Data Resources (EDR), the majority of the native soils on the subject property are identified as Chenango gravelly loam. This soil is described as deep, well drained to excessively drained sands and gravels. The Surficial Geologic Map of New York - Niagara Sheet (Cadwell, and others, 1986) maps the overburden deposits beneath the subject property as fluvial sand and/or gravel along the western property line and recent alluvial deposits of the Genesee River floodplain beneath the eastern two thirds of the property.

Phase II and RI test pit and soil boring data indicate varying thicknesses of fill overlying a few to several feet of brown to yellowish brown silts/fine-grained sands and gravels. Below this are alternating layers of gray to brownish gray clayey silt/fine-grained sand and silty clay that gets finer with depth.

According to the Geologic Map of New York (Rickard and Fisher, 1970), bedrock underlying the subject property is identified as shale and siltstone of the Canadaway group. Based on a video survey of the site's water supply well, it appears that bedrock in greater than 180 ft bgs.

The water table at the Site and just to the north of the Site is relatively shallow. During the RI, the water table was generally found to occur within 0 to 15 ft of ground surface. Shallow overburden groundwater was found to flow toward the north, northeast, east and southeast from the northwest portions of the Site.

1.4 PREVIOUS AND ON-GOING INVESTIGATIONS AND ACTIVITIES

1.4.1 Phase I Environmental Site Assessment

A Phase I ESA was completed by Stantec in December 2009 in connection with real estate due diligence activities. The Phase I ESA identified one recognized environmental condition (REC) at the Site:

- No records or knowledge of releases were identified during the Phase I ESA. However, given the potential for historic releases of TCE in the area of the laboratory building septic system and outdoor asphalt-paved pad attached to the east end of the laboratory building, that area was identified as an REC, and it was recommended that a soil boring program be conducted in that area.

1.4.2 Phase II Environmental Site Assessment

Based on the findings of the Phase I ESA, Stantec conducted a Phase II ESA in December 2009. Four soil test borings and four temporary monitoring wells (BS-1 through BS-4) were installed for the purposes of collecting soil and groundwater samples adjacent to, and downgradient from, the former laboratory building and its septic system. The Phase II ESA test boring and monitoring locations are shown on Figure 4. Results indicated the presence of TCE and related VOCs in an area northeast of the laboratory building. These VOCs were detected in shallow soil and groundwater at levels above NYSDEC's soil cleanup objectives and groundwater standards. Indications of soil contamination were encountered at depths of 5 to 10 feet below ground surface (bgs) in test borings BS-2 and BS-4, and TCE was detected in soil samples from these borings at concentrations of up to 37.5 parts per million (ppm). The water table at the Site was encountered at depths of 9 to 10 feet below ground surface, and TCE was detected in BS-2 and BS-4 groundwater samples at concentrations of 0.6 to 2.1 ppm, respectively. Traces of TCE (0.001 to 0.008 ppm) were detected in the groundwater samples from the BS-1 and BS-3 locations.

1.4.3 Remedial Investigation

The RI field program was conducted over the course of numerous field events starting in October 2010 and concluding in June 2011. The locations investigated and dates and purposes of each of the field events are summarized in Table 1. All sampling locations are shown on the Site Plans presented on Figures 4 or 5. This includes sampling locations investigated during the RI as well as those investigated during the Phase II ESA. Detailed descriptions of all Phase II ESA and RI program activities and procedures, as well as presentation of data interpretation and qualitative exposure assessments of the potential impacts of Site conditions on human health and fish and wildlife resources were presented in Stantec's Phase I/Phase II ESA and RI Reports and are not repeated herein.

Test pit and boring and monitoring well logs, including PID readings, are in Appendices A and B. RI samples submitted for laboratory analytical testing of potential contaminants and other

physical parameters were submitted to TestAmerica of Buffalo, New York. Tables 2 and 3 respectively summarize the soil and groundwater samples collected, including sample dates, sample depths (where applicable), sample analytical parameters, and quality assurance/quality control (QA/QC) samples. As per the RIWP, approximately 20-30% of the originally planned samples were analyzed for a full suite of analyses. Third-party usability reviews of the analytical data reports generated by TestAmerica were performed by ChemWorld or DVS. Passive soil gas samples were submitted to Beacon of Bel Air, Maryland.

1.4.3.1 RI Scope of Work

To achieve the objectives of the RI, the following investigations were completed:

- completion of a background information survey;
- installation, retrieval and laboratory analysis of passive soil gas (PSG) modules in three areas, including near (8 PSG modules) and downgradient from (12 PSG modules) the laboratory building and surrounding the oil storage house and maintenance garage (8 PSG modules);
- collection of 14 surface soil/former surface soil samples;
- excavation of 18 test pits with logging and field screening of soils and the selection of 22 subsurface soil samples for laboratory analysis of potential chemical contaminants;
- installation of 16 overburden monitoring wells (15 shallow and one deep);
- installation of 12 additional overburden test borings (installed without monitoring wells);
- continuous soil sampling at well and test boring locations, with logging and field screening of the soil samples and selection of 34 sample intervals for laboratory analysis of potential chemical contaminants;
- geotechnical laboratory analysis of two soil samples from one well boring;
- development of all 16 newly installed wells;
- three full rounds of groundwater level measurements at all on- and off-Site wells, including new and existing monitoring wells that had been installed during the previously reported Phase II Environmental Site Assessment (Phase II ESA) and the existing on-Site water supply well during an initial round of groundwater sampling for laboratory analysis of potential chemical contaminants;
- video inspection of the existing on-Site water supply well;
- collection of groundwater samples from the 16 RI wells, the three Phase II wells, and the one existing water supply well;

- collection of groundwater samples from seven of the RI wells and three Phase II wells during a second round of groundwater sampling;
- hydrogeologic testing of six wells to determine the hydraulic conductivity of the shallow and deep overburden;
- laboratory analysis of field duplicates, field and laboratory blanks, and matrix spike/matrix spike duplicates (MS/MSD) collected for quality assurance and quality control (QA/QC) purposes; and
- survey of the locations and elevations of wells and, where appropriate, other sampling locations.

1.4.3.2 Results

1.4.3.2.1 Geology

Phase II and RI test pit and soil boring data indicate varying thicknesses of surficial fill. The fill consists primarily of aggregate stockpiles, asphalt materials and debris. Aggregate stockpiles are primarily found on the western ⅓ to ½ of the Site and in berms along the eastern property boundary. Asphalt materials consist predominantly of small to large pieces of hard asphalt within and under the berms along the northern and western property boundary. Debris was found in some of the berms along the northern and eastern property boundaries. Further details on the depths and content of fill can be found in the test pit logs in Appendix A.

Under the fill material, native soils consist of four to eight feet of brown to yellowish brown silts/fine-grained sands and gravels with traces of clay. This is underlain by alternating layers of gray to brownish gray clayey silt/fine-grained sand and silty clay that gets finer with depth. Monitoring well logs show these materials to a depth of at least 40 ft bgs

According to the Geologic Map of New York (Rickard and Fisher, 1970), bedrock underlying the subject property is identified as shale and siltstone of the Canadaway group.

1.4.3.2.2 Sampling and Analytical Results

Copies of the analytical data reports were presented in the RI Report.

For background information, analytical results for all Phase II ESA and RI samples are summarized in Tables 4 to 7, which are organized by sample medium and type. Table 8 contains the subset of these data that are directly applicable to this Contained-In Demonstration Work Plan.

All RI soil and water analytical data were reviewed by Ms. Andrea Schuessler of ChemWorld or Ms. Judy Harry of DVS. The ChemWorld and DVS data usability summary reports (DUSRs) were presented in the RI Report. In summary, the laboratory data (analyte values and reporting limits) were generally found to be usable as reported by the lab or usable with qualification as

an estimated value due to typical processing or matrix effects. None of the RI data were rejected as unusable.

The RI resulted in the following findings: (1) chlorinated VOC impacts are present in subsurface soil and shallow groundwater in the vicinity of the laboratory building; (2) petroleum impacts are present in surface and subsurface soil in two localized areas in the vicinity of the asphalt tanks; and (3) debris is present in the perimeter berms however, no significant “contamination” issues were identified. With the exception of the proposed removal and/or demolition of various equipment and structures that will be needed to facilitate addressing items 1 and 2 above, no other conditions were identified during the RI that require further investigation or remedial measures.

Chlorinated VOCs in the Former Laboratory Building Area

Passive soil gas sampling results showed an area of CVOC detections extending northward from the laboratory building area. The CVOC detections correspond with soil and groundwater detections of these compounds in and downgradient from the laboratory building area.

All subsurface soil sample sampling results from the well and soil borings were well below the Commercial and Industrial SCOs. Exceedances of Part 375 POGW SCOs were reported for CVOCs in subsurface soil samples from one monitoring well and four soil borings just to the east and southeast of the laboratory building, including BS-2, BS-4, B-16, B/MW-23, and B-24 (see Table 6). Trichloroethene (TCE) concentrations in the laboratory source area ranged up to 38 ppm. Concentrations decrease significantly away from the source area (see Figure 9). The area with known exceedances of SCOs is approximately 55 ft in the north - south direction and 30 ft in the east - west direction. Based on PID readings and soil sampling results, the estimated depth of the contaminated soil interval in the source area is approximately 4 to 15 ft bgs (see Figure 10).

Shallow overburden groundwater flow was found to flow away from the northwest portion of the Site (Laboratory Building area) toward the north, northeast, east and southeast (see Table 9 and Figures 6-8). Variations in water levels of up to 3.75 ft were observed seasonally.

Two rounds of groundwater sampling were conducted with the first round occurring in January - February 2011. Exceedances of groundwater standards were reported for chlorinated VOCs at four locations at, and downgradient from, the laboratory source area (BS-2, BS-4, MW-23, and MW-25) with total chlorinated ethene and ethane concentrations, predominantly TCE, ranging up to 12.4 ppm. The highest concentrations were at BS-2 and BS-4 (see Table 7 and Figure 11).

The second round of groundwater sampling was conducted in April 2011. Exceedances of groundwater standards were reported for chlorinated VOCs at four locations at, and downgradient from, the laboratory source area (BS-2, BS-4, MW-8, and MW-25) with total chlorinated ethene and ethane concentrations, predominantly TCE, ranging up to 0.1 ppm. The highest concentrations were again at BS-2 and BS-4 (see Table 7 and Figure 12). VOC

concentrations reported during the second round of sampling were generally lower than those observed during the first round of sampling. The reduction of VOC concentrations is believed to be related to the higher water table at the time of the second round of sampling.

A deep overburden monitoring well installed in the Laboratory Building source area, and the on-Site water supply well, were both found to be free of Site related groundwater contamination. Therefore, there was no evidence that the chlorinated VOCs contaminants found in the shallow overburden in the vicinity of the laboratory building have migrated downward.

Petroleum Impacts in the Asphalt Tank Area

Passive soil gas sampling results showed an area with low level concentrations of petroleum VOCs near the asphalt tanks and the maintenance garage

Low level petroleum VOC detections below the Commercial and Industrial Part 375 SCOs at TP-14, located near the asphalt tanks, correspond to observations of asphalt pieces with an oily appearance from approximately 3 ft bgs, photoionization detector (PID) readings up to 804 parts per million (ppm) and a strong petroleum odor, as well as detections of petroleum VOCs in the PSG survey in this area. No impacts were reported in soil and groundwater samples from the maintenance garage area, including at B/MW-9, B-19, and B-20 (see Tables 5 and 6).

To the west of TP-14 and the asphalt storage tanks, low level detections of petroleum VOCs were found in soils at B/MW-27 and B-31 (see Table 6). These detections were below SCOs and correspond to near surface (0.3 to 1.1 ft bgs) elevated PID readings (41 to 58 ppm) and petroleum odors observed during logging of soils. Overall, there were no petroleum related Part 375 SCO exceedances among the subsurface soil samples.

Further, no petroleum related compounds were reported in any of the groundwater wells at the Site, including downgradient of the above locations, hence there is no indication that the petroleum related soil impacts have affected groundwater.

Perimeter Berms

Conditions encountered during test pit excavations included native soils, aggregate stockpiles, solid and non-solidified asphalt materials, remnants of a small fire, and debris. The only exceedance of Part 375 Commercial and Industrial SCOs, in the 12 berm samples analyzed, was for one SVOC at TP-10 (see Table 5). Benzo(a)pyrene, exceeded Commercial and Industrial SCOs. Pieces of asphalt were found throughout this test pit. At the base of the test pit, near where the sample was collected, there was an impenetrable hard surface that was most likely asphalt. Therefore, this one PAH exceedance is believed to be related to the presence of the asphalt and is thus not considered to be of concern.

Conclusions and Recommendations

Chlorinated solvents, primarily TCE, have impacted a limited volume of soil to the east and southeast of the former laboratory building. TCE was used at the former laboratory building for testing asphalt products as required by NYSDOT. This impacted soil has in turn resulted in a slightly larger, but limited, shallow chlorinated solvent impacted groundwater plume that has shown seasonal variability. This plume has partially extended off-Site to the northeast a limited distance and at low concentrations.

Use of petroleum products in former asphalt production activities has resulted in shallow soil impacts in two areas; near-surface soil around the above ground asphalt storage tanks and near surface soil west of the asphalt storage tanks. No groundwater impacts have been identified in association with the petroleum impacted soils.

A variety of asphalt and debris was encountered in the berms located along the northern and eastern property boundaries. However, only one SCO exceedance was reported in the 12 samples analyzed from the berms and this finding likely resulted from the presence of asphalt.

1.4.4 Draft Interim Remedial Measures Work Plan

As described above, The Phase II ESA and RI identified the presence of contamination in soil and groundwater at the Site. The contaminants include petroleum-related and solvent-related VOCs in soil and/or groundwater at levels that warrant Interim Remedial Measures (IRMs). To provide a timely response to these findings, IRMs were proposed that will minimize the potential for further migration of contaminants and facilitate potential redevelopment of this currently vacant property.

As a result of the Phase II and RI, three remedial areas of concern (RAOCs) have been identified and characterized (see Figure 13).

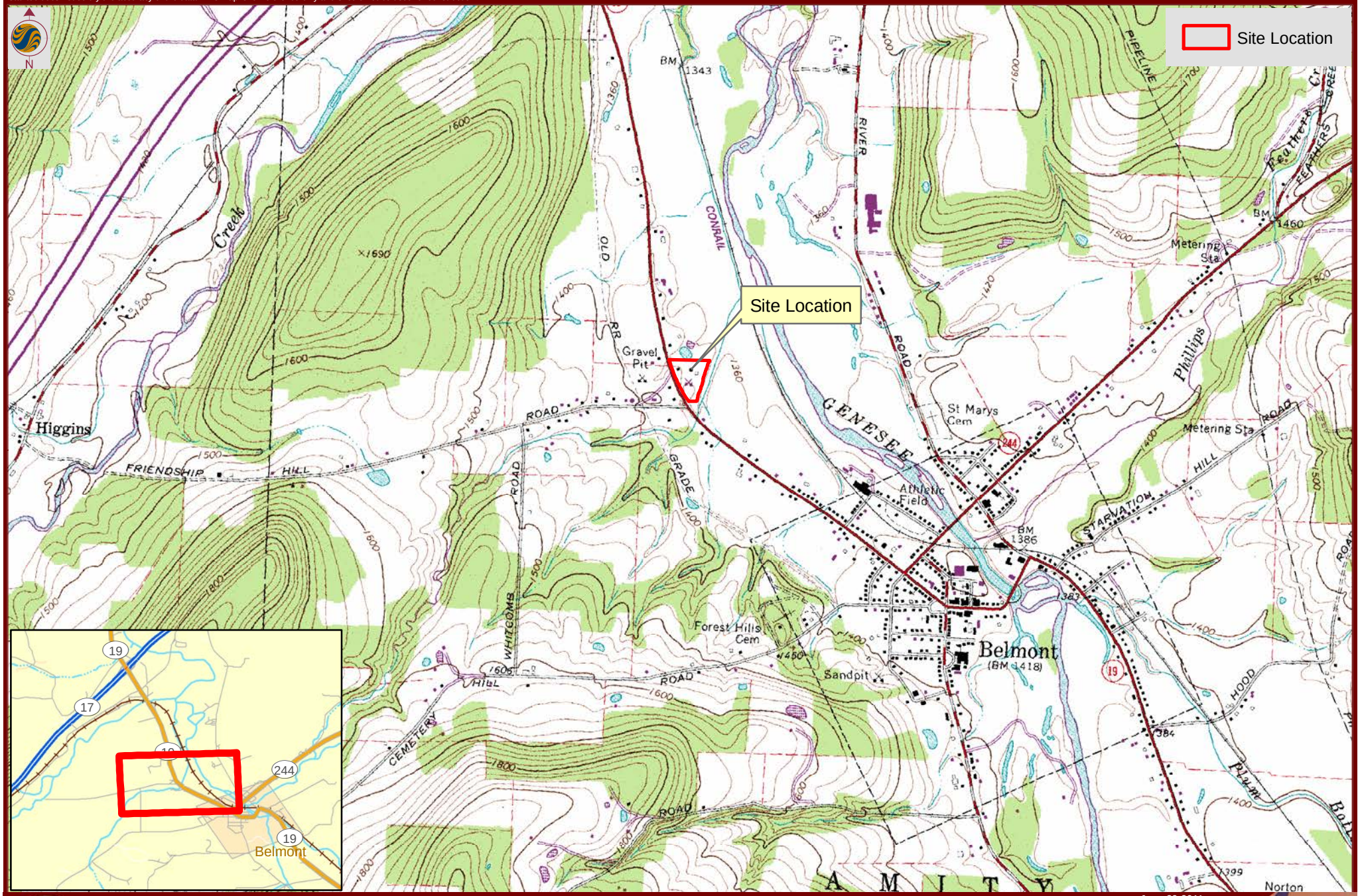
RAOC-1 is located in the vicinity of the laboratory building in the northwest corner of the site. CVOCs are present in soil and groundwater. Several compounds exceed the NYSDEC Restricted Soil Cleanup Objectives (SCOs) for Protection of Groundwater. A similar suite of CVOCs is present in groundwater at concentrations in excess of NYSDEC's Class GA Groundwater Standards. The contamination has migrated with groundwater flow toward the north, east and south from the source area, and extends off-site to the northeast.

RAOC-2 is located immediately east of RAOC-1, between the lab building and the asphalt plant works. RAOC-3 is located in close proximity to the asphalt plant works and its adjacent storage tank pad. Both RAOC-2 and RAOC-3 contain petroleum-impacted soils to approximate depths of up to 1.5 ft and 4 ft. below existing ground surface, respectively. Although the observed contaminant levels did not exceed the restricted SCOs for Commercial or Industrial usage, nuisance characteristics (strong odors, oil staining) were observed, and therefore remedial action would be required. Groundwater impact was not seen in either RAOC-2 or RAOC-3, thus no remedial measures are proposed for groundwater in these two areas.

Demolition is planned for existing structures on the Site to facilitate more thorough access to the contamination in each RAOC. As part of the planning for demolition, testing was performed for the presence of asbestos-containing building materials (ACBM). A limited amount of ACBM was identified in certain structures; this material was removed in accordance with applicable regulations.

Soil remediation is proposed for each of the three RAOCs via excavation and offsite disposal. Proposed groundwater remediation for RAOC-1 would involve in-situ remediation via enhanced reductive dechlorination (ERD). This would be facilitated though installation of an appropriate carbon substrate material (electron donor), by direct placement in the source-area excavation prior to backfill and perimeter placement via a trench or subsurface injection using drilling methods, or a combination thereof. The exact material(s) to be used and methods for placement are currently being evaluated through a bench-scale study. The effectiveness of the ERD in RAOC-1 will be assessed through several rounds of post-injection groundwater monitoring.

FIGURES



Geographic Information Systems

Map Source : NYSGIS Clearinghouse Web Site

Cartographic Design By: Andrew Less

June 29,2011
U:\190500593\drawing\RI Report Figures\Figure 1_Site Location Map.mxd

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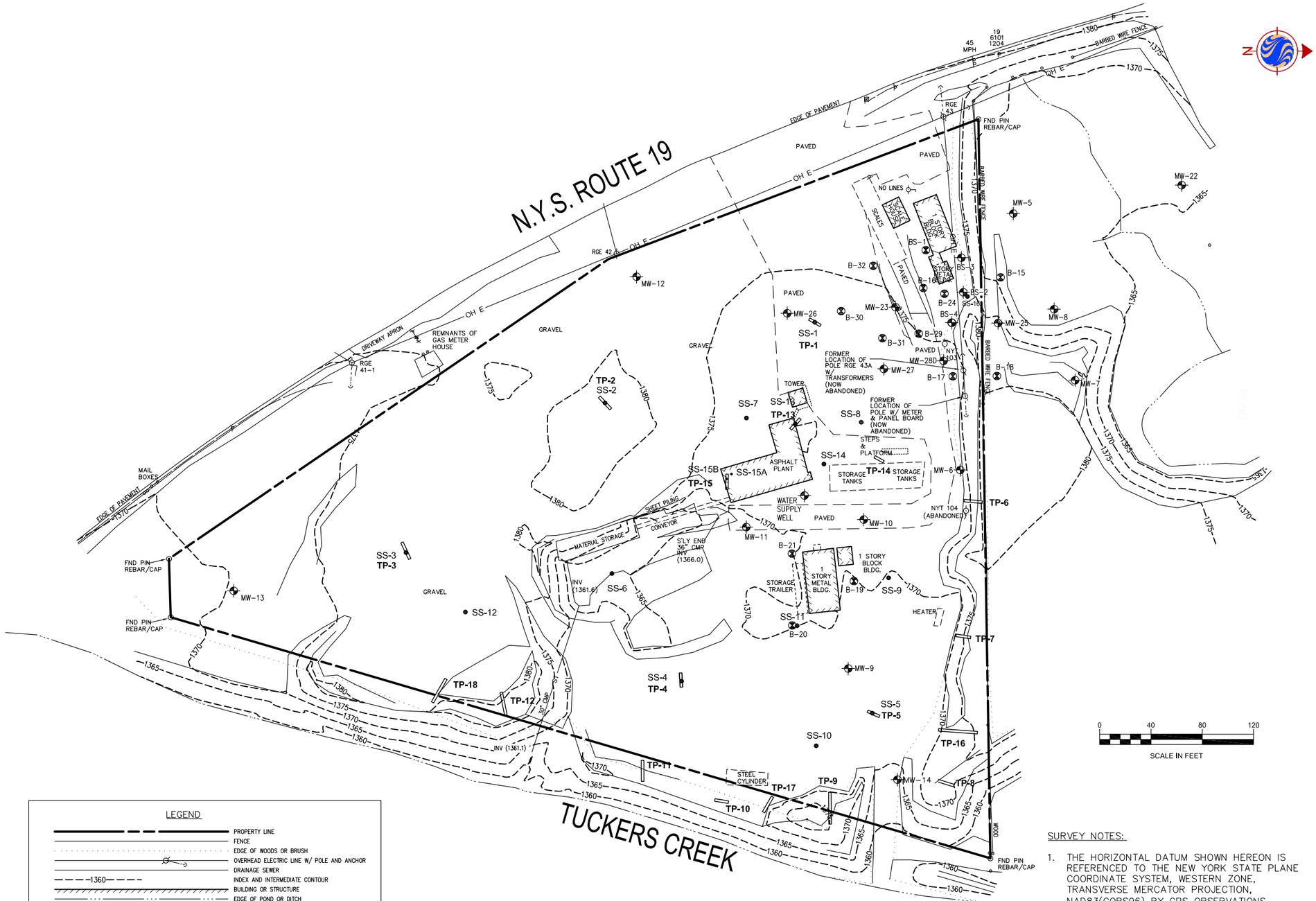
0 1,000 2,000 4,000 Feet

Allegany Bitumens Belmont Asphalt Plant Site

FIGURE 1 : Site Location Map Showing USGS Topographic Information



LEGEND

- PROPERTY LINE
- FENCE
- EDGE OF WOODS OR BRUSH
- OVERHEAD ELECTRIC LINE W/ POLE AND ANCHOR
- DRAINAGE SEWER
- 1360 INDEX AND INTERMEDIATE CONTOUR
- BUILDING OR STRUCTURE
- EDGE OF POND OR DITCH
- SIGNS
- B-19 BOREHOLE
- MW-27 MONITORING WELL
- SS-16 SURFACE SOIL SAMPLING LOCATION
- TP-14 TEST PIT

SURVEY NOTES:

1. THE HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, WESTERN ZONE, TRANSVERSE MERCATOR PROJECTION, NAD83(CORS96) BY GPS OBSERVATIONS.
2. THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1988 BY GPS OBSERVATIONS.
3. PROPERTY LINES SHOWN HEREON ARE TAKEN FROM A SURVEY MAP PREPARED BY B&R SURVEYING, P.L.L.C, ENTITLED "PLAN OF LANDS OWNED BY ALLEGANY BITUMENS, INC." NOVEMBER 16, 2009 AND HAVING JOB NUMBER 09-067.

U:\190500593\drawing\Rl Report Figures\Figure 2 Topographic Survey .dwg
2011-06-30 3:34 PM By:Heller, Andy

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Legend

Notes

Revision	By	Appd.	YY.MM.DD
FOR REVIEW	MJG	JWP	11.02.08
Issued	By	Appd.	YY.MM.DD
File Name: Figure 2 Topographic Survey.dwg	MJG Dwn.	JWP Chkd.	11.02.07 Dsgn. YY.MM.DD

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STATE OF NEW YORK JOSEPH WESLEY HOOVER LICENSED 050495 LAND SURVEYOR

Project/ Client

ALLEGANY BITUMENS
BELMONT ASPHALT PLANT

BLADES HOLDING COMPANY, INC.

Title

TOPOGRAPHIC SURVEY

Project No.	Scale	
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Drawing No.	Sheet	Revision
Figure 2	1 of 1	0

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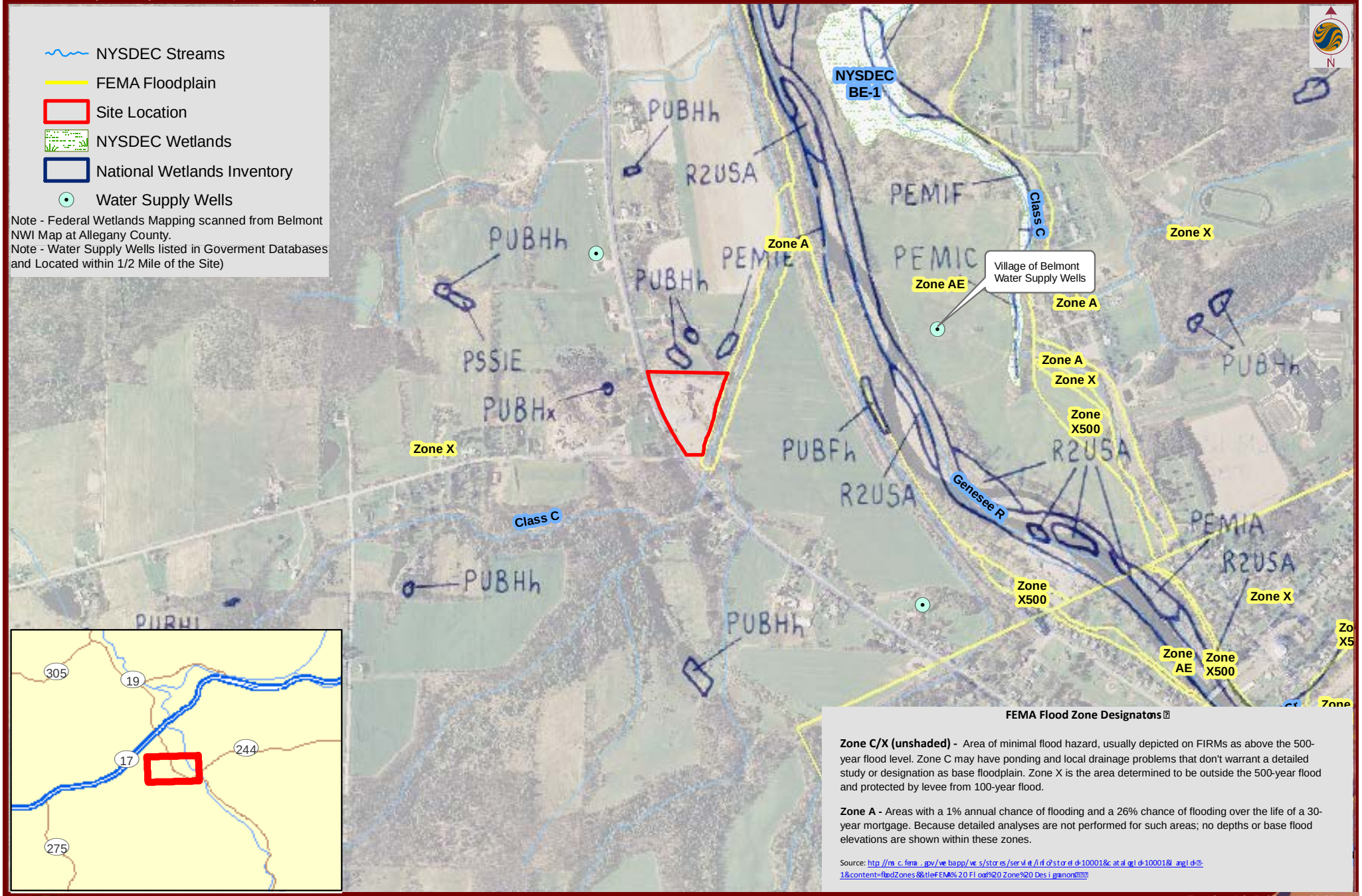
This map may contain data from a variety of sources. This map is not intended to replace a survey by a Licensed Surveyor.
Stantec does not certify the accuracy of the data. This map is for reference only and should not be used for construction.



FEMA Flood Zone Designations

Zone C/X (unshaded) - Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level. Zone C may have ponding and local drainage problems that don't warrant a detailed study or designation as base floodplain. Zone X is the area determined to be outside the 500-year flood and protected by levee from 100-year flood.

Zone A - Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones.

Source: http://msc.fema.gov/webapp/wcs/stores/servlet/info?storeId=10001&catalogId=10001&langId=-1&content=floodZones&title=FEMA%20Flood%20Zone%20Designations

Geographic Information Systems

Cartographic Design By: Travis Money

Tuesday, July 5, 2011 11:08:30 AM
U:\190500593\drawing\RI Report Figures\Figure_3_Watercourses_Waterwells_Wetlands_geo.mxd

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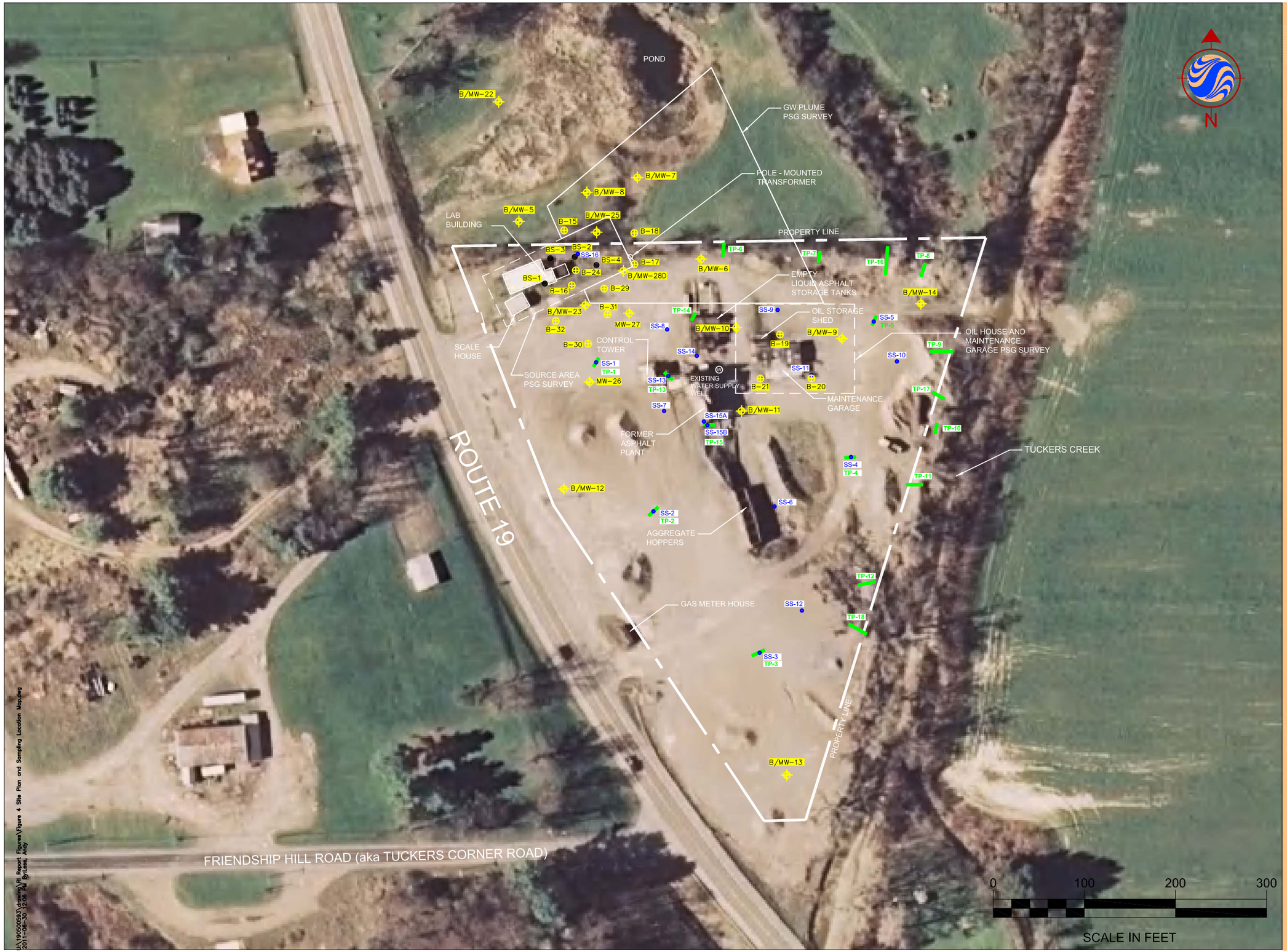
0 250 500 1,000 1,500 Feet

Former Allegany Bitumens Belmont Asphalt Plant Site

FIGURE 3: Location of Watercourses, Waterwells and Wetlands in Area



I:\190500593\drawing\RI Report Figures\Figure 4 Site Plan and Sampling Location Map.dwg
2011-06-30 12:06 PM By:Lees, Andy

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Legend

- PREVIOUS TEST BORING/WELL (2009 PHASE II ESA)
- EXISTING WATER SUPPLY WELL
- TEST BORING
- RI TEST BORING/MONITORING WELL
- SURFACE SOIL SAMPLE
- TEST PIT

Notes

1. MAP REFERENCE : INFORMATION ON THIS MAP IS REFERENCED FROM MAP ENTITLED "PLAN OF LANDS OWNED BY: ALLEGANY BITUMENS, INC , SITUATE IN THE TOWN OF AMITY, COUNTY OF ALLEGANY, STATE OF NEW YORK, AND BEING A PORTION OF GREAT LOT # 18, TOWNSHIP #3, RANGE #2 OF THE ROBERT MORRIS RESERVE.

2. AERIAL MAPPING OBTAINED FROM THE NEW YORK STATE CLEARINGHOUSE GIS WEB SITE. PHOTO DATED 2007.

3. PSG = PASSIVE SOIL GAS

RI REPORT	SRS	MPS	11.07
Issued	By	Appd.	YY.MM.DD

File Name: Figure 4 Site Plan and Sampling Location Map

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SITE PLAN AND
SAMPLE LOCATION MAP

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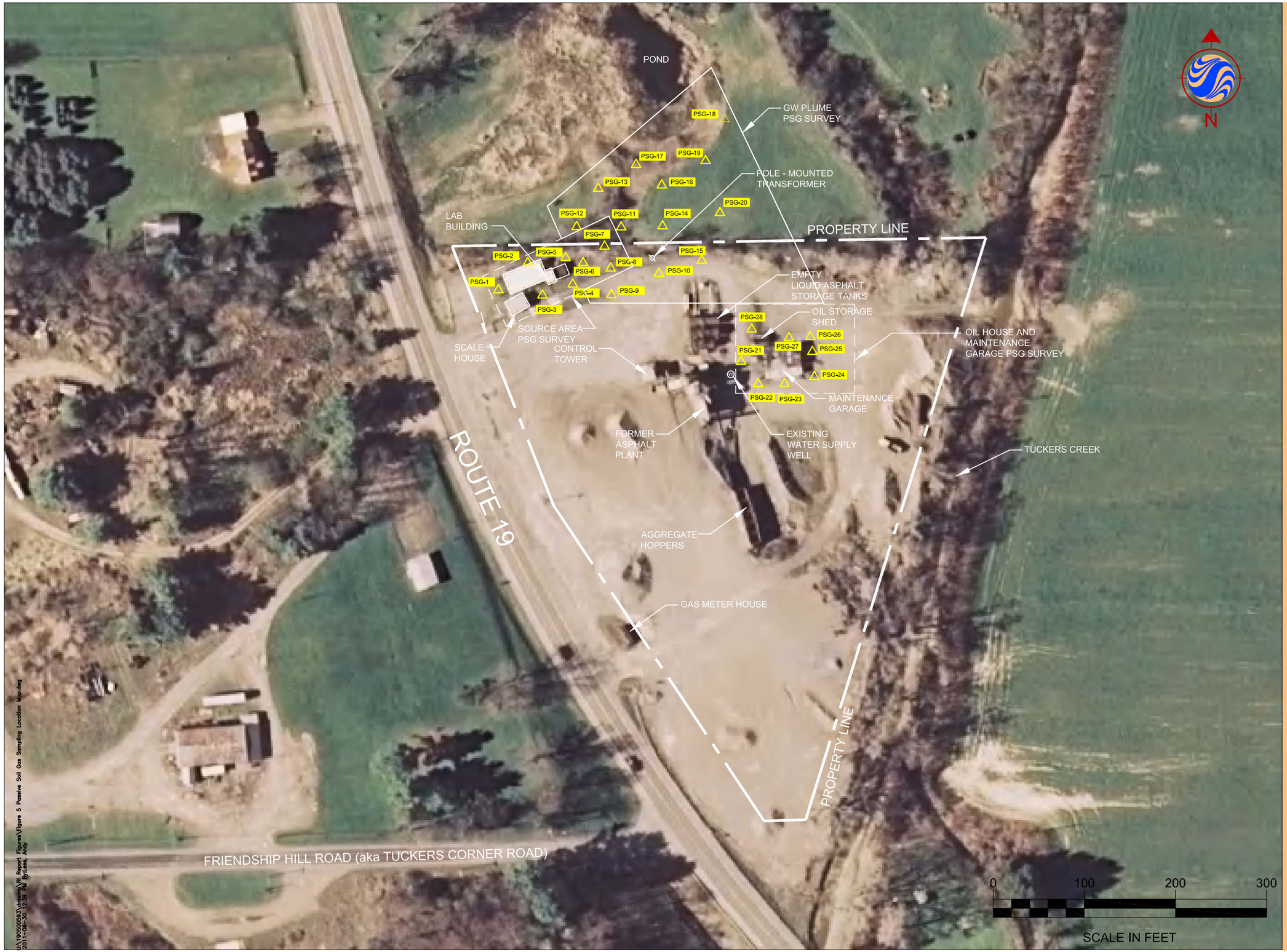
Drawing No.	Sheet	Revision
FIG. 4	of	



I:\190500593\drawing\RI Report Figures\Figure 5 Passive Soil Gas Sampling Location Map.dwg
2011-06-30 12:39 By: Latest Andy

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PSG	PASSIVE SOIL GAS SAMPLING LOCATION
W	EXISTING WATER SUPPLY WELL

Notes

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File Name: Figure 5 Passive Soil Gas Sampling Location Map.dwg

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Title

PASSIVE SOIL GAS
SAMPLE LOCATION MAP

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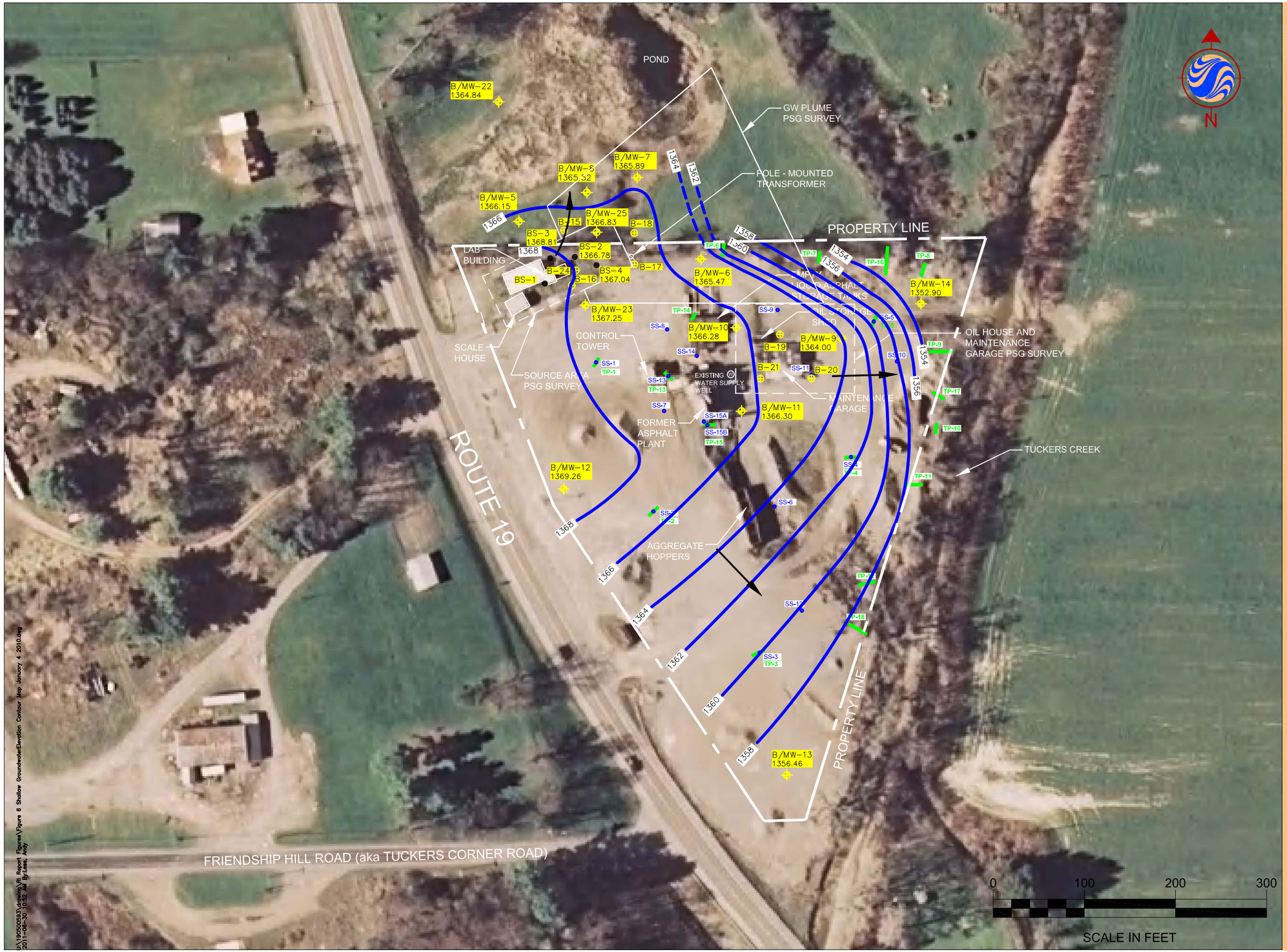

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\\A\190500593\drawing\RI Report Figures\Figure 6 Shallow GroundwaterElevation Contour Map January 4 2010.dwg
2011-06-30 10:52:32 AM By:Lewis, Andy

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- PREVIOUS TEST BORING / SHALLOW WELL (2009 PHASE II ESA) WITH GROUNDWATER ELEVATION (FT AMSL)
- EXISTING WATER SUPPLY WELL
- TEST BORING
- RI TEST BORING / SHALLOW MONITORING WELL WITH GROUNDWATER ELEVATION (FT AMSL)
- SURFACE SOIL SAMPLE
- TEST PIT
- GROUNDWATER ELEVATION CONTOUR (FT AMSL) (DASHED WHERE INFERRED)
- APPARENT DIRECTION OF GROUNDWATER FLOW

Notes

1. MAP REFERENCE : INFORMATION ON THIS MAP IS REFERENCED FROM MAP ENTITLED "PLAN OF LANDS OWNED BY: ALLEGANY BITUMENS, INC , SITUATE IN THE TOWN OF AMITY, COUNTY OF ALLEGANY, STATE OF NEW YORK, AND BEING A PORTION OF GREAT LOT # 18, TOWNSHIP #3, RANGE #2 OF THE ROBERT MORRIS RESERVE.

2. AERIAL MAPPING OBTAINED FROM THE NEW YORK STATE CLEARINGHOUSE GIS WEB SITE. PHOTO DATED 2007.

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File Name: Figure 6 Shallow GroundwaterElevation Contour Map January 4 2010

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Title

SHALLOW GROUNDWATER ELEVATION
CONTOUR MAP
JANUARY 4, 2011

Project No.	Scale	
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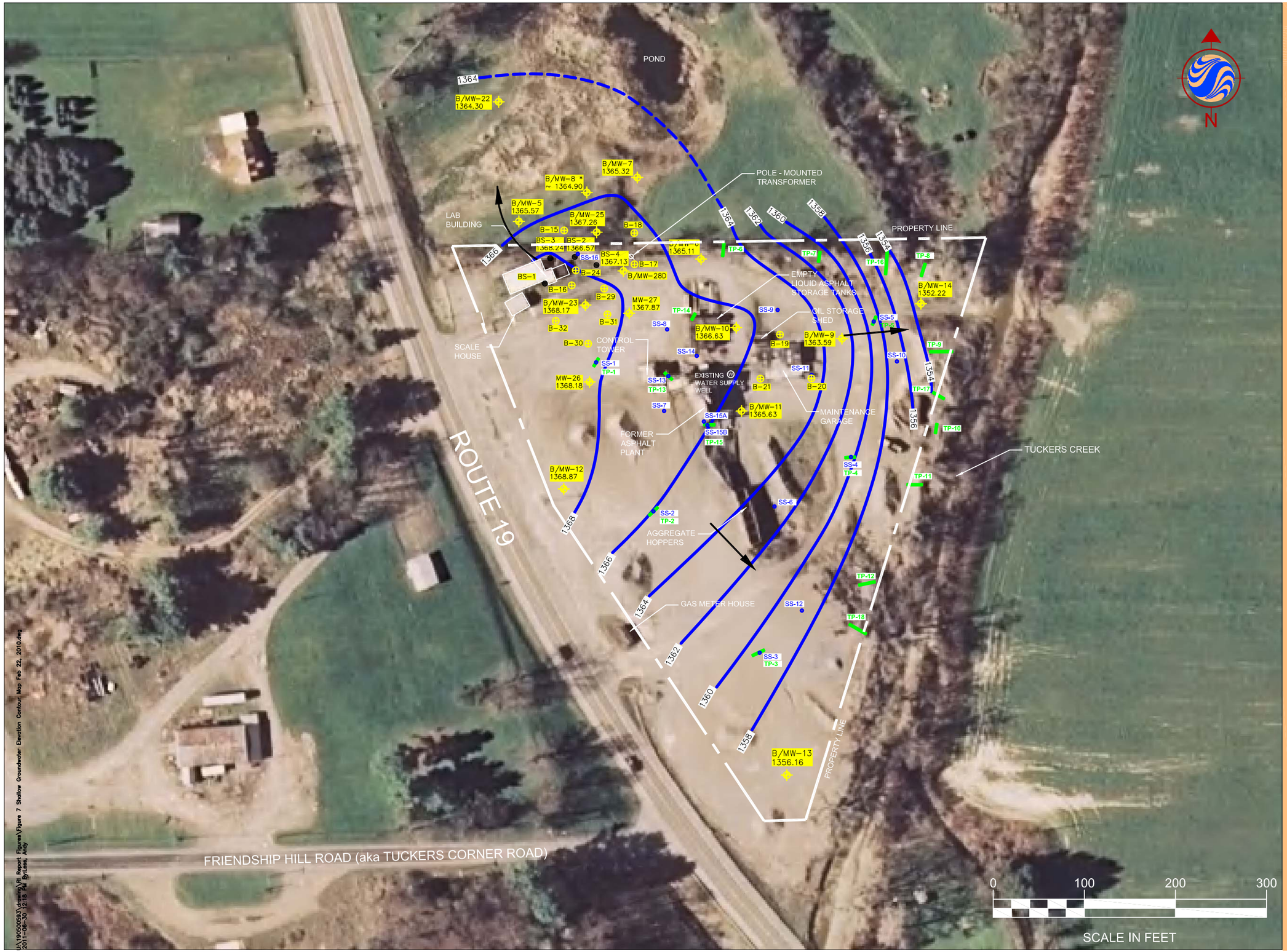
FIG. 6	of	



I:\190500593\drawing\RI Report Figures\Figure 7 Shallow Groundwater Elevation Contour Map Feb 22, 2010.dwg
2011-06-30 12:18 By: Lewis, Andy

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- EXISTING WATER SUPPLY WELL
- TEST BORING
- RI TEST BORING/MONITORING WELL WITH GROUNDWATER ELEVATION (ft AMSL)
- SURFACE SOIL SAMPLE
- TEST PIT
- GROUNDWATER ELEVATION CONTOUR (ft AMSL) (DASHED WHERE INFERRED), FEB 22, 2011
- APPARENT DIRECTION OF GROUNDWATER FLOW

Notes

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2. AERIAL MAPPING OBTAINED FROM THE NEW YORK STATE CLEARINGHOUSE GIS WEB SITE. PHOTO DATED 2007.

3. * ELEVATION FOR B/MW-8 CONSIDERED APPROXIMATE BECAUSE THIS IS THE LEVEL AT WHICH THE WATER WAS FROZEN IN THE WELL.

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RI REPORT	SRS	MPS	11.07
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File Name: Figure 7 Shallow Groundwater Elevation Contour Map Feb 22, 2010

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SHALLOW GROUNDWATER ELEVATION CONTOUR MAP
FEBRUARY 22, 2011

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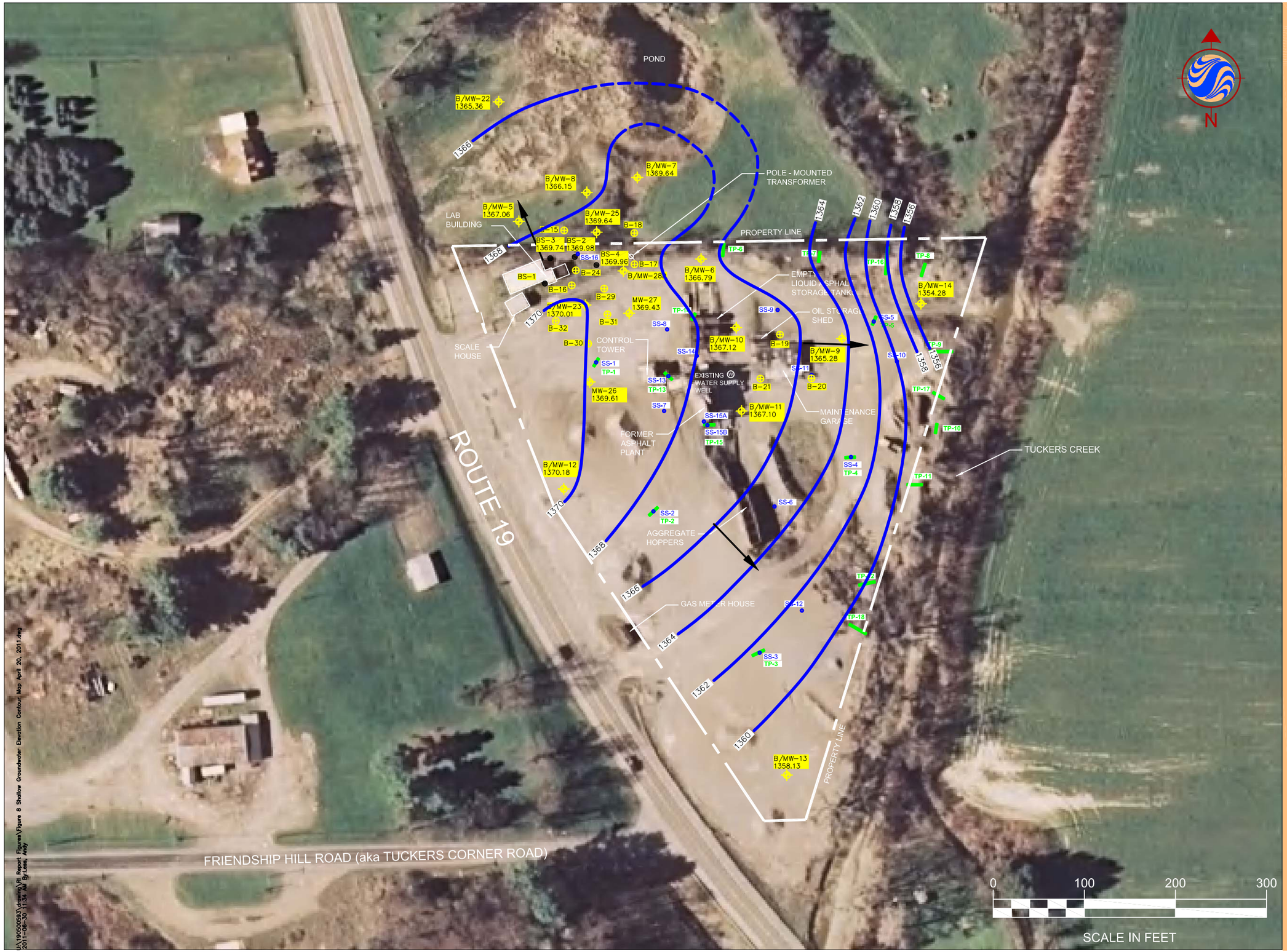

I:\190500593\drawing\RI Report Figures\Figure 8 Shallow Groundwater Elevation Contour Map April 20, 2011.dwg
2011-06-30 11:34 AM By:Lewis, Andy

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- EXISTING WATER SUPPLY WELL
- TEST BORING
- RI TEST BORING/MONITORING WELL WITH GROUNDWATER ELEVATION (ft AMSL)
- SURFACE SOIL SAMPLE
- TEST PIT
- GROUNDWATER ELEVATION CONTOUR (ft AMSL) (DASHED WHERE INFERRED), APRIL 20, 2011
- APPARENT DIRECTION OF GROUNDWATER FLOW

Notes

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2. AERIAL MAPPING OBTAINED FROM THE NEW YORK STATE CLEARINGHOUSE GIS WEB SITE. PHOTO DATED 2007.

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Issued			

File Name: Figure 8 Shallow Groundwater Elevation Contour Map April 20, 2011

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ALLEGANY BITUMENS
BELMONT ASPHALT PLANT

BLADES HOLDING COMPANY, INC.

Title

SHALLOW GROUNDWATER ELEVATION CONTOUR MAP
APRIL 20, 2011

Project No.	Scale	
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Drawing No.	Sheet	Revision
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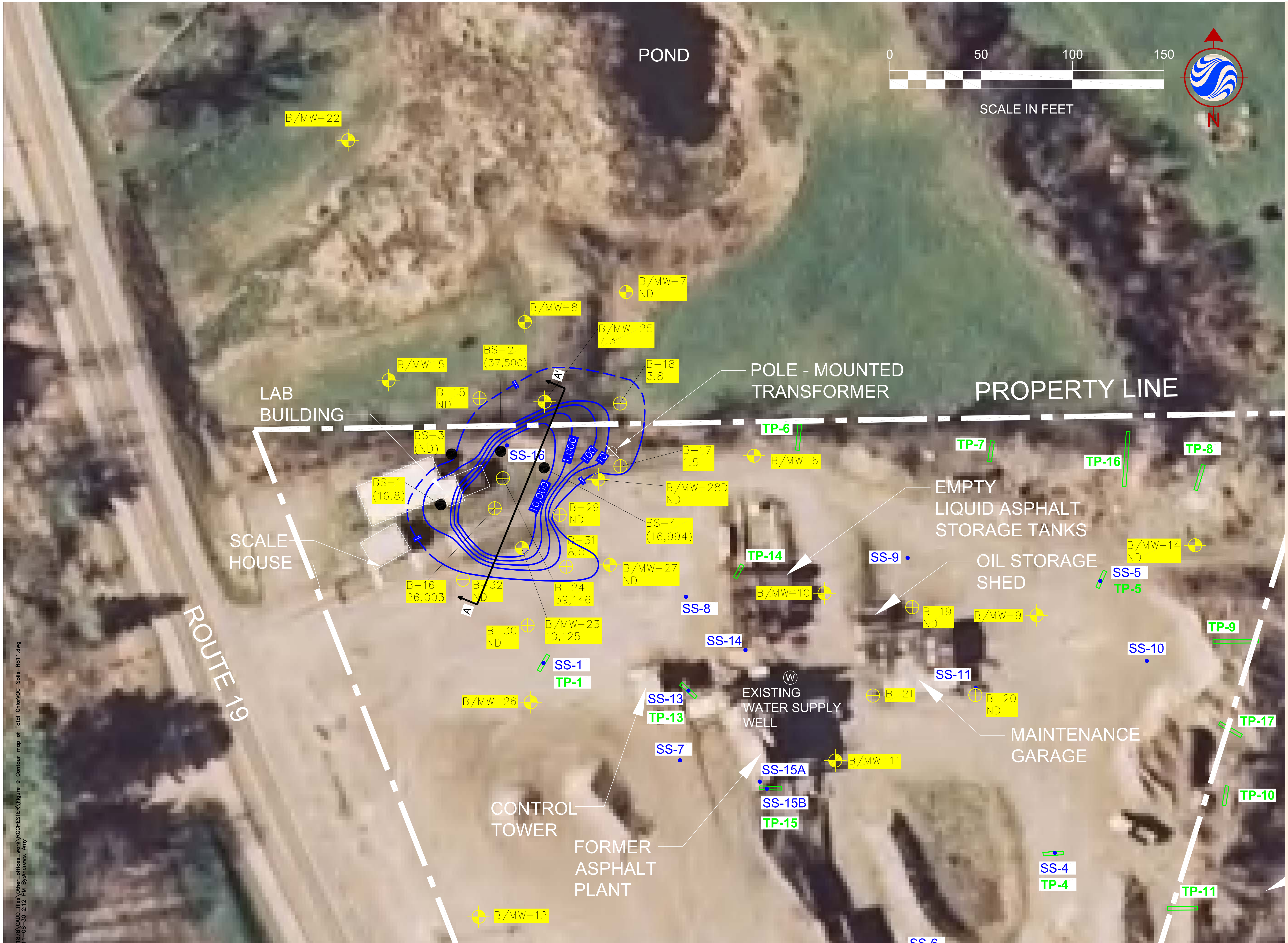

V:\1878\CADD_files\Other_offices_work\ROCHESTER\Figure 9 Contour map of Total ChlorVOC-Soils-R811.dwg
2011-08-30 2:12 PM By:Andrews, Amy

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●	PREVIOUS TEST BORING / SHALLOW WELL (2009 PHASE II ESA)
Ⓦ	EXISTING WATER SUPPLY WELL
⊕	TEST BORING
⊕	RI TEST BORING / MONITORING WELL
●	SURFACE SOIL SAMPLE
▭	TEST PIT
～	CHLORINATED VOCs IN SOIL CONTOUR (ug/kg) (DASHED WHERE INFERRED)
7.3	NOV. 2010 – FEB. 2011 CHLORINATED VOC CONCENTRATION (ug/kg)
(16.8)	DEC. 2009 CHLORINATED VOC CONCENTRATION (ug/kg)
A A'	LOCATION OF CROSS SECTION (SEE FIGURE 10)

Notes

1. MAP REFERENCE : INFORMATION ON THIS MAP IS REFERENCED FROM MAP ENTITLED "PLAN OF LANDS OWNED BY: ALLEGANY BITUMENS, INC , SITUATE IN THE TOWN OF AMITY, COUNTY OF ALLEGANY, STATE OF NEW YORK, AND BEING A PORTION OF GREAT LOT # 18, TOWNSHIP #3, RANGE #2 OF THE ROBERT MORRIS RESERVE.

2. AERIAL MAPPING OBTAINED FROM THE NEW YORK STATE CLEARINGHOUSE GIS WEB SITE. PHOTO DATED 2007.

3. * WITH THE EXCEPTION OF BS-1 TO BS-4, WHICH WERE 2009 PHASE II BORINGS, ALL DATA CONTOURED ARE 2010 TO 2011 RI DATA.

4. AT WELLS WHERE A CONCENTRATION IS NOT LISTED, EITHER A SAMPLE WAS NOT TAKEN AT THE WATER TABLE (i.e. B/MW-9, ect.) OR THE SAMPLE WAS NOT ANALYZED FOR VOC's (MW-12 & MW-13 [NOT SHOWN]).

5. CONCENTRATIONS INCLUDE CHLORINATED ETHENES AND ETHANES.

Issued	By	Appd.	YY.MM.DD
RI REPORT	SRS	MPS	11.07

File Name: Figure 9 Contour map of Total ChlorVOC-Soils-R811

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Project/ Client

ALLEGANY BITUMENS
BELMONT ASPHALT PLANT

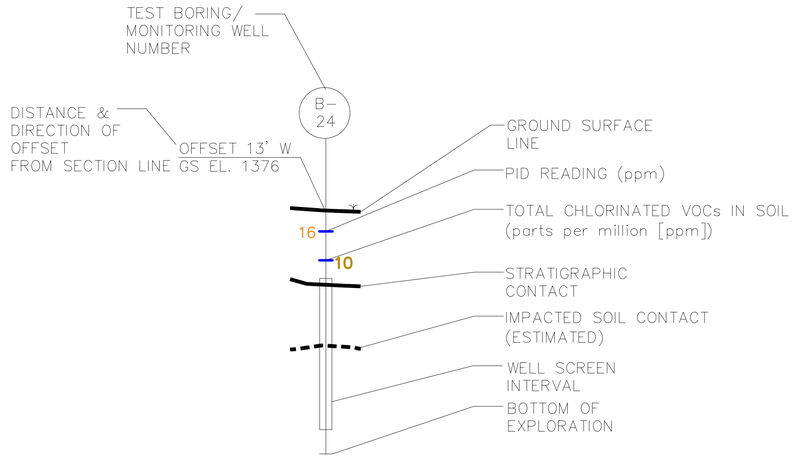
BLADES HOLDING COMPANY, INC.

Title

CONTOUR MAP OF TOTAL CHLORINATED VOC CONCENTRATIONS IN SOILS AT OR NEAR THE WATER TABLE (ug/kg), 2009-2011 *

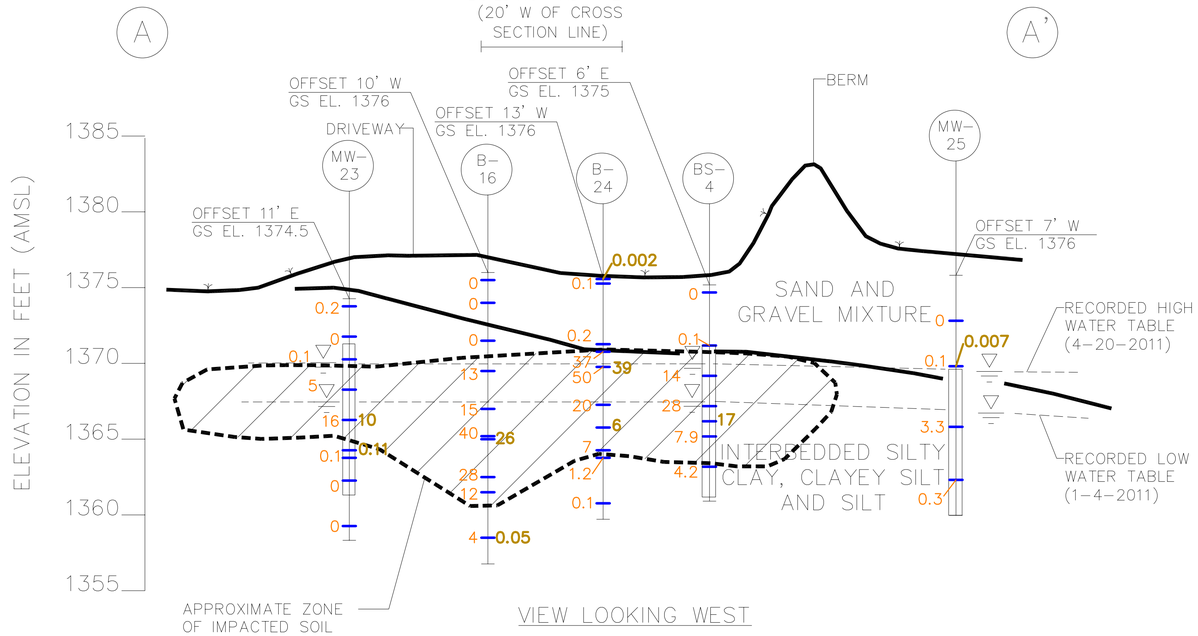
Project No.	Scale
190500593	AS SHOWN

Drawing No.	Sheet	Revision
FIG. 9	of	

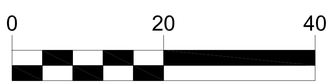


LEGEND

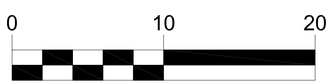
NOTE:
SEE FIGURE 9 FOR THE LOCATION OF CROSS SECTION A-A'



VIEW LOOKING WEST



HORIZONTAL SCALE IN FEET



VERTICAL SCALE IN FEET

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Legend

Notes

Revision	By	Appd.	YY.MM.DD
FOR REVIEW	MJG	JWP	11.08.08
Issued	By	Appd.	YY.MM.DD

File Name: Figure 9 Cross Section-R811.dwg
Dwn. MJG | Chkd. JWP | Dsgn. | 11.02.07 YY.MM.DD

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Project/ Client
ALLEGANY BITUMENS
BELMONT ASPHALT PLANT

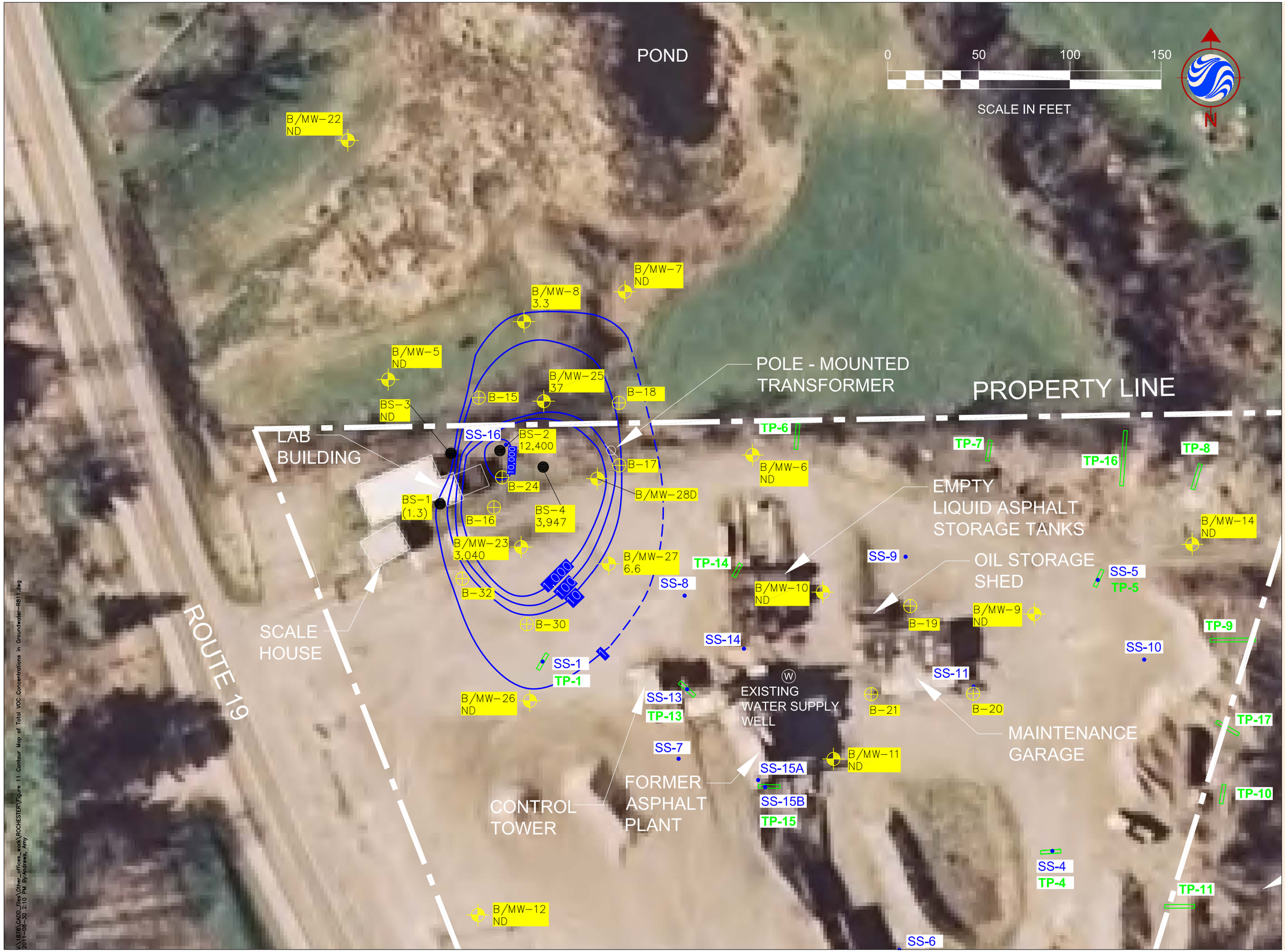
BLADES HOLDING COMPANY, INC.

Title
CROSS SECTION OF SOIL CONDITIONS IN LABORATORY AREA

Project No. 190500593
Scale 1"=40'
Drawing No. Figure 10
Sheet 1 of 1
Revision 0

V:\1878\CADD_files\Other_offices_work\ROCHESTER\Figure 9 Cross Section-R811.dwg
2011-09-01 8:20 AM ByAndrews, Amy

ORIGINAL SHEET – 22 X 34



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- PREVIOUS TEST BORING / SHALLOW WELL (2009 PHASE II ESA)
- EXISTING WATER SUPPLY WELL
- TEST BORING
- RI TEST BORING / MONITORING WELL
- SURFACE SOIL SAMPLE
- TEST PIT
- CHLORINATED VOC GROUNDWATER CONTOUR (ug/L) (DASHED WHERE INFERRED)
- 6.6 JAN. – FEB. 2011 CHLORINATED VOC CONCENTRATION (ug/L)
- (1.3) DEC. 2009 CHLORINATED VOC CONCENTRATION (ug/L)

Notes

1. MAP REFERENCE : INFORMATION ON THIS MAP IS REFERENCED FROM MAP ENTITLED "PLAN OF LANDS OWNED BY: ALLEGANY BITUMENS, INC , SITUATE IN THE TOWN OF AMITY, COUNTY OF ALLEGANY, STATE OF NEW YORK, AND BEING A PORTION OF GREAT LOT # 18, TOWNSHIP #3, RANGE #2 OF THE ROBERT MORRIS RESERVE.

2. AERIAL MAPPING OBTAINED FROM THE NEW YORK STATE CLEARINGHOUSE GIS WEB SITE. PHOTO DATED 2007.

3. * WITH THE EXCEPTION OF BS–1, WHICH WAS A TEMPORARY DEC. 2009 PHASE II WELL, ALL DATA CONTOURED ARE JAN TO FEB. 2011 RI DATA.

4. CONCENTRATIONS INCLUDE CHLORINATED ETHENES & ETHANES.

RI REPORT	SRS	MPS	11.07
Issued	By	Appd.	YY.MM.DD

File Name: Figure 11 Contour Map of Total VOC Concentrations in Groundwater–R811

Permit-Seal

Project/ Client

ALLEGANY BITUMENS
BELMONT ASPHALT PLANT

BLADES HOLDING COMPANY, INC.

Title

CONTOUR MAP OF
TOTAL CHLORINATED VOC
CONCENTRATIONS IN SHALLOW
GROUNDWATER (ug / L), JAN - FEB 2011 *

Project No.	Scale
190500593	AS SHOWN

Drawing No. | Sheet | Revision

FIG. 11 of

ORIGINAL SHEET – 22 X 34

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Legend

- PREVIOUS TEST BORING / SHALLOW WELL (2009 PHASE II ESA)
- (W) EXISTING WATER SUPPLY WELL
- TEST BORING / RI TEST BORING / MONITORING WELL
- SURFACE SOIL SAMPLE
- TEST PIT
- CHLORINATED VOC GROUNDWATER CONTOUR (ug/L) (DASHED WHERE INFERRED)
- 8.5 APRIL 2011 CHLORINATED VOC CONCENTRATION (ug/L)
- (1.3) CHLORINATED VOC CONCENTRATION (ug/L) FROM SAMPLING ROUND PRIOR TO APRIL 2011

Notes

1. MAP REFERENCE : INFORMATION ON THIS MAP IS REFERENCED FROM MAP ENTITLED "PLAN OF LANDS OWNED BY: ALLEGANY BITUMENS, INC , SITUATE IN THE TOWN OF AMITY, COUNTY OF ALLEGANY, STATE OF NEW YORK, AND BEING A PORTION OF GREAT LOT # 18, TOWNSHIP #3, RANGE #2 OF THE ROBERT MORRIS RESERVE.

2. AERIAL MAPPING OBTAINED FROM THE NEW YORK STATE CLEARINGHOUSE GIS WEB SITE. PHOTO DATED 2007.

3. * APRIL 2011 CONCENTRATIONS ARE PRESENTED WHERE SAMPLES WERE TAKEN. WHERE SAMPLES WERE NOT TAKEN , CONCENTRATIONS FROM PREVIOUS (DEC 2009 TO FEB 2011) SAMPLING ROUNDS ARE PRESENTED IN PARENTHESES.

4. CONCENTRATIONS INCLUDE CHLORINATED ETHENES AND ETHANES.

RI REPORT	SRS	MPS	11.07
Issued	By	Appd.	YY.MM.DD

File Name: Figure 12 Total Chlorinated VOC in Groundwater April 2011-R811

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Project/ Client

ALLEGANY BITUMENS
BELMONT ASPHALT PLANT

BLADES HOLDING COMPANY, INC.

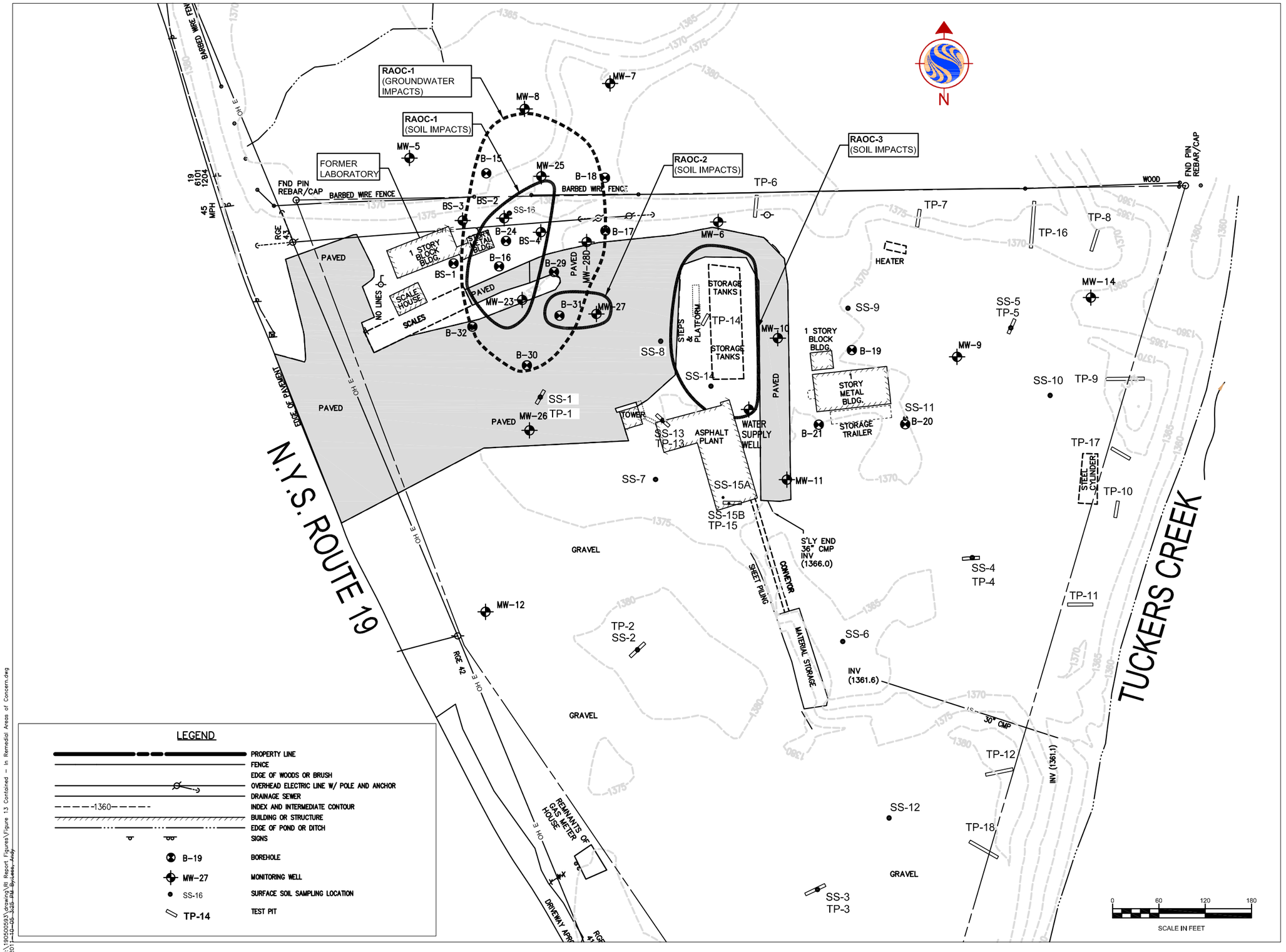
Title

CONTOUR MAP OF
TOTAL CHLORINATED VOC
CONCENTRATIONS IN SHALLOW
GROUNDWATER (ug / L), APRIL 2011

Project No.	Scale
190500593	AS SHOWN

Drawing No.	Sheet	Revision
FIG. 12	of	

ORIGINAL SHEET – 22 X 34



LEGEND

- PROPERTY LINE
- FENCE
- EDGE OF WOODS OR BRUSH
- OVERHEAD ELECTRIC LINE W/ POLE AND ANCHOR
- DRAINAGE SEWER
- 1360 INDEX AND INTERMEDIATE CONTOUR
- BUILDING OR STRUCTURE
- EDGE OF POND OR DITCH
- SIGNS
- B-19 BOREHOLE
- MW-27 MONITORING WELL
- SS-16 SURFACE SOIL SAMPLING LOCATION
- TP-14 TEST PIT

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2011-10-05 3:25 PM By:kess, Andy

ORIGINAL SHEET – 22 X 34

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Legend

ESTIMATED LIMIT OF SOIL IMPACT

ESTIMATED LIMIT OF GROUNDWATER IMPACT

Notes

1. LIMITS OF RAOCS ARE ESTIMATED

Revision	By	Appd.	YY.MM.DD
FOR REVIEW	MJG	JWP	11.02.08
Issued	By	Appd.	YY.MM.DD
File Name: Figure 13 Contained – In Remedial Areas of Concern.dwg	MJG	JWP	11.02.07
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

STATE OF NEW YORK · JOSEPH WESLEY KESS · 050405 · LICENSED · LAND SURVEYOR

Project/ Client

ALLEGANY BITUMENS
BELMONT ASPHALT PLANT

BLADES HOLDING COMPANY, INC.

Title

REMEDIAL AREAS OF CONCERN

Project No.	Scale	
190500593	1"=60'	
Drawing No.	Sheet	Revision
Figure 13	1 of 1	0

TABLES

Table 1
Field Events Summary
Former Allegany Bitumens Belmont Asphalt Plant Remedial Investigation
5392 State Route 19
Amity, NY

Field Event	Locations	Start Date	End Date
Surface Soil Sampling and Test Pit Excavations	SS-1 to SS-15 and TP-1 to TP-18	10/25/2010	10/29/2010
Passive Soil Gas Module Instllation	PSG-1 to PSG-28	11/2/2010	11/2/2010
Passive Soil Gas Module Retrieval	PSG-1 to PSG-28	11/15/2011	11/15/2011
Remove Pump	Exisiting Water Supply Well (WSW)	11/29/2011	11/29/2011
Monitoring Well and Boring Installation	B/MW-5 through B/MW-14, B/MW-22, B/MW-23, B/MW-25, B-15 through B-21, and B-24	11/29/2010	12/7/2010
Groundwater Sampling	WSW	12/7/2010	12/7/2010
Montoring Well Development	B/MW-5 through B/MW-14, B/MW-22, B/MW-23, B/MW-25	12/7/2010	12/9/2010
Water Level Measurement	BS-2 through BS-4, B/MW-5 through B/MW-14, B/MW-22, B/MW-23, B/MW-25	1/4/2011	1/4/2011
Groundwater Sampling	BS-2 through BS-4, B/MW-5 through B/MW-14, B/MW-22, B/MW-23, B/MW-25	1/4/2011	1/7/2011
Hazardous Materials Survey	Site buildings and equipment, outdoor areas	1/31/2011	1/31/2011
Monitoring Well and Boring Installation	B/MW-26, B/MW-27, B/MW-28D, B-29 through B-32	2/1/2011	2/4/2011
Surface Soil Sampling	SS-16	2/3/2011	2/3/2011
Montoring Well Development	B/MW-26, B/MW-27, B/MW-28D	2/4/2011	2/7/2011
Water Level Measurement	BS-2 through BS-4, B/MW-5 through B/MW-14, B/MW-22, B/MW-23, B/MW-25 through B/MW-27, B/MW-28D, WSW	2/22/2011	2/22/2011
Groundwater Sampling	B/MW-26, B/MW-27, B/MW-28D	2/22/2011	2/22/2011
Aquifer Testing	B/MW-9, B/MW-11, B/MW-12, B/MW-23, B/MW-25, MW-28D	2/23/2011	2/24/2011
Ecological Evaluation	Site and Off-Site	4/20/2011	4/20/2011
Water Level Measurement	BS-2 through BS-4, B/MW-5 through B/MW-14, B/MW-22, B/MW-23, B/MW-25 through B/MW-27, B/MW-28D, WSW	4/20/2011	4/20/2011
Groundwater Sampling	BS-2 through BS-4, B/MW-5 through B/MW-8, B/MW-22, B/MW-23, B/MW-25	4/20/2011	4/21/2011
Water Well and Surface Water Survey	Adjoining property	6/15/2011	6/15/2011
Investigation Derived Waste Drum Pickup	Drum Staging Area	6/15/2011	6/15/2011

Table 2
Soil Sample Summary
Remedial Investigation
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Location Purpose	Sample Location	Sample Identification	Sample Date	Depth	Sample Type	Parent Sample	Sampling Company	Laboratory	Laboratory Sample Delivery Group	Anlaysis Completed								
										TCL Volatile Organic Compounds by EPA Method 8260B	TCL Semivolatile Organic Compounds by EPA Method 8270C	TCL Pesticides by EPA Method 8081A	TCL Polychlorinated Biphenyls by EPA Method 8082	TAL Metals by Methods 6010B/7471A	TCLP Volatiles by EPA Method 8260B	TCLP Metals by EPA Method 1311 & 6000/7000 Series	pH by EPA Method 9045C	Grain Size by Method ASTM D422
Borehole/Monitoring Well	B/MW-5	BA-B5-S	12/2/2010	8 - 8.7 ft			STANTEC	TALBU	RTK1728	X								
Borehole/Monitoring Well	B/MW-6	BA-B6-S	12/1/2010	2 - 2.8 ft			STANTEC	TALBU	RTK1728	X	X							
Borehole/Monitoring Well	B/MW-7	BA-B7-S	12/2/2010	4.7 - 5.1 ft			STANTEC	TALBU	RTK1728	X								
Borehole/Monitoring Well	B/MW-8	BA-B8-S	12/1/2010	11.5 - 12 ft			STANTEC	TALBU	RTK1728	X								
Borehole/Monitoring Well	B/MW-9	BA-B9-S	11/30/2010	8 - 10 ft			STANTEC	TALBU	RTK1728	X	X	X	X	X				
Borehole/Monitoring Well	B/MW-10	BA-B10-S	11/30/2010	8 - 9.6 ft			STANTEC	TALBU	RTK1728	X	X	X	X	X				
Borehole/Monitoring Well	B/MW-11	BA-B11-S	11/30/2010	8 - 9 ft			STANTEC	TALBU	RTK1728	X	X							
Borehole/Monitoring Well	B/MW-12	BA-B12-S	11/29/2010	8 - 9 ft			STANTEC	TALBU	RTK1728		X							
Borehole/Monitoring Well	B/MW-13	BA-B13-S	11/29/2010	8 - 8.6 ft			STANTEC	TALBU	RTK1728		X							
Borehole/Monitoring Well	B/MW-14	BA-B14-S	11/30/2010	8 - 10 ft			STANTEC	TALBU	RTK1728	X	X	X	X	X				
Borehole	B-15	BA-B15-S	12/2/2010	8 - 10.3 ft			STANTEC	TALBU	RTK1728	X	X	X	X	X				
Borehole	B-16	BA-B16-S	12/3/2010	10.8 - 11.2 ft			STANTEC	TALBU	RTK1728	X								
Borehole	B-16	BA-B16-S2	12/3/2010	17.5 - 18 ft			STANTEC	TALBU	RTK1728	X								
Borehole	B-17	BA-B17-S	12/3/2010	4.6 - 6.6 ft			STANTEC	TALBU	RTK1728	X	X	X	X	X				
Borehole	B-18	BA-B18-S	12/2/2010	9.2 - 9.7 ft			STANTEC	TALBU	RTK1728	X								
Borehole	B-19	BA-B19-S	12/3/2010	4 - 4.9 ft			STANTEC	TALBU	RTK1728	X	X							
Borehole	B-20	BA-B20-S	12/3/2010	4 - 4.8 ft			STANTEC	TALBU	RTK1728	X	X							
Borehole/Monitoring Well	B/MW-22	BA-B22-S	12/3/2010	15.5 - 16 ft			STANTEC	TALBU	RTK1728	X								
Borehole/Monitoring Well	B/MW-23	BA-B23-S2	12/6/2010	10 - 10.6 ft			STANTEC	TALBU	RTK1728	X								
Borehole/Monitoring Well	B/MW-23	BA-B23-S	12/6/2010	8 - 8.5 ft			STANTEC	TALBU	RTK1728	X								
Borehole	B-24	BA-B24-S	12/6/2010	0.2 - 0.6 ft			STANTEC	TALBU	RTK1728	X								
Borehole	B-24	BA-B24-S3	12/6/2010	10 - 10.7 ft			STANTEC	TALBU	RTK1728	X								
Borehole	B-24	BA-B24-S2	12/6/2010	6 - 6.6 ft			STANTEC	TALBU	RTK1728	X								
Borehole/Monitoring Well	B/MW-25	BA-B25-S	12/6/2010	6 - 7 ft			STANTEC	TALBU	RTK1728	X								
Borehole/Monitoring Well	B/MW-26	BA-B26-S	2/3/2011	8 - 8.4 ft			STANTEC	TALBU	480-1342-1	X								
Borehole/Monitoring Well	B/MW-27	BA-B27-S	2/3/2011	0.4 - 1.4 ft			STANTEC	TALBU	480-1342-1	X								
Borehole/Monitoring Well	B/MW-27	BA-B27-S2	2/3/2011	6.5 - 7.3 ft			STANTEC	TALBU	480-1342-1	X								
Borehole/Monitoring Well	B/MW-27	BA-B27-S2/D	2/3/2011	6.5 - 7.3 ft	Duplicate	BA-B27-S2	STANTEC	TALBU	480-1342-1	X								
Borehole/Monitoring Well	B/MW-28D	BA-B28D-S2	2/1/2011	39 - 40 ft	MS/MSD		STANTEC	TALBU	480-1342-1	X								
Borehole/Monitoring Well	B/MW-28D	BA-B28D-S	2/1/2011	5.3 - 5.8 ft			STANTEC	TALBU	480-1342-1	X								
Borehole	B-29	BA-B29-S	2/4/2011	4.5 - 6 ft			STANTEC	TALBU	480-1342-1	X								
Borehole	B-30	BA-B30-S	2/4/2011	4.6 - 5.4 ft			STANTEC	TALBU	480-1342-1	X								
Borehole	B-31	BA-B31-S	2/4/2011	0.3 - 0.9 ft			STANTEC	TALBU	480-1342-1	X								
Borehole	B-31	BA-B31-S2	2/4/2011	8 - 9 ft			STANTEC	TALBU	480-1342-1	X								
Borehole	B-32	BA-B32-S	2/7/2011	6 - 8.4 ft			STANTEC	TALBU	480-1342-1	X								
Geotechnical	B/MW-28D	BA-B28D-GT	2/1/2011	8 - 13 ft			STANTEC	TALBL	480-1363-1									X
Geotechnical	B/MW-28D	BA-B28D-GT2	2/1/2011	24 - 26 ft			STANTEC	TALBL	480-1363-1									X
Phase II Borehole	BS-S-1	BS-S-1	12/10/2009	8 - 9 ft			STANTEC	SPECTRUM	SB05469	X								
Phase II Borehole/Monitoring Well	BS-S-2	BS-S-2	12/10/2009	7 - 8 ft			STANTEC	SPECTRUM	SB05469	X								
Phase II Borehole/Monitoring Well	BS-S-3	BS-S-3	12/11/2009	8 - 9 ft			STANTEC	SPECTRUM	SB05538	X								
Phase II Borehole/Monitoring Well	BS-S-4	BS-S-4	12/11/2009	8 - 10 ft			STANTEC	SPECTRUM	SB05538	X								

Table 2
Soil Sample Summary
Remedial Investigation
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Location Purpose	Sample Location	Sample Identification	Sample Date	Depth	Sample Type	Parent Sample	Sampling Company	Laboratory	Laboratory Sample Delivery Group	Anlaysis Completed								
										TCL Volatile Organic Compounds by EPA Method 8260B	TCL Semivolatile Organic Compounds by EPA Method 8270C	TCL Pesticides by EPA Method 8081A	TCL Polychlorinated Biphenyls by EPA Method 8082	TAL Metals by Methods 6010B/7471A	TCLP Volatiles by EPA Method 8260B	TCLP Metals by EPA Method 1311 & 6000/7000 Series	pH by EPA Method 9045C	Grain Size by Method ASTM D422
Surface Soil	SS-3	BA-SS3-S	10/26/2010	6 - 7 ft			STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-4	BA-SS-4-S	10/26/2010	0 - 2 in			STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-5	BA-SS5-S	10/27/2010	1.4 - 1.4 ft			STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-6	BA-SS-6-S	10/25/2010	0 - 2 in			STANTEC	TALBU	RTJ1956		X	X	X	X				
Surface Soil	SS-6	BA-SS-6-S/D	10/25/2010	0 - 2 in	Duplicate	RTJ1956-01	STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-7	BA-SS-7-S	10/25/2010	0 - 2 in	MS/MSD		STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-8	BA-SS-8-S	10/25/2010	0 - 2 in			STANTEC	TALBU	RTJ1956		X	X	X	X				
Surface Soil	SS-9	BA-SS-9-S	10/26/2010	0 - 2 in			STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-10	BA-SS-10-S	10/25/2010	0 - 2 in			STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-11	BA-SS-11-S	10/25/2010	0 - 2 in			STANTEC	TALBU	RTJ1956		X							
Surface Soil	SS-12	BA-SS-12-S	10/25/2010	1 - 3 in			STANTEC	TALBU	RTJ1956		X	X	X	X				
Surface Soil	SS-13	BA-SS13-S	10/28/2010	0 - 2 in			STANTEC	TALBU	RTJ1956	X	X		X					
Surface Soil	SS-14	BA-SS14-S	10/28/2010	0 - 1 in			STANTEC	TALBU	RTJ1956	X	X							
Surface Soil	SS-15	BA-SS15-S	10/28/2010	0 - 2 in			STANTEC	TALBU	RTJ1956	X	X							
Surface Soil	SS-16	BA-SS16-S	2/3/2011	0 - 2 in			STANTEC	TALBU	480-1342-1		X	X	X	X				
Surface Soil	N/A	BA-SS-RB-W	10/25/2010	-	Rinsate		STANTEC	TALBU	RTJ1956		X	X	X	X				
Test Pit	TP-1	BA-TP-1-S	10/26/2010	1.4 - 1.8 ft			STANTEC	TALBU	RTJ1956		X							
Test Pit	TP-1	BA-TP-1-S2	10/26/2010	2.5 - 3 ft			STANTEC	TALBU	RTJ1956		X							
Test Pit	TP-2	BA-TP2-S	10/26/2010	9.5 - 10 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-3	BA-TP3-S	10/26/2010	10 - 18.5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-4	BA-TP4-S	10/26/2010	9 - 9.5 ft			STANTEC	TALBU	RTJ2029	X	X	X	X	X				
Test Pit	TP-5	BA-TP5-S	10/27/2010	3.5 - 4 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-7	BA-TP7-S	10/27/2010	0.5 - 2.5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-7	BA-TP7-S2	10/27/2010	2.5 - 3 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-8	BA-TP8-S	10/27/2010	2 - 4 ft			STANTEC	TALBU	RTJ2029	X	X	X	X	X				
Test Pit	TP-8	BA-TP8-S/D	10/27/2010	2 - 4 ft	Duplicate	RTJ2137-01	STANTEC	TALBU	RTJ2029	X	X	X	X	X				
Test Pit	TP-8	BA-TP8-S2	10/27/2010	4.5 - 5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-8	BA-TP8-S3	10/27/2010	5 - 5.5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-9	BA-TP9-S	10/27/2010	0 - 3 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-10	BA-TP10-S	10/27/2010	6 - 6.5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-11	BA-TP11-S	10/28/2010	4 - 5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-11	BA-TP11-S2	10/28/2010	5 - 5.5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-12	BA-TP12-S	10/28/2010	4 - 5 ft			STANTEC	TALBU	RTJ2029		X							
Test Pit	TP-13	BA-TP13-S	10/29/2010	2 - 2.5 ft			STANTEC	TALBU	RTJ2029			X	X	X				
Test Pit	TP-13	BA-TP13-S	10/29/2010	2 - 2.5 ft	MS/MSD		STANTEC	TALBU	RTJ2029	X	X							
Test Pit	TP-14	BA-TP14-S	10/29/2010	3 ft			STANTEC	TALBU	RTJ2029	X	X							
Test Pit	TP-14	BA-TP14-S/D	10/29/2010	3 ft	Duplicate	RTK0343-07	STANTEC	TALBU	RTJ2029	X	X							
Test Pit	TP-14	BA-TP14-S2	10/29/2010	6 ft			STANTEC	TALBU	RTJ2029	X	X							
Test Pit	TP-15	BA-TP15-S	10/29/2010	4 - 4.5 ft			STANTEC	TALBU	RTJ2029	X	X							
Test Pit	TP-17	BA-TP17-S	10/29/2010	3.5 - 4 ft			STANTEC	TALBU	RTJ2029	X	X	X	X	X				
Test Pit	TP-18	BA-TP18-S	10/29/2010	9.5 - 10 ft			STANTEC	TALBU	RTJ2029	X	X	X	X	X				
Test Pit	N/A	BA-TP-RB-W	10/26/2010	-	Rinsate		STANTEC	TALBU	RTJ1956	X	X	X	X	X				

Table 2
Soil Sample Summary
Remedial Investigation
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Location Purpose	Sample Location	Sample Identification	Sample Date	Depth	Sample Type	Parent Sample	Sampling Company	Laboratory	Laboratory Sample Delivery Group	Anlaysis Completed								
										TCL Volatile Organic Compounds by EPA Method 8260B	TCL Semivolatile Organic Compounds by EPA Method 8270C	TCL Pesticides by EPA Method 8081A	TCL Polychlorinated Biphenyls by EPA Method 8082	TAL Metals by Methods 6010B/7471A	TCLP Volatiles by EPA Method 8260B	TCLP Metals by EPA Method 1311 & 6000/7000 Series	pH by EPA Method 9045C	Grain Size by Method ASTM D422
Waste Characterization	IDW Drums	BA-DRUM8/9-S	1/31/2011	-			STANTEC	TALBU	480-1355-1						X			
	Burn Drum	BA-DRUM32-S	2/24/2011	-			STANTEC	TALBU	480-2035-1	X	X		X			X	X	

Notes:

EPA	United States Environmental Protection Agency
MS	Matrix Spike
MSD	Matrix Spike Duplicate
Rinsate	Rinsate Blank
TALBL	Test America Laboratories, Inc., Burlington, VT
TALBU	Test America Laboratories, Inc., Buffalo, NY
SPECTRUM	Spectrum Anlaytical Inc., Agawam, MA
N/A	Not applicable.
TCL	Target Compound List
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leachate Procedure
in	inch
ft	feet

Table 3
Groundwater Sample Summary
Remedial Investigation
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Location Purpose	Sample Location	Sample Identification	Sample Date	Sample Type	Parent Sample	Sampling Company	Laboratory	Laboratory Sample Delivery Group	Anlaysis Completed				
									TCL Volatile Organic Compounds by EPA Method 8260B	TCL Semivolatile Organic Compounds by EPA Method 8270C	TCL Pesticides by EPA Method 8081A	TCL Polychlorinated Biphenyls by EPA Method 8082	TAL Metals by Methods 6010B/7471A
Monitoring Well	BS-2	BA-BS2-W	1/5/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	BS-2	BA-BS2-R2-W	4/21/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	BS-3	BA-BS3-W	1/5/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	BS-3	BA-BS3-R2-W	4/21/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	BS-4	BA-BS4-W	1/4/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	BS-4	BA-BS4-R2-W	4/21/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-5	BA-MW5-W	1/5/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	B/MW-5	BA-MW5-RW-W	4/20/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-6	BA-MW6-W	1/6/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	B/MW-6	BA-MW6-R2-W	4/21/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-7	BA-MW7-W	1/5/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	B/MW-7	BA-MW7-R2-W	4/20/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-8	BA-MW8-W	1/7/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	B/MW-8	BA-MW8-R2-W	4/20/2011	MS/MSD		STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-9	BA-MW9-W	1/5/2011			STANTEC	TALBU	480-548-1	X	X	X	X	X
Monitoring Well	B/MW-9	BA-MW9-W/D	1/5/2011	Duplicate	BA-MW9-W	STANTEC	TALBU	480-548-1	X	X	X	X	X
Monitoring Well	B/MW-10	BA-MW10-W	1/6/2011			STANTEC	TALBU	480-548-1	X	X			
Monitoring Well	B/MW-11	BA-MW11-W	1/6/2011			STANTEC	TALBU	480-548-1	X	X	X	X	X
Monitoring Well	B/MW-12	BA-MW12-W	1/6/2011			STANTEC	TALBU	480-548-1	X	X			
Monitoring Well	B/MW-13	BA-MW13-W	1/6/2011			STANTEC	TALBU	480-548-1	X	X			
Monitoring Well	B/MW-14	BA-MW14-W	1/6/2011			STANTEC	TALBU	480-548-1	X	X			
Monitoring Well	B/MW-22	BA-MW22-W	1/5/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	B/MW-22	BA-MW22-R2-W	4/20/2011			STANTEC	TALBU	480-4050-1	X				
Monitoring Well	B/MW-23	BA-MW23-W	1/7/2011			STANTEC	TALBU	480-548-1	X				
Monitoring Well	B/MW-23	BA-MW23-R2-W	4/21/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-23	BA-MW23-R2-W/D	4/21/2011	Duplicate	BA-MW23-R2-W	STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-25	BA-MW25-W	1/5/2011			STANTEC	TALBU	480-548-1	X	X	X	X	X
Monitoring Well	B/MW-25	BA-MW-25-R2-W	4/20/2011			STANTEC	TALAM	480-4050-1	X				
Monitoring Well	B/MW-26	BA-MW26-W	2/22/2011	MS/MSD		STANTEC	TALBU	480-1891-1	X				
Monitoring Well	B/MW-27	BA-MW27-W	2/22/2011			STANTEC	TALBU	480-1891-1	X				
Monitoring Well	B/MW-27	BA-MW27-W/D	2/22/2011	Duplicate		STANTEC	TALBU	480-1891-1	X				
Monitoring Well	B/MW-28D	BA-MW28D-W	2/22/2011			STANTEC	TALBU	480-1891-1	X				
Monitoring Well	Trip Blank	BA-TB	12/7/2010	Trip Blank		STANTEC	TALBU	RTL0627	X				
Monitoring Well	Trip Blank	BA-TB010411-W	1/4/2011	Trip Blank		STANTEC	TALBU	480-548-1	X				
Monitoring Well	Trip Blank	BA-TB010511-W	1/5/2011	Trip Blank		STANTEC	TALBU	480-548-1	X				
Monitoring Well	Trip Blank	BA-TB010611-W	1/6/2011	Trip Blank		STANTEC	TALBU	480-548-1	X				
Monitoring Well	Trip Blank	BA-TB022211-W	2/22/2011	Trip Blank		STANTEC	TALBU	480-1891-1	X				
Monitoring Well	Trip Blank	BA-TB-042011-W	4/20/2011	Trip Blank		STANTEC	TALAM	480-4050-1	X				
Phase II Temporary Monitoring Well	BS-1	BS-GW-1	12/10/2009			STANTEC	SPECTRUM	SB05469	X				
Phase II Monitoring Well	BS-2	BS-GW-2	12/10/2009			STANTEC	SPECTRUM	SB05469	X				
Phase II Monitoring Well	BS-3	BS-GW-3	12/11/2009			STANTEC	SPECTRUM	SB05538	X				
Phase II Monitoring Well	BS-4	BS-GW-4	12/11/2009			STANTEC	SPECTRUM	SB05538	X				
Phase II Monitoring Well	Trip Blank	TRIP BLANK	12/11/2009	Trip Blank		STANTEC	SPECTRUM	SB05538	X				
Water Supply Well	WSW	BA-WSW-W	12/7/2010	MS/MSD		STANTEC	TALBU	RTL0627	X	X	X	X	X

See notes on next page.

Table 3
Groundwater Sample Summary
Remedial Investigation
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Notes:

EPA	United States Environmental Protection Agency
Rinsate	Rinsate Blank
TALAM	Test America Laboratories Inc., Amherst, NY
TALBU	Test America Laboratories, Inc., Buffalo, NY
SPECTRUM	Spectrum Anlaytical Inc., Agawam, MA
TCL	Target Compound List
TAL	Target Analyte List

Table 4
Summary of Analytical Results in Surface Soil
Remedial Investigation
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			**SS-13**	**SS-14**	**SS-15**
Sample Date			**28-Oct-10**	**28-Oct-10**	**28-Oct-10**
Sample ID			**BA-SS13-S**	**BA-SS14-S**	**BA-SS15-S**
Sample Depth			**0 - 2 in**	**0 - 1 in**	**0 - 2 in**
Sampling Company			**STANTEC**	**STANTEC**	**STANTEC**
Laboratory			**TALAM**	**TALAM**	**TALAM**
Laboratory Work Order			**RTJ1956**	**RTJ1956**	**RTJ1956**
Laboratory Sample ID			**RTK0340-01**	**RTK0340-02**	**RTK0340-03**
Sample Type	**Units**	**6NYCRR**			
General Chemistry					
Total Solids	%	n/v	**80**	**94**	**90**
Volatile Organic Compounds					
Acetone	µg/kg	500000$_c$[A] 1000000$_d$[B]	31 U	27 U	28 U
Benzene	µg/kg	44000[A] 89000[B]	6.2 U	5.3 U	5.5 U
Bromodichloromethane	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Bromoform (tribromomethane)	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Bromomethane (Methyl bromide)	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Carbon Disulfide	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22000[A] 44000[B]	6.2 U	5.3 U	5.5 U
Chlorinated Fluorocarbon (Freon 113)	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Chloroethane (Ethyl Chloride)	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Chloroform	µg/kg	350000[A] 700000[B]	6.2 U	5.3 U	5.5 U
Chloromethane	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Cyclohexane	µg/kg	n/v	6.2 U	5.3 U	5.5 U
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/kg	n/v	6.2 U	5.3 U	5.5 U
Dibromochloromethane	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Dichlorobenzene, 1,2-	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Dichlorobenzene, 1,3-	µg/kg	280000[A] 560000[B]	6.2 U	5.3 U	5.5 U
Dichlorobenzene, 1,4-	µg/kg	130000[A] 250000[B]	6.2 U	5.3 U	5.5 U
Dichlorodifluoromethane	µg/kg	n/v	6.2 U	5.3 U	5.5 U
Dichloroethane, 1,1-	µg/kg	240000[A] 480000[B]	6.2 U	5.3 U	5.5 U
Dichloroethane, 1,2-	µg/kg	30000[A] 60000[B]	6.2 U	5.3 U	5.5 U
Dichloroethylene, 1,1-	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Dichloroethylene, cis-1,2-	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Dichloroethylene, trans-1,2-	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Dichloropropane, 1,2-	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Dichloropropene, cis-1,3-	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Dichloropropene, trans-1,3-	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Ethylbenzene	µg/kg	390000[A] 780000[B]	6.2 U	5.3 U	5.5 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	6.2 U	5.3 U	5.5 U
Hexanone, 2-	µg/kg	500000$_c$[A] n/v[B]	31 U	27 U	28 U
Isopropylbenzene	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Methyl Acetate	µg/kg	n/v	6.2 U J	5.3 U J	5.5 U J
Methyl Ethyl Ketone (MEK)	µg/kg	500000$_c$[A] 1000000$_d$[B]	31 U	27 U	28 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500000$_c$[A] n/v[B]	31 U	27 U	28 U
Methyl tert-butyl ether (MTBE)	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Methylcyclohexane	µg/kg	n/v	6.2 U	5.3 U	5.5 U
Methylene Chloride (Dichloromethane)	µg/kg	500000$_c$[A] 1000000$_d$[B]	**7.5**	**9.0**	**8.2**
Styrene	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Tetrachloroethane, 1,1,2,2-	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Tetrachloroethylene (PCE)	µg/kg	150000[A] 300000[B]	6.2 U	5.3 U	5.5 U
Toluene	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Trichlorobenzene, 1,2,4-	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Trichloroethane, 1,1,1-	µg/kg	500000$_c$[A] 1000000$_d$[B]	6.2 U	5.3 U	5.5 U
Trichloroethane, 1,1,2-	µg/kg	500000$_c$[A] n/v[B]	6.2 U	5.3 U	5.5 U
Trichloroethylene (TCE)	µg/kg	200000[A] 400000[B]	6.2 U	5.3 U	5.5 U
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	6.2 U	5.3 U	5.5 U
Vinyl chloride	µg/kg	13000[A] 27000[B]	6.2 U	5.3 U	5.5 U
Xylenes, Total	µg/kg	500000$_c$[A] 1000000$_d$[B]	12 U	11 U	11 U
Total VOCs	µg/kg	n/v	**7.5**	**9.0**	**8.2**

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
[A]	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
[B]	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
[c]	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
[d]	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
in	inches

Table 4
Summary of Analytical Results in Surface Soil
Remedial Investigation
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			SS-3	SS-4	SS-5	SS-6		SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16
Sample Date			26-Oct-10	26-Oct-10	27-Oct-10	25-Oct-10	25-Oct-10	25-Oct-10	25-Oct-10	26-Oct-10	25-Oct-10	25-Oct-10	25-Oct-10	28-Oct-10	28-Oct-10	28-Oct-10	3-Feb-11
Sample ID			BA-SS3-S	BA-SS-4-S	BA-SS5-S	BA-SS-6-S	BA-SS-6-S/D	BA-SS-7-S	BA-SS-8-S	BA-SS-9-S	BA-SS-10-S	BA-SS-11-S	BA-SS-12-S	BA-SS13-S	BA-SS14-S	BA-SS15-S	BA-SS16-S
Sample Depth			6 - 7 ft	0 - 2 in	1.4 - 1.4 ft	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	1 - 3 in	0 - 2 in	0 - 1 in	0 - 2 in	0 - 2 in
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	480-1342-1
Laboratory Sample ID			RTJ2031-01	RTJ1956-11	RTJ2031-02	RTJ1956-01	RTJ1956-02	RTJ1956-04	RTJ1956-03	RTJ1956-12	RTJ1956-09	RTJ1956-07	RTJ1956-08	RTK0340-01	RTK0340-02	RTK0340-03	480-1409-5
Sample Type	Units	6NYCRR					Field Duplicate										
General Chemistry																	
Total Solids	%	n/v	82	93	83	89	89	91	93	90	91	88	92	80	94	90	-
Semi-Volatile Organic Compounds																	
Acenaphthene	µg/kg	500000$_c^A$ 1000000$_d^B$	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Acenaphthylene	µg/kg	500000$_c^A$ 1000000$_d^B$	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Acetophenone	µg/kg	n/v	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Anthracene	µg/kg	500000$_c^A$ 1000000$_d^B$	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Atrazine	µg/kg	n/v	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Benzaldehyde	µg/kg	n/v	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Benzo(a)anthracene	µg/kg	5600^A 11000^B	200 U	910 U D	**110 JD**	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	***8900 U D***	***18000 U D***	170 U
Benzo(a)pyrene	µg/kg	1000$_g^A$ 1100^B	200 U	910 U D	**100 JD**	950 U D	930 U D	180 U	***3600 U D***	***1900 U D***	190 U	***3800 U D***	180 U	***4200 U D***	***8900 U D***	***18000 U D***	170 U
Benzo(b)fluoranthene	µg/kg	5600^A 11000^B	200 U	910 U D	**120 JD**	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	***8900 U D***	***18000 U D***	170 U
Benzo(g,h,i)perylene	µg/kg	500000$_c^A$ 1000000$_d^B$	200 U	910 U D	**72 JD**	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Benzo(k)fluoranthene	µg/kg	56000^A 110000^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Bis(2-Chloroethoxy)methane	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Bis(2-Chloroethyl)ether	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Bromophenyl Phenyl Ether, 4-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Butyl Benzyl Phthalate	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Caprolactam	µg/kg	n/v	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Carbazole	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Chloro-3-methyl phenol, 4-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Chloroaniline, 4	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Chloronaphthalene, 2-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Chlorophenol, 2-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Chrysene	µg/kg	56000^A 110000^B	200 U	910 U D	**97 JD**	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	**34 J**	4200 U D	8900 U D	18000 U D	170 U
Cresol, o- (Methylphenol, 2-)	µg/kg	500000$_c^A$ 1000000$_d^B$	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Cresol, p- (Methylphenol, 4-)	µg/kg	500000$_c^A$ 1000000$_d^B$	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	7000 U D	3600 U D	360 U	7300 U D	350 U	8100 U D	17000 U D	36000 U D	330 U
Dibenzo(a,h)anthracene	µg/kg	560^A 1100^B	200 U	***910 U D***	***1000 U D***	***950 U D***	***930 U D***	180 U	***3600 U D***	***1900 U D***	190 U	***3800 U D***	180 U	***4200 U D***	***8900 U D***	***18000 U D***	170 U
Dibenzofuran	µg/kg	350000^A 1000000$_d^B$	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Dichlorobenzidine, 3,3'-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	200 U
Dichlorophenol, 2,4-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Diethyl Phthalate	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Dimethyl Phthalate	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Dimethylphenol, 2,4-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Di-n-Butyl Phthalate	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Dinitro-o-cresol, 4,6-	µg/kg	500000$_c^A$ n/v^B	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	7000 U D	3600 U D	360 U	7300 U D	350 U	8100 U D	17000 U D	36000 U D	330 U
Dinitrophenol, 2,4-	µg/kg	500000$_c^A$ n/v^B	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	7000 U D	3600 U D	360 U	7300 U D	350 U	8100 U D	17000 U D	36000 U D	330 U
Dinitrotoluene, 2,4-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Dinitrotoluene, 2,6-	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Di-n-Octyl phthalate	µg/kg	500000$_c^A$ n/v^B	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Fluoranthene	µg/kg	500000$_c^A$ 1000000$_d^B$	200 U	910 U D	**170 JD**	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Fluorene	µg/kg	500000$_c^A$ 1000000$_d^B$	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U

Table 4
Summary of Analytical Results in Surface Soil
Remedial Investigation
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			SS-3	SS-4	SS-5	SS-6		SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16
Sample Date			26-Oct-10	26-Oct-10	27-Oct-10	25-Oct-10	25-Oct-10	25-Oct-10	25-Oct-10	26-Oct-10	25-Oct-10	25-Oct-10	25-Oct-10	28-Oct-10	28-Oct-10	28-Oct-10	3-Feb-11
Sample ID			BA-SS3-S	BA-SS-4-S	BA-SS5-S	BA-SS-6-S	BA-SS-6-S/D	BA-SS-7-S	BA-SS-8-S	BA-SS-9-S	BA-SS-10-S	BA-SS-11-S	BA-SS-12-S	BA-SS13-S	BA-SS14-S	BA-SS15-S	BA-SS16-S
Sample Depth			6 - 7 ft	0 - 2 in	1.4 - 1.4 ft	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	0 - 2 in	1 - 3 in	0 - 2 in	0 - 1 in	0 - 2 in	0 - 2 in
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	RTJ1956	480-1342-1
Laboratory Sample ID			RTJ2031-01	RTJ1956-11	RTJ2031-02	RTJ1956-01	RTJ1956-02	RTJ1956-04	RTJ1956-03	RTJ1956-12	RTJ1956-09	RTJ1956-07	RTJ1956-08	RTK0340-01	RTK0340-02	RTK0340-03	480-1409-5
Sample Type	Units	6NYCRR					Field Duplicate										
Semi-Volatile Organic Compounds (cont'd)																	
Hexachlorobenzene	µg/kg	6000[A] 12000[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	***8900 U D***	***18000 U D***	170 U
Hexachlorobutadiene	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Hexachlorocyclopentadiene	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Hexachloroethane	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Indeno(1,2,3-cd)pyrene	µg/kg	5600[A] 11000[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	***8900 U D***	***18000 U D***	170 U
Isophorone	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Methylnaphthalene, 2-	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Naphthalene	µg/kg	500000[c,A] 1000000[d,B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Nitroaniline, 2-	µg/kg	500000[c,A] n/v[B]	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	7000 U D	3600 U D	360 U	7300 U D	350 U	8100 U D	17000 U D	36000 U D	330 U
Nitroaniline, 3-	µg/kg	500000[c,A] n/v[B]	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	7000 U D	3600 U D	360 U	7300 U D	350 U	8100 U D	17000 U D	36000 U D	330 U
Nitroaniline, 4-	µg/kg	500000[c,A] n/v[B]	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	7000 U D	3600 U D	360 U	7300 U D	350 U	8100 U D	17000 U D	36000 U D	330 U
Nitrobenzene	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Nitrophenol, 2-	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Nitrophenol, 4-	µg/kg	500000[c,A] n/v[B]	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	7000 U D	3600 U D	360 U	7300 U D	350 U	8100 U D	17000 U D	36000 U D	330 U
N-Nitrosodi-n-Propylamine	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
n-Nitrosodiphenylamine	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Pentachlorophenol	µg/kg	6700[A] 55000[B]	400 U	1800 U D	2000 U D	1800 U D	1800 U D	350 U	***7000 U D***	3600 U D	360 U	***7300 U D***	350 U	***8100 U D***	***17000 U D***	***36000 U D***	330 U
Phenanthrene	µg/kg	500000[c,A] 1000000[d,B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Phenol	µg/kg	500000[c,A] 1000000[d,B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Pyrene	µg/kg	500000[c,A] 1000000[d,B]	200 U	910 U D	**150 JD**	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	**18 J**	4200 U D	8900 U D	18000 U D	170 U
Trichlorophenol, 2,4,5-	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U
Trichlorophenol, 2,4,6-	µg/kg	500000[c,A] n/v[B]	200 U	910 U D	1000 U D	950 U D	930 U D	180 U	3600 U D	1900 U D	190 U	3800 U D	180 U	4200 U D	8900 U D	18000 U D	170 U

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
D	Reported result taken from diluted sample analysis.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
in	inches
ft	feet

Table 4
Summary of Analytical Results in Surface Soil
Remedial Investigation
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			SS-6	SS-8	SS-12	SS-13	SS-16
Sample Date			25-Oct-10	25-Oct-10	25-Oct-10	28-Oct-10	3-Feb-11
Sample ID			BA-SS-6-S	BA-SS-8-S	BA-SS-12-S	BA-SS13-S	BA-SS16-S
Sample Depth			0 - 2 in	0 - 2 in	1 - 3 in	0 - 2 in	0 - 2 in
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ1956	RTJ1956	RTJ1956	RTJ1956	480-1342-1
Laboratory Sample ID			RTJ1956-01	RTJ1956-03	RTJ1956-08	RTK0340-01	480-1409-5
Sample Type	Units	6NYCRR					
Metals							
Aluminum	mg/kg	10000_e^A n/v^B	**3720 J**	**2540 J**	**1110 J**	-	**9640**
Antimony	mg/kg	10000_e^A n/v^B	16.5 U	15.7 U	16.1 U	-	15.0 U
Arsenic	mg/kg	16_q^{AB}	**3.9**	**2.5**	**2.1**	-	**10.2**
Barium	mg/kg	400^A 10000_e^B	**24.7**	**17.3**	**5.52**	-	**133**
Beryllium	mg/kg	590^A 2700^B	**0.168 J**	**0.116 J**	**0.059 J**	-	**0.47**
Cadmium	mg/kg	9.3^A 60^B	**0.135 J**	**0.096 J**	**0.076 J**	-	**0.27**
Calcium	mg/kg	10000_e^A n/v^B	**78900 BD^A**	**40600 B^A**	**208000 BD^A**	-	**6740**
Chromium (Total)	mg/kg	NS,q^{AB}	**5.85**	**3.80**	**3.94**	-	**11.5**
Cobalt	mg/kg	10000_e^A n/v^B	**3.46**	**2.15**	**1.01**	-	**8.4**
Copper	mg/kg	270^A 10000_e^B	**12.0 B**	**7.5 B**	**3.9 B**	-	**19.3**
Iron	mg/kg	10000_e^A n/v^B	**9190 B**	**5950 B**	**2760 B**	-	**21800^A**
Lead	mg/kg	1000^A 3900^B	**8.4 B**	**4.5 B**	2.5 U	-	**49.0**
Magnesium	mg/kg	10000_e^A n/v^B	**25500 B^A**	**6710 B**	**6830 B**	-	**3420**
Manganese	mg/kg	10000_e^{AB}	**541 B**	**288 B**	**128 B**	-	**1020**
Mercury	mg/kg	2.8_k^A 5.7_k^B	0.0228 U	0.0219 U	0.0218 U	-	**0.12**
Nickel	mg/kg	310^A 10000_e^B	**9.23**	**5.80**	**5.36**	-	**19.1**
Potassium	mg/kg	10000_e^A n/v^B	**569**	**468**	**452**	-	**1570**
Selenium	mg/kg	1500^A 6800^B	4.4 U	4.2 U	**0.7 J**	-	4.0 U
Silver	mg/kg	1500^A 6800^B	0.549 U	0.523 U	0.536 U	-	0.50 U
Sodium	mg/kg	10000_e^A n/v^B	**86.3 J**	**77.2 J**	**116 J**	-	140 U
Thallium	mg/kg	10000_e^A n/v^B	6.6 U	6.3 U	6.4 U	-	6.0 U
Vanadium	mg/kg	10000_e^A n/v^B	**7.25**	**5.11**	**3.64**	-	**13.3**
Zinc	mg/kg	10000_e^{AB}	**38.9 B**	**30.3 B**	**9.5 B**	-	**85.1**
Pesticides							
Aldrin	µg/kg	680^A 1400^B	91 U DJ	87 U DJ	1.8 U J	-	2.7 U
BHC, alpha-	µg/kg	3400^A 6800^B	91 U DJ	87 U DJ	1.8 U J	-	2.0 U
BHC, beta-	µg/kg	3000^A 14000^B	91 U DJ	87 U DJ	1.8 U J	-	1.7 U
BHC, delta-	µg/kg	500000_c^A 1000000_d^B	91 U DJ	87 U DJ	**1.0 J**	-	**6.5**
Camphechlor (Toxaphene)	µg/kg	500000_c^A n/v^B	910 U DJ	870 U DJ	18 U J	-	65 U
Chlordane (Total)	µg/kg	500000_c^A n/v^B	910 U DJ	870 U DJ	**18 JN**	-	**18 JN**
Chlordane, alpha-	µg/kg	24000^A 47000^B	91 U DJ	87 U DJ	1.8 U J	-	5.5 U
Chlordane, gamma-	µg/kg	500000_c^A n/v^B	91 U DJ	87 U DJ	**1.7 JN**	-	3.5 U
DDD (p,p'-DDD)	µg/kg	92000^A 180000^B	91 U DJ	87 U DJ	1.8 U J	-	2.2 U
DDE (p,p'-DDE)	µg/kg	62000^A 120000^B	91 U DJ	87 U DJ	1.8 U J	-	1.7 U
DDT (p,p'-DDT)	µg/kg	47000^A 94000^B	91 U DJ	87 U DJ	1.8 U J	-	1.7 U
Dieldrin	µg/kg	1400^A 2800^B	91 U DJ	87 U DJ	**1.0 JN**	-	2.7 U
Endosulfan I	µg/kg	200000_j^A 920000_j^B	91 U DJ	87 U DJ	1.8 U J	-	1.7 U
Endosulfan II	µg/kg	200000_j^A 920000_j^B	91 U DJ	87 U DJ	**1.3 JN**	-	2.0 U
Endosulfan Sulfate	µg/kg	200000_j^A 920000_j^B	91 U DJ	87 U DJ	1.8 U J	-	**4.9**
Endrin	µg/kg	89000^A 410000^B	91 U DJ	87 U DJ	1.8 U J	-	1.7 U
Endrin Aldehyde	µg/kg	500000_c^A n/v^B	91 U DJ	87 U DJ	1.8 U J	-	2.9 U
Endrin Ketone	µg/kg	500000_c^A n/v^B	91 U DJ	87 U DJ	1.8 U J	-	**5.5**
Heptachlor	µg/kg	15000^A 29000^B	91 U DJ	87 U DJ	1.8 U J	-	1.7 U
Heptachlor Epoxide	µg/kg	500000_c^A n/v^B	91 U DJ	87 U DJ	1.8 U J	-	2.9 U
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	9200^A 23000^B	91 U DJ	87 U DJ	**0.99 J**	-	8.0 U
Methoxychlor (4,4'-Methoxychlor)	µg/kg	500000_c^A n/v^B	91 U DJ	87 U DJ	1.8 U J	-	1.7 U

See next page for notes.

Table 4
Summary of Analytical Results in Surface Soil
Remedial Investigation
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			SS-6	SS-8	SS-12	SS-13	SS-16
Sample Date			25-Oct-10	25-Oct-10	25-Oct-10	28-Oct-10	3-Feb-11
Sample ID			BA-SS-6-S	BA-SS-8-S	BA-SS-12-S	BA-SS13-S	BA-SS16-S
Sample Depth			0 - 2 in	0 - 2 in	1 - 3 in	0 - 2 in	0 - 2 in
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ1956	RTJ1956	RTJ1956	RTJ1956	480-1342-1
Laboratory Sample ID			RTJ1956-01	RTJ1956-03	RTJ1956-08	RTK0340-01	480-1409-5
Sample Type	Units	6NYCRR					
Polychlorinated Biphenyls							
Aroclor 1016	µg/kg	1000_o^A 25000_o^B	18 U	17 U	18 U	100 U D	17 U
Aroclor 1221	µg/kg	1000_o^A 25000_o^B	18 U	17 U	18 U	100 U D	17 U
Aroclor 1232	µg/kg	1000_o^A 25000_o^B	18 U	17 U	18 U	100 U D	17 U
Aroclor 1242	µg/kg	1000_o^A 25000_o^B	18 U	17 U	18 U	100 U D	17 U
Aroclor 1248	µg/kg	1000_o^A 25000_o^B	18 U	17 U	18 U	100 U D	17 U
Aroclor 1254	µg/kg	1000_o^A 25000_o^B	18 U	17 U	18 U	100 U D	17 U
Aroclor 1260	µg/kg	1000_o^A 25000_o^B	18 U J	17 U J	18 U J	100 U D	17 U
Aroclor 1262	µg/kg	n/v	18 U	17 U	18 U	100 U D	17 U
Aroclor 1268	µg/kg	n/v	18 U	17 U	18 U	100 U D	17 U

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
6.5^A	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS,q	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
	For commercial use, these are 1500 and 400 mg/kg respectively.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
e	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
$_I^{AB}$	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
$_o^{AB}$	The criterion is applicable to total PCBs, and the individual aroclors should be added for comparison.
B	Analyte was detected in the associated Method Blank.
D	Reported result taken from diluted sample analysis.
J	Indicates estimated value.
JN	Presumptively present at an approximated quantity.
TALAM	Test America Laboratories Inc., Amherst, New York
in	inches

Table 5
Summary of Analytical Results in Subsurface Soils from Test Pit Locations
Remedial Investigation
Former Allegany Bitumens Asphalt Plant
Amity, New York

Sample Location			TP-4	TP-8		TP-13	TP-14			TP-15	TP-17	TP-18
Sample Date			26-Oct-10	27-Oct-10	27-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10
Sample ID			BA-TP4-S	BA-TP8-S	BA-TP8-S/D	BA-TP13-S	BA-TP14-S	BA-TP14-S/D	BA-TP14-S2	BA-TP15-S	BA-TP17-S	BA-TP18-S
Sample Depth			9 - 9.5 ft	2 - 4 ft	2 - 4 ft	2 - 2.5 ft	3 ft	3 ft	6 ft	4 - 4.5 ft	3.5 - 4 ft	9.5 - 10 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029
Laboratory Sample ID			RTJ2029-03	RTJ2137-01	RTJ2137-02	RTK0343-04	RTK0343-07	RTK0343-08	RTK0343-09	RTK0343-10	RTK0343-11	RTK0343-12
Sample Type	Units	6NYCRR			Field Duplicate			Field Duplicate				
General Chemistry												
Total Solids	%	n/v	**86**	**84**	**84**	**79**	**78**	**81**	**81**	**87**	**91**	**93**
Volatile Organic Compounds												
Acetone	µg/kg	500000$_c^A$ 1000000$_d^B$	29 U	30 U	30 U	**15 J**	630 U	290 U	31 U	27 U	27 U	26 U
Benzene	µg/kg	44000^A 89000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Bromodichloromethane	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Bromoform (tribromomethane)	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U J	59 U J	6.2 U	5.3 U	5.4 U	5.2 U
Bromomethane (Methyl bromide)	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Carbon Disulfide	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22000^A 44000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U J	6.2 U	5.3 U	5.4 U	5.2 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Chloroethane (Ethyl Chloride)	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U J	6.2 U	5.3 U	5.4 U	5.2 U
Chloroform	µg/kg	350000^A 700000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Chloromethane	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Cyclohexane	µg/kg	n/v	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/kg	n/v	5.8 U	5.9 U	5.9 U	6.2 U	130 U J	59 U J	6.2 U	5.3 U	5.4 U	5.2 U
Dibromochloromethane	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U J	6.2 U	5.3 U	5.4 U	5.2 U
Dichlorobenzene, 1,2-	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichlorobenzene, 1,3-	µg/kg	280000^A 560000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichlorobenzene, 1,4-	µg/kg	130000^A 250000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichlorodifluoromethane	µg/kg	n/v	5.8 U J	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloroethane, 1,1-	µg/kg	240000^A 480000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloroethane, 1,2-	µg/kg	30000^A 60000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloroethene, 1,1-	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloroethylene, cis-1,2-	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloroethylene, trans-1,2-	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloropropane, 1,2-	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloropropene, cis-1,3-	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Dichloropropene, trans-1,3-	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U J	6.2 U	5.3 U	5.4 U	5.2 U
Ethylbenzene	µg/kg	390000^A 780000^B	5.8 U	5.9 U	5.9 U	6.2 U J	**5000 D**	**1500 D**	6.2 U	5.3 U	5.4 U	5.2 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Hexanone, 2-	µg/kg	500000$_c^A$ n/v^B	29 U	30 U	30 U	31 U	630 U J	290 U	31 U	27 U	27 U	26 U
Isopropylbenzene	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	**6700 D**	**2000 D**	**6.8**	5.3 U	5.4 U	5.2 U
Methyl Acetate	µg/kg	n/v	5.8 U	5.9 U J	5.9 U J	6.2 U	130 U J	59 U J	6.2 U J	5.3 U J	5.4 U J	5.2 U J
Methyl Ethyl Ketone (MEK)	µg/kg	500000$_c^A$ 1000000$_d^B$	29 U	30 U	30 U	31 U	630 U	290 U	31 U	27 U	27 U	26 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500000$_c^A$ n/v^B	29 U	30 U	30 U	31 U	630 U J	290 U	31 U	27 U	27 U	26 U
Methyl tert-butyl ether (MTBE)	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Methylcyclohexane	µg/kg	n/v	5.8 U	5.9 U	5.9 U	6.2 U	**71000 D**	**16000 D**	6.2 U	5.3 U	5.4 U	5.2 U
Methylene Chloride (Dichloromethane)	µg/kg	500000$_c^A$ 1000000$_d^B$	**3.2 J**	**7.7**	**6.9**	**9.0**	130 U	59 U	**8.7**	**4.8 J**	**5.9**	**6.8**
Styrene	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Tetrachloroethane, 1,1,2,2-	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Tetrachloroethylene (PCE)	µg/kg	150000^A 300000^B	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Toluene	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Trichlorobenzene, 1,2,4-	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Trichloroethane, 1,1,1-	µg/kg	500000$_c^A$ 1000000$_d^B$	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Trichloroethane, 1,1,2-	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Trichloroethylene (TCE)	µg/kg	200000^A 400000^B	5.8 U	5.9 U	5.9 U	6.2 U J	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	500000$_c^A$ n/v^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Vinyl chloride	µg/kg	13000^A 27000^B	5.8 U	5.9 U	5.9 U	6.2 U	130 U	59 U	6.2 U	5.3 U	5.4 U	5.2 U
Xylenes, Total	µg/kg	500000$_c^A$ 1000000$_d^B$	12 U	12 U	12 U	12 U J	**300**	**530**	12 U	11 U	11 U	10 U
Total VOC	µg/kg	500000$_c^A$ n/v^B	**3.2**	**7.7**	**6.9**	**9.0**	**83000**	**20030**	**15.5**	**4.8**	**5.9**	**6.8**

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
6.5^A	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
D	Reported result taken from diluted sample analysis.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
ft	feet
ND	Not detected

Table 5
Summary of Analytical Results in Subsurface Soils from Test Pit Locations
Remedial Investigation
Former Allegany Bitumens Asphalt Plant
Amity, New York

Sample Location			TP-1		TP-2	TP-3	TP-4	TP-5	TP-7		TP-8				TP-9	TP-10	TP-11		TP-12	TP-13
Sample Date			26-Oct-10	26-Oct-10	26-Oct-10	26-Oct-10	26-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	28-Oct-10	28-Oct-10	28-Oct-10	29-Oct-10
Sample ID			BA-TP-1-S	BA-TP-1-S2	BA-TP2-S	BA-TP3-S	BA-TP4-S	BA-TP5-S	BA-TP7-S	BA-TP7-S2	BA-TP8-S	BA-TP8-S/D	BA-TP8-S2	BA-TP8-S3	BA-TP9-S	BA-TP10-S	BA-TP11-S	BA-TP11-S2	BA-TP12-S	BA-TP13-S
Sample Depth			1.4 - 1.8 ft	2.5 - 3 ft	9.5 - 10 ft	10 - 18.5 ft	9 - 9.5 ft	3.5 - 4 ft	0.5 - 2.5 ft	2.5 - 3 ft	2 - 4 ft	2 - 4 ft	4.5 - 5 ft	5 - 5.5 ft	0 - 3 ft	6 - 6.5 ft	4 - 5 ft	5 - 5.5 ft	4 - 5 ft	2 - 2.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ1956	RTJ1956	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029
Laboratory Sample ID			RTJ1956-14	RTJ1956-15	RTJ2029-01	RTJ2029-02	RTJ2029-03	RTJ2029-06	RTJ2137-05	RTJ2137-06	RTJ2137-01	RTJ2137-02	RTJ2137-03	RTJ2137-04	RTJ2137-07	RTJ2137-08	RTK0343-01	RTK0343-02	RTK0343-03	RTK0343-04
Sample Type	Units	6NYCRR										Field Duplicate								
General Chemistry																				
Total Solids	%	n/v	93	86	79	83	86	79	94	93	84	84	83	95	93	94	97	93	92	79
Semi-Volatile Organic Compounds																				
Acenaphthene	µg/kg	500000$_c^A$ 1000000$_d^B$	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**720 JD**	8600 U D	920 U D	3600 U D	210 U
Acenaphthylene	µg/kg	500000$_c^A$ 1000000$_d^B$	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**2700 JD**	8600 U D	920 U D	3600 U D	210 U
Acetophenone	µg/kg	n/v	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Anthracene	µg/kg	500000$_c^A$ 1000000$_d^B$	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**2000 JD**	8600 U D	920 U D	3600 U D	210 U
Atrazine	µg/kg	n/v	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Benzaldehyde	µg/kg	n/v	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Benzo(a)anthracene	µg/kg	5600^A 11000^B	***9000 U D***	**37 J**	210 U	200 U	190 U	210 U	180 U	***18000 U D***	***44000 U D***	***40000 U D***	***40000 U D***	***1800 U D***	***9000 U D***	**5000 D**	***8600 U D***	920 U D	3600 U D	210 U
Benzo(a)pyrene	µg/kg	1000$_g^A$ 1100^B	***9000 U D***	**35 J**	210 U	200 U	190 U	210 U	180 U	***18000 U D***	***44000 U D***	***40000 U D***	***40000 U D***	***1800 U D***	***9000 U D***	**4100 D^{AB}**	***8600 U D***	920 U D	***3600 U D***	210 U
Benzo(b)fluoranthene	µg/kg	5600^A 11000^B	***9000 U D***	**48 J**	210 U	200 U	190 U	210 U	180 U	***18000 U D***	***44000 U D***	***40000 U D***	***40000 U D***	***1800 U D***	***9000 U D***	**3700 D**	***8600 U D***	920 U D	3600 U D	210 U
Benzo(g,h,i)perylene	µg/kg	500000$_c^A$ 1000000$_d^B$	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**1900 JD**	8600 U D	920 U D	3600 U D	210 U
Benzo(k)fluoranthene	µg/kg	56000^A 110000^B	9000 U D	**17 J**	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**1500 JD**	8600 U D	920 U D	3600 U D	210 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Bis(2-Chloroethoxy)methane	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Bis(2-Chloroethyl)ether	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U	44000 U	40000 U	40000 U	1800 U	9000 U D	3500 U	8600 U	920 U	3600 U	210 U
Bromophenyl Phenyl Ether, 4-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Butyl Benzyl Phthalate	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Caprolactam	µg/kg	n/v	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Carbazole	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Chloro-3-methyl phenol, 4-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Chloroaniline, 4	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Chloronaphthalene, 2-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Chrysene	µg/kg	56000^A 110000^B	9000 U D	**35 J**	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**6400 D**	8600 U D	920 U D	3600 U D	210 U
Cresol, o- (Methylphenol, 2-)	µg/kg	500000$_c^A$ 1000000$_d^B$	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Cresol, p- (Methylphenol, 4-)	µg/kg	500000$_c^A$ 1000000$_d^B$	17000 U D	370 U	410 U	390 U	380 U	410 U	350 U	35000 U D	86000 U D	78000 U D	78000 U D	3500 U D	17000 U D	6900 U D	17000 U D	1800 U D	7100 U D	410 U
Dibenzo(a,h)anthracene	µg/kg	560^A 1100^B	***9000 U D***	190 U	210 U	200 U	190 U	210 U	180 U	***18000 U D***	***44000 U D***	***40000 U D***	***40000 U D***	***1800 U D***	***9000 U D***	**460 JD**	***8600 U D***	***920 U D***	***3600 U D***	210 U
Dibenzofuran	µg/kg	350000^A 1000000$_d^B$	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Dichlorobenzidine, 3,3'-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Dichlorophenol, 2,4-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Diethyl Phthalate	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Dimethyl Phthalate	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Dimethylphenol, 2,4-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Di-n-Butyl Phthalate	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Dinitro-o-cresol, 4,6-	µg/kg	500000$_c^A$ n/v^B	17000 U D	370 U	410 U	390 U	380 U	410 U	350 U	35000 U D	86000 U D	78000 U D	78000 U D	3500 U D	17000 U D	6900 U D	17000 U D	1800 U D	7100 U D	410 U
Dinitrophenol, 2,4-	µg/kg	500000$_c^A$ n/v^B	17000 U D	370 U	410 U	390 U	380 U	410 U	350 U	35000 U D	86000 U D	78000 U D	78000 U D	3500 U D	17000 U D	6900 U D	17000 U D	1800 U D	7100 U D	410 U
Dinitrotoluene, 2,4-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Dinitrotoluene, 2,6-	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Di-n-Octyl phthalate	µg/kg	500000$_c^A$ n/v^B	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Fluoranthene	µg/kg	500000$_c^A$ 1000000$_d^B$	9000 U D	**63 J**	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**8100 D**	8600 U D	920 U D	3600 U D	210 U

See last page for notes.

Table 5
Summary of Analytical Results in Subsurface Soils from Test Pit Locations
Remedial Investigation
Former Allegany Bitumens Asphalt Plant
Amity, New York

Sample Location			TP-1		TP-2	TP-3	TP-4	TP-5	TP-7		TP-8				TP-9	TP-10	TP-11		TP-12	TP-13
Sample Date			26-Oct-10	26-Oct-10	26-Oct-10	26-Oct-10	26-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	28-Oct-10	28-Oct-10	28-Oct-10	29-Oct-10
Sample ID			BA-TP-1-S	BA-TP-1-S2	BA-TP2-S	BA-TP3-S	BA-TP4-S	BA-TP5-S	BA-TP7-S	BA-TP7-S2	BA-TP8-S	BA-TP8-S/D	BA-TP8-S2	BA-TP8-S3	BA-TP9-S	BA-TP10-S	BA-TP11-S	BA-TP11-S2	BA-TP12-S	BA-TP13-S
Sample Depth			1.4 - 1.8 ft	2.5 - 3 ft	9.5 - 10 ft	10 - 18.5 ft	9 - 9.5 ft	3.5 - 4 ft	0.5 - 2.5 ft	2.5 - 3 ft	2 - 4 ft	2 - 4 ft	4.5 - 5 ft	5 - 5.5 ft	0 - 3 ft	6 - 6.5 ft	4 - 5 ft	5 - 5.5 ft	4 - 5 ft	2 - 2.5 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ1956	RTJ1956	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029
Laboratory Sample ID			RTJ1956-14	RTJ1956-15	RTJ2029-01	RTJ2029-02	RTJ2029-03	RTJ2029-06	RTJ2137-05	RTJ2137-06	RTJ2137-01	RTJ2137-02	RTJ2137-03	RTJ2137-04	RTJ2137-07	RTJ2137-08	RTK0343-01	RTK0343-02	RTK0343-03	RTK0343-04
Sample Type	Units	6NYCRR										Field Duplicate								
Semi-Volatile Organic Compounds																				
Fluorene	µg/kg	500000$_c$[A] 1000000$_d$[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**2700 JD**	8600 U D	920 U D	3600 U D	210 U
Hexachlorobenzene	µg/kg	6000[A] 12000[B]	***9000 U D***	190 U	210 U	200 U	190 U	210 U	180 U	***18000 U D***	***44000 U D***	***40000 U D***	***40000 U D***	1800 U D	***9000 U D***	3500 U D	***8600 U D***	920 U D	3600 U D	210 U
Hexachlorobutadiene	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Hexachlorocyclopentadiene	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Hexachloroethane	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Indeno(1,2,3-cd)pyrene	µg/kg	5600[A] 11000[B]	***9000 U D***	190 U	210 U	200 U	190 U	210 U	180 U	***18000 U D***	***44000 U D***	***40000 U D***	***40000 U D***	1800 U D	***9000 U D***	**1400 JD**	***8600 U D***	920 U D	3600 U D	210 U
Isophorone	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Methylnaphthalene, 2-	µg/kg	500000$_c$[A] n/v[B]	**1500 JD**	190 U	210 U	200 U	190 U	210 U	180 U	**7700 JD**	44000 U D	40000 U D	**9400 JD**	**220 JD**	9000 U D	**2100 JD**	8600 U D	920 U D	3600 U D	210 U
Naphthalene	µg/kg	500000$_c$[A] 1000000$_d$[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**990 JD**	8600 U D	920 U D	3600 U D	210 U
Nitroaniline, 2-	µg/kg	500000$_c$[A] n/v[B]	17000 U D	370 U	410 U	390 U	380 U	410 U	350 U	35000 U D	86000 U D	78000 U D	78000 U D	3500 U D	17000 U D	6900 U D	17000 U D	1800 U D	7100 U D	410 U
Nitroaniline, 3-	µg/kg	500000$_c$[A] n/v[B]	17000 U D	370 U	410 U	390 U	380 U	410 U	350 U	35000 U D	86000 U D	78000 U D	78000 U D	3500 U D	17000 U D	6900 U D	17000 U D	1800 U D	7100 U D	410 U
Nitroaniline, 4-	µg/kg	500000$_c$[A] n/v[B]	17000 U D	370 U	410 U	390 U	380 U	410 U	350 U	35000 U D	86000 U D	78000 U D	78000 U D	3500 U D	17000 U D	6900 U D	17000 U D	1800 U D	7100 U D	410 U
Nitrobenzene	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Nitrophenol, 2-	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Nitrophenol, 4-	µg/kg	500000$_c$[A] n/v[B]	17000 U D	370 U	410 U	390 U	380 U	410 U	350 U	35000 U D	86000 U D	78000 U D	78000 U D	3500 U D	17000 U D	6900 U D	17000 U D	1800 U D	7100 U D	410 U
N-Nitrosodi-n-Propylamine	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
n-Nitrosodiphenylamine	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Pentachlorophenol	µg/kg	6700[A] 55000[B]	***17000 U D***	370 U	410 U	390 U	380 U	410 U	350 U	***35000 U D***	***86000 U D***	***78000 U D***	***78000 U D***	3500 U D	***17000 U D***	***6900 U D***	***17000 U D***	1800 U D	***7100 U D***	410 U
Phenanthrene	µg/kg	500000$_c$[A] 1000000$_d$[B]	9000 U D	370 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**15000 D**	8600 U D	920 U D	3600 U D	210 U
Phenol	µg/kg	500000$_c$[A] 1000000$_d$[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Pyrene	µg/kg	500000$_c$[A] 1000000$_d$[B]	9000 U D	**55 J**	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	**12000 D**	8600 U D	920 U D	3600 U D	210 U
Trichlorophenol, 2,4,5-	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U
Trichlorophenol, 2,4,6-	µg/kg	500000$_c$[A] n/v[B]	9000 U D	190 U	210 U	200 U	190 U	210 U	180 U	18000 U D	44000 U D	40000 U D	40000 U D	1800 U D	9000 U D	3500 U D	8600 U D	920 U D	3600 U D	210 U

See last page for notes.

Table 5
Summary of Analytical Results in Subsurface Soils from Test Pit Locations
Remedial Investigation
Former Allegany Bitumens Asphalt Plant
Amity, New York

Sample Location				TP-14			TP-15	TP-17	TP-18
Sample Date			29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10
Sample ID			BA-TP14-S	BA-TP14-S/D	BA-TP14-S2	BA-TP15-S	BA-TP17-S	BA-TP18-S
Sample Depth			3 ft	3 ft	6 ft	4 - 4.5 ft	3.5 - 4 ft	9.5 - 10 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029
Laboratory Sample ID			RTK0343-07	RTK0343-08	RTK0343-09	RTK0343-10	RTK0343-11	RTK0343-12
Sample Type	Units	6NYCRR		Field Duplicate				
General Chemistry								
Total Solids	%	n/v	**78**	**81**	**81**	**87**	**91**	**93**
Semi-Volatile Organic Compounds								
Acenaphthene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	**25 J**	1800 U D	900 U D
Acenaphthylene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Acetophenone	µg/kg	n/v	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Anthracene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Atrazine	µg/kg	n/v	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Benzaldehyde	µg/kg	n/v	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Benzo(a)anthracene	µg/kg	5600[A] 11000[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Benzo(a)pyrene	µg/kg	1000$_g$[A] 1100[B]	***1100 U D***	***1100 U D***	210 U	190 U	***1800 U D***	900 U D
Benzo(b)fluoranthene	µg/kg	5600[A] 11000[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Benzo(g,h,i)perylene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Benzo(k)fluoranthene	µg/kg	56000[A] 110000[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	**150 JD**	1100 U D	210 U	190 U	1800 U D	900 U D
Bis(2-Chloroethoxy)methane	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Bis(2-Chloroethyl)ether	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	500000$_c$[A] n/v[B]	1100 U	1100 U	210 U	190 U	1800 U	900 U
Bromophenyl Phenyl Ether, 4-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Butyl Benzyl Phthalate	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Caprolactam	µg/kg	n/v	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Carbazole	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Chloro-3-methyl phenol, 4-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Chloroaniline, 4	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Chloronaphthalene, 2-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Chlorophenyl Phenyl Ether, 4-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Chrysene	µg/kg	56000[A] 110000[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Cresol, o- (Methylphenol, 2-)	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Cresol, p- (Methylphenol, 4-)	µg/kg	500000$_c$[A] 1000000$_d$[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
Dibenzo(a,h)anthracene	µg/kg	560[A] 1100[B]	***1100 U D***	***1100 U D***	210 U	190 U	***1800 U D***	***900 U D***
Dibenzofuran	µg/kg	350000[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Dichlorobenzidine, 3,3'-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Dichlorophenol, 2,4-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Diethyl Phthalate	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Dimethyl Phthalate	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Dimethylphenol, 2,4-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Di-n-Butyl Phthalate	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Dinitro-o-cresol, 4,6-	µg/kg	500000$_c$[A] n/v[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
Dinitrophenol, 2,4-	µg/kg	500000$_c$[A] n/v[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
Dinitrotoluene, 2,4-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Dinitrotoluene, 2,6-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Di-n-Octyl phthalate	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Fluoranthene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D

See last page for notes.

Table 5
Summary of Analytical Results in Subsurface Soils from Test Pit Locations
Remedial Investigation
Former Allegany Bitumens Asphalt Plant
Amity, New York

Sample Location				TP-14			TP-15	TP-17	TP-18
Sample Date			29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10
Sample ID			BA-TP14-S	BA-TP14-S/D	BA-TP14-S2	BA-TP15-S	BA-TP17-S	BA-TP18-S
Sample Depth			3 ft	3 ft	6 ft	4 - 4.5 ft	3.5 - 4 ft	9.5 - 10 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029
Laboratory Sample ID			RTK0343-07	RTK0343-08	RTK0343-09	RTK0343-10	RTK0343-11	RTK0343-12
Sample Type	Units	6NYCRR		Field Duplicate				
Semi-Volatile Organic Compounds								
Fluorene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Hexachlorobenzene	µg/kg	6000[A] 12000[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Hexachlorobutadiene	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Hexachlorocyclopentadiene	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Hexachloroethane	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Indeno(1,2,3-cd)pyrene	µg/kg	5600[A] 11000[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Isophorone	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Methylnaphthalene, 2-	µg/kg	500000$_c$[A] n/v[B]	**2600 D**	**950 JD**	210 U	**33 J**	1800 U D	900 U D
Naphthalene	µg/kg	500000$_c$[A] 1000000$_d$[B]	**2000 D**	**750 JD**	210 U	**240**	1800 U D	900 U D
Nitroaniline, 2-	µg/kg	500000$_c$[A] n/v[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
Nitroaniline, 3-	µg/kg	500000$_c$[A] n/v[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
Nitroaniline, 4-	µg/kg	500000$_c$[A] n/v[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
Nitrobenzene	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Nitrophenol, 2-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Nitrophenol, 4-	µg/kg	500000$_c$[A] n/v[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
N-Nitrosodi-n-Propylamine	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
n-Nitrosodiphenylamine	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Pentachlorophenol	µg/kg	6700[A] 55000[B]	2100 U D	2000 U D	400 U	370 U	3600 U D	1700 U D
Phenanthrene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	**21 J**	1800 U D	900 U D
Phenol	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Pyrene	µg/kg	500000$_c$[A] 1000000$_d$[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Trichlorophenol, 2,4,5-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D
Trichlorophenol, 2,4,6-	µg/kg	500000$_c$[A] n/v[B]	1100 U D	1100 U D	210 U	190 U	1800 U D	900 U D

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
[A]	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
[B]	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
[c]	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
[d]	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
[g]	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
D	Reported result taken from diluted sample analysis.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
ft	feet

Table 5
Summary of Analytical Results in Subsurface Soils from Test Pit Locations
Remedial Investigation
Former Allegany Bitumens Asphalt Plant
Amity, New York

Sample Location			TP-4	TP-8		TP-13	TP-17	TP-18
Sample Date			26-Oct-10	27-Oct-10	27-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10
Sample ID			BA-TP4-S	BA-TP8-S	BA-TP8-S/D	BA-TP13-S	BA-TP17-S	BA-TP18-S
Sample Depth			9 - 9.5 ft	2 - 4 ft	2 - 4 ft	2 - 2.5 ft	3.5 - 4 ft	9.5 - 10 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029
Laboratory Sample ID			RTJ2029-03	RTJ2137-01	RTJ2137-02	RTK0343-04	RTK0343-11	RTK0343-12
Sample Type	Units	6NYCRR			Field Duplicate			
Metals								
Aluminum	mg/kg	10000_e[A] n/v[B]	**7700 J**	**4290 J**	**3030 J**	**13000 J**[A]	**5550 J**	**6230 J**
Antimony	mg/kg	10000_e[A] n/v[B]	17.1 U J	17.4 U J	18.2 U J	18.9 U J	16.2 U J	15.9 U J
Arsenic	mg/kg	16_g[AB]	**5.6 J**	**5.8 B**	4.0 U	**7.6**	**5.5**	**4.5**
Barium	mg/kg	400[A] 10000_e[B]	**39.0 J**	**46.7**	**61.2**	**80.5 J**	**35.0**	**29.0**
Beryllium	mg/kg	590[A] 2700[B]	**0.357**	**0.203 J**	**0.129 J**	**0.633 J**	**0.219**	**0.265**
Cadmium	mg/kg	9.3[A] 60[B]	**0.204 J**	**0.390**	**0.330**	**0.234 J**	**0.832**	**0.169 J**
Calcium	mg/kg	10000_e[A] n/v[B]	**31000 B**[A]	**120000 BD**[A]	**69600 BD**[A]	**31200 B**[A]	**85300 BD**[A]	**53100 B**[A]
Chromium (Total)	mg/kg	NS,q[AB]	**10.2**	**8.77**	**28.1**	**15.8 J**	**7.08**	**7.56**
Cobalt	mg/kg	10000_e[A] n/v[B]	**8.42**	**4.69**	**3.34**	**11.5**	**5.16**	**4.63**
Copper	mg/kg	270[A] 10000_e[B]	**17.1**	**21.5**	**18.9**	**21.4**	**19.6**	**14.4**
Iron	mg/kg	10000_e[A] n/v[B]	**16900**[A]	**13400**[A]	**12000**[A]	**25100**[A]	**21800**[A]	**13100**[A]
Lead	mg/kg	1000[A] 3900[B]	**10.8**	**47.5**	**149**	**13.0**	**14.0**	**6.7**
Magnesium	mg/kg	10000_e[A] n/v[B]	**12400**[A]	**7560**	**6590**	**13800**[A]	**11900**[A]	**13900**[A]
Manganese	mg/kg	10000_e[AB]	**486 J**	**421 B**	**348 B**	**563 B**	**787 B**	**375 B**
Mercury	mg/kg	2.8_k[A] 5.7_k[B]	0.0227 U	0.0227 U	**0.0112 J**	0.0240 U	**1.22 D**	0.0212 U
Nickel	mg/kg	310[A] 10000_e[B]	**19.0**	**14.1**	**9.48**	**26.5**	**13.1**	**13.4**
Potassium	mg/kg	10000_e[A] n/v[B]	**1080 J**	**608**	**535**	**2390 J**	**795**	**910**
Selenium	mg/kg	1500[A] 6800[B]	4.6 U	4.6 U	4.8 U	5.1 U	4.3 U	4.3 U
Silver	mg/kg	1500[A] 6800[B]	0.570 U	0.580 U	0.606 U	0.631 U	0.539 U	0.532 U
Sodium	mg/kg	10000_e[A] n/v[B]	**88.3 J**	**102 J**	**78.8 J**	**130 J**	**97.5 J B**	**114 J B**
Thallium	mg/kg	10000_e[A] n/v[B]	6.8 U	7.0 U	7.3 U	7.6 U	6.5 U	6.4 U
Vanadium	mg/kg	10000_e[A] n/v[B]	**11.5**	**8.40**	**6.10**	**19.1 J**	**9.97**	**9.84**
Zinc	mg/kg	10000_e[AB]	**44.7 B**	**99.7 B**	**80.9 B**	**62.4 B**	**62.3 B**	**46.1 B**
Pesticides								
Aldrin	µg/kg	680[A] 1400[B]	1.9 U J	***2000 U DJ***	***1900 U DJ***	2.1 U J	180 U DJ	89 U DJ
BHC, alpha-	µg/kg	3400[A] 6800[B]	1.9 U CJ	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
BHC, beta-	µg/kg	3000[A] 14000[B]	1.9 U CJ	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
BHC, delta-	µg/kg	500000_c[A] 1000000_d[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Camphechlor (Toxaphene)	µg/kg	500000_c[A] n/v[B]	19 U J	20000 U DJ	19000 U DJ	21 U J	1800 U DJ	890 U DJ
Chlordane, alpha-	µg/kg	24000[A] 47000[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Chlordane, gamma-	µg/kg	500000_c[A] n/v[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
DDD (p,p'-DDD)	µg/kg	92000[A] 180000[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
DDE (p,p'-DDE)	µg/kg	62000[A] 120000[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
DDT (p,p'-DDT)	µg/kg	47000[A] 94000[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Dieldrin	µg/kg	1400[A] 2800[B]	1.9 U J	***2000 U DJ***	***1900 U DJ***	2.1 U J	180 U DJ	89 U DJ
Endosulfan I	µg/kg	200000_j[A] 920000_j[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Endosulfan II	µg/kg	200000_j[A] 920000_j[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Endosulfan Sulfate	µg/kg	200000_j[A] 920000_j[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Endrin	µg/kg	89000[A] 410000[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Endrin Aldehyde	µg/kg	500000_c[A] n/v[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Endrin Ketone	µg/kg	500000_c[A] n/v[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Heptachlor	µg/kg	15000[A] 29000[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Heptachlor Epoxide	µg/kg	500000_c[A] n/v[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	9200[A] 23000[B]	1.9 U J	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ
Methoxychlor (4,4'-Methoxychlor)	µg/kg	500000_c[A] n/v[B]	**0.57 J**	2000 U DJ	1900 U DJ	2.1 U J	180 U DJ	89 U DJ

Table 5
Summary of Analytical Results in Subsurface Soils from Test Pit Locations
Remedial Investigation
Former Allegany Bitumens Asphalt Plant
Amity, New York

Sample Location			TP-4	TP-8		TP-13	TP-17	TP-18
Sample Date			26-Oct-10	27-Oct-10	27-Oct-10	29-Oct-10	29-Oct-10	29-Oct-10
Sample ID			BA-TP4-S	BA-TP8-S	BA-TP8-S/D	BA-TP13-S	BA-TP17-S	BA-TP18-S
Sample Depth			9 - 9.5 ft	2 - 4 ft	2 - 4 ft	2 - 2.5 ft	3.5 - 4 ft	9.5 - 10 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029	RTJ2029
Laboratory Sample ID			RTJ2029-03	RTJ2137-01	RTJ2137-02	RTK0343-04	RTK0343-11	RTK0343-12
Sample Type	Units	6NYCRR			Field Duplicate			
Polychlorinated Biphenyls								
Aroclor 1016	µg/kg	1000$_o^A$ 25000$_o^B$	19 U	200 U D	190 U D	21 U	90 U D	18 U
Aroclor 1221	µg/kg	1000$_o^A$ 25000$_o^B$	19 U	200 U D	190 U D	21 U	90 U D	18 U
Aroclor 1232	µg/kg	1000$_o^A$ 25000$_o^B$	19 U	200 U D	190 U D	21 U	90 U D	18 U
Aroclor 1242	µg/kg	1000$_o^A$ 25000$_o^B$	19 U	200 U D	190 U D	21 U	90 U D	18 U
Aroclor 1248	µg/kg	1000$_o^A$ 25000$_o^B$	19 U	200 U D	190 U D	21 U	90 U D	18 U
Aroclor 1254	µg/kg	1000$_o^A$ 25000$_o^B$	19 U	200 U D	190 U D	21 U	**19 JDN**	18 U
Aroclor 1260	µg/kg	1000$_o^A$ 25000$_o^B$	19 U	200 U D	190 U D	21 U	90 U D	18 U
Aroclor 1262	µg/kg	n/v	19 U	200 U D	190 U D	21 U	90 U D	18 U
Aroclor 1268	µg/kg	n/v	19 U	200 U D	190 U D	21 U	90 U D	18 U

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
^{A}	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
^{B}	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
6.5^A	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
^{NS,q}	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium. For commercial use, these are 1500 and 400 mg/kg respectively.
^{c}	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
^{ABe}	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
^{ABg}	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
^{ABk}	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
^{ABo}	The criterion is applicable to total PCBs, and the individual aroclors should be added for comparison.
B	Analyte was detected in the associated Method Blank.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected above thelaboratory PQL, data not impacted.
D	Reported result taken from diluted sample analysis.
J	Indicates estimated value.
JN	Presumptively present at an approximated quantity.
TALAM	Test America Laboratories Inc., Amherst, New York
ft	feet

Table 6
Summary of Analytical Results in Subsurface Soil from Boring and Monitoring Well Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location	Units	6NYCRR	BS-1	BS-2	BS-3	BS-4	B/MW-5	B/MW-6	B/MW-7	B/MW-8	B/MW-9	B/MW-10	B/MW-11	B/MW-14	B-15	B-16		B-17	B-18	B-19	B-20	B/MW-22
Sample Date			10-Dec-09	10-Dec-09	11-Dec-09	11-Dec-09	2-Dec-10	1-Dec-10	2-Dec-10	1-Dec-10	30-Nov-10	30-Nov-10	30-Nov-10	30-Nov-10	2-Dec-10	3-Dec-10	3-Dec-10	3-Dec-10	2-Dec-10	3-Dec-10	3-Dec-10	3-Dec-10
Sample ID			BS-S-1	BS-S-2	BS-S-3	BS-S-4	BA-B5-S	BA-B6-S	BA-B7-S	BA-B8-S	BA-B9-S	BA-B10-S	BA-B11-S	BA-B14-S	BA-B15-S	BA-B16-S	BA-B16-S2	BA-B17-S	BA-B18-S	BA-B19-S	BA-B20-S	BA-B22-S
Sample Depth			8 - 9 ft	7 - 8 ft	8 - 9 ft	8 - 10 ft	8 - 8.7 ft	2 - 2.8 ft	4.7 - 5.1 ft	11.5 - 12 ft	8 - 10 ft	8 - 9.6 ft	8 - 9 ft	8 - 10 ft	8 - 10.3 ft	10.8 - 11.2 ft	17.5 - 18 ft	4.6 - 6.6 ft	9.2 - 9.7 ft	4 - 4.9 ft	4 - 4.8 ft	15.5 - 16 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			SB05469	SB05469	SB05538	SB05538	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728
Laboratory Sample ID			SB05469-01	SB05469-02	SB05538-01	SB05538-03	RTL0493-05	RTL0315-03	RTL0493-02	RTL0493-01	RTK1728-04	RTL0315-01	RTL0315-02	RTK1728-03	RTL0493-04	RTL0522-04	RTL0522-05	RTL0522-03	RTL0493-03	RTL0522-01	RTL0522-02	RTL0493-06
Sample Type																						
General Chemistry																						
Total Solids	%	n/v	85.9	83.9	86.9	79.2	84	77	79	76	77	84	82	77	78	81	84	79	76	73	77	80
Volatile Organic Compounds																						
Acetone	µg/kg	500000_c^{AC} 1000000_d^{B}	***57.6 U***	***3280 U***	***55.1 U***	***657 U***	15 U	14 U	8.5 U	14 U	32 U	14 U	30 U	10 U	17 U	17 U	15 U	30 U	6.1 U	9.1 U	13 U	13 U
Acrylonitrile	µg/kg	n/v	6.0 U	341 U	5.7 U	68.3 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/kg	44000^{A} 89000^{B} 60^{C}	3.6 U	***204 U***	3.4 U	40.8 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Bromobenzene	µg/kg	n/v	3.6 U	207 U	3.5 U	41.5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	3.5 U	200 U	3.4 U	40.1 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Bromoform (tribromomethane)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.0 U	344 U	5.8 U	69.0 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Bromomethane (Methyl bromide)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	11.3 U	643 U	10.8 U	129 U	5.8 U	6.4 U J	6.0 U J	6.5 U	6.4 U	5.9 U J	6.0 U J	6.4 U	6.4 U J	6.1 U	6.0 U	6.0 U	6.1 U J	6.8 U	6.5 U	6.0 U J
Butylbenzene, n-	µg/kg	500000_c^{A} 1000000_d^{B} 12000^{C}	5.1 U	288 U	4.8 U	57.7 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/kg	500000_c^{A} 1000000_d^{B} 5900^{C}	5.9 U	334 U	5.6 U	66.9 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	12.8 U	728 U	12.2 U	146 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**3.6 J**	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22000^{A} 44000^{B} 760^{C}	5.1 U	292 U	4.9 U	58.4 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500000_c^{A} 1000000_d^{B} 1100^{C}	5.9 U	334 U	5.6 U	66.9 U	5.8 U	6.4 U J	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U J
Chlorobromomethane	µg/kg	n/v	4.1 U	235 U	4.0 U	47.2 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	10.2 U	580 U	9.7 U	116 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Chloroform	µg/kg	350000^{A} 700000^{B} 370^{C}	5.7 U	323 U	5.4 U	64.8 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Chloromethane	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	7.5 U	425 U	7.1 U	85.2 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Chlorotoluene, 2-	µg/kg	n/v	4.3 U	243 U	4.1 U	48.6 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorotoluene, 4-	µg/kg	n/v	5.1 U	292 U	4.9 U	58.4 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/kg	n/v	-	-	-	-	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Cymene (p-Isopropyltoluene)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	5.1 U	288 U	4.8 U	57.7 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/kg	n/v	9.9 U	562 U	9.5 U	113 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dibromochloromethane	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	4.5 U	257 U	4.3 U	51.4 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dibromomethane (Methylene Bromide)	µg/kg	n/v	4.0 U	228 U	3.8 U	45.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/kg	500000_c^{A} 1000000_d^{B} 1100^{C}	5.4 U	309 U	5.2 U	62.0 U	5.8 U	6.4 U J	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U J
Dichlorobenzene, 1,3-	µg/kg	280000^{A} 560000^{B} 2400^{C}	2.8 U	162 U	2.7 U	32.4 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichlorobenzene, 1,4-	µg/kg	130000^{A} 250000^{B} 1800^{C}	5.0 U	285 U	4.8 U	57.0 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichlorobutene, trans-1,4-	µg/kg	n/v	6.0 U	344 U	5.8 U	69.0 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	µg/kg	n/v	11.8 U	671 U	11.3 U	134 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloroethane, 1,1-	µg/kg	240000^{A} 480000^{B} 270^{C}	4.6 U	260 U	4.4 U	52.1 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**770 JD^{C}**	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloroethane, 1,2-	µg/kg	30000^{A} 60000^{B} 20_g^{C}	5.9 U	***337 U***	5.7 U	***67.6 U***	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloroethylene, 1,1-	µg/kg	500000_c^{A} 1000000_d^{B} 330^{C}	5.9 U	***334 U***	5.6 U	**194**	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**84**	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloroethylene, cis-1,2-	µg/kg	500000_c^{A} 1000000_d^{B} 250^{C}	5.2 U	***299 U***	5.0 U	59.9 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**13**	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloroethylene, trans-1,2-	µg/kg	500000_c^{A} 1000000_d^{B} 190^{C}	5.8 U	***330 U***	5.6 U	66.2 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**2.6 J**	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloropropane, 1,2-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	4.3 U	246 U	4.1 U	49.3 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloropropane, 1,3-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	4.3 U	243 U	4.1 U	48.6 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/kg	n/v	6.1 U	348 U	5.8 U	69.7 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,1-	µg/kg	n/v	6.0 U	344 U	5.8 U	69.0 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	3.1 U	179 U	3.0 U	35.9 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Dichloropropene, trans-1,3-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	3.4 U	193 U	3.2 U	38.7 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Diisopropyl Ether	µg/kg	n/v	3.8 U	214 U	3.6 U	43.0 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/kg	130000^{A} 250000^{B} 100_f^{C}	***102 U***	***5830 U***	98.0 U	***1170 U***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/kg	n/v	385 U	21900 U	368 U	4390 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Ether	µg/kg	n/v	4.6 U	264 U	4.4 U	52.8 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 6
Summary of Analytical Results in Subsurface Soil from Boring and Monitoring Well Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			BS-1	BS-2	BS-3	BS-4	B/MW-5	B/MW-6	B/MW-7	B/MW-8	B/MW-9	B/MW-10	B/MW-11	B/MW-14	B-15	B-16		B-17	B-18	B-19	B-20	B/MW-22
Sample Date			10-Dec-09	10-Dec-09	11-Dec-09	11-Dec-09	2-Dec-10	1-Dec-10	2-Dec-10	1-Dec-10	30-Nov-10	30-Nov-10	30-Nov-10	30-Nov-10	2-Dec-10	3-Dec-10	3-Dec-10	3-Dec-10	2-Dec-10	3-Dec-10	3-Dec-10	3-Dec-10
Sample ID			BS-S-1	BS-S-2	BS-S-3	BS-S-4	BA-B5-S	BA-B6-S	BA-B7-S	BA-B8-S	BA-B9-S	BA-B10-S	BA-B11-S	BA-B14-S	BA-B15-S	BA-B16-S	BA-B16-S2	BA-B17-S	BA-B18-S	BA-B19-S	BA-B20-S	BA-B22-S
Sample Depth			8 - 9 ft	7 - 8 ft	8 - 9 ft	8 - 10 ft	8 - 8.7 ft	2 - 2.8 ft	4.7 - 5.1 ft	11.5 - 12 ft	8 - 10 ft	8 - 9.6 ft	8 - 9 ft	8 - 10 ft	8 - 10.3 ft	10.8 - 11.2 ft	17.5 - 18 ft	4.6 - 6.6 ft	9.2 - 9.7 ft	4 - 4.9 ft	4 - 4.8 ft	15.5 - 16 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			SB05469	SB05469	SB05538	SB05538	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728
Laboratory Sample ID			SB05469-01	SB05469-02	SB05538-01	SB05538-03	RTL0493-05	RTL0315-03	RTL0493-02	RTL0493-01	RTK1728-04	RTL0315-01	RTL0315-02	RTK1728-03	RTL0493-04	RTL0522-04	RTL0522-05	RTL0522-03	RTL0493-03	RTL0522-01	RTL0522-02	RTL0493-06
Sample Type	Units	6NYCRR																				
Volatile Organic Compounds (cont'd)																						
Ethyl Tert Butyl Ether	µg/kg	n/v	6.1 U	348 U	5.8 U	69.7 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/kg	390000[A] 780000[B] 1000[C]	5.7 U	323 U	5.4 U	64.8 U	5.8 U	6.4 U J	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U J
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	3.9 U	221 U	3.7 U	44.4 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Hexachlorobutadiene	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	4.7 U	267 U	4.5 U	53.5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2-	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	21.1 U	1200 U	20.2 U	241 U	29 U	32 U	30 U	33 U	32 U	30 U	30 U	32 U	32 U	30 U	30 U	30 U	31 U	34 U	32 U	30 U
Isopropylbenzene	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	4.0 U	225 U	3.8 U	45.1 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Methyl Acetate	µg/kg	n/v	-	-	-	-	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Methyl Ethyl Ketone (MEK)	µg/kg	500000_c[A] 1000000_d[B] 120[C]	23.4 U	***1330 U***	22.4 U	***267 U***	29 U	32 U	30 U	33 U	32 U	30 U	30 U	32 U	32 U	30 U	30 U	30 U	31 U	34 U	32 U	30 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	14.1 U	805 U	13.5 U	161 U	29 U	32 U	30 U	33 U	32 U	30 U	30 U	32 U	32 U	30 U	30 U	30 U	31 U	34 U	32 U	30 U
Methyl tert-butyl ether (MTBE)	µg/kg	500000_c[A] 1000000_d[B] 930[C]	4.9 U	281 U	4.7 U	56.3 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Methylcyclohexane	µg/kg	n/v	-	-	-	-	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Methylene Chloride (Dichloromethane)	µg/kg	500000_c[AC] 1000000_d[B]	30.6 U	***1740 U***	29.3 U	***349 U***	**13**	**13**	**8.2**	**12**	**11**	**9.0**	**11**	**11**	**8.5**	**34**	**33**	**37**	**8.9**	**45**	**38**	**6.2**
Naphthalene	µg/kg	500000_c[A] 1000000_d[B] 12000[C]	5.1 U	288 U	4.8 U	**60.6 J**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenylbutane, 2- (sec-Butylbenzene)	µg/kg	500000_c[A] 1000000_d[B] 11000[C]	4.3 U	243 U	4.1 U	48.6 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/kg	500000_c[A] 1000000_d[B] 3900[C]	4.5 U	257 U	4.3 U	51.4 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	3.1 U	176 U	3.0 U	35.2 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Tert Amyl Methyl Ether	µg/kg	n/v	5.6 U	320 U	5.4 U	64.1 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tert-Butyl Alcohol	µg/kg	n/v	56.0 U	3190 U	53.6 U	639 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/kg	n/v	5.6 U	320 U	5.4 U	64.1 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	4.4 U	253 U	4.3 U	50.7 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Tetrachloroethylene (PCE)	µg/kg	150000[A] 300000[B] 1300[C]	5.4 U	306 U	5.1 U	61.3 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**1.5 J**	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U J
Tetrahydrofuran	µg/kg	n/v	10.7 U	608 U	10.2 U	122 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/kg	500000_c[A] 1000000_d[B] 700[C]	5.6 U	316 U	5.3 U	63.4 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U J
Trichlorobenzene, 1,2,3-	µg/kg	n/v	4.8 U	274 U	4.6 U	54.9 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	5.7 U	323 U	5.4 U	64.8 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Trichlorobenzene, 1,3,5-	µg/kg	n/v	4.7 U	267 U	4.5 U	53.5 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/kg	500000_c[A] 1000000_d[B] 680[C]	5.7 U	327 U	5.5 U	65.5 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**130**	**1.5 J**	**1.5 J**	**1.7 J**	6.8 U	6.5 U	6.0 U
Trichloroethane, 1,1,2-	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	3.9 U	221 U	3.7 U	44.4 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Trichloroethylene (TCE)	µg/kg	200000[A] 400000[B] 470[C]	**16.8**	**37500**[C]	5.8 U	**16800**[C]	5.8 U	6.4 U J	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**25000 D**[C]	**46**	6.0 U	**2.1 J**	6.8 U	6.5 U	6.0 U J
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	4.9 U	281 U	4.7 U	56.3 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Trichloropropane, 1,2,3-	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	5.2 U	299 U	5.0 U	59.9 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	3.7 U	211 U	3.5 U	42.3 U	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	6.1 U	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Trimethylbenzene, 1,2,4-	µg/kg	190000[A] 380000[B] 3600[C]	4.8 U	274 U	4.6 U	54.9 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/kg	190000[A] 380000[B] 8400[C]	5.9 U	334 U	5.6 U	66.9 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/kg	13000[A] 27000[B] 20[C]	4.9 U	***281 U***	4.7 U	***56.3 U***	5.8 U	6.4 U	6.0 U	6.5 U	6.4 U	5.9 U	6.0 U	6.4 U	6.4 U	**1.4 J**	6.0 U	6.0 U	6.1 U	6.8 U	6.5 U	6.0 U
Xylene, m & p-	µg/kg	$500000_{c,p}$[A] $1000000_{d,p}$[B] 1600_p[C]	9.9 U	562 U	9.5 U	113 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/kg	$500000_{c,p}$[A] $1000000_{d,p}$[B] 1600_p[C]	3.9 U	221 U	3.7 U	44.4 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/kg	500000_c[A] 1000000_d[B] 1600[C]	-	-	-	-	12 U	13 U J	12 U	13 U	13 U	**1.5 J**	12 U	13 U	13 U	12 U	12 U	12 U	12 U	14 U	13 U	12 U J
Total VOC	µg/kg	500000_c[A] n/v[B] 1000000_d[C]	**16.8**	**37500**	**ND**	**17054.6**	**13**	**13**	**8.2**	**12**	**11**	**10.5**	**11**	**11**	**8.5**	**26040.1**	**80.5**	**38.5**	**12.7**	**45**	**38**	**6.2**

See last page for notes.

Table 6
Summary of Analytical Results in Subsurface Soil from Boring and Monitoring Well Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location	Units	6NYCRR	B/MW-23		B-24			B/MW-25	B/MW-26	B/MW-27			B/MW-28D		B-29	B-30	B-31		B-32
Sample Date			6-Dec-10	6-Dec-10	6-Dec-10	6-Dec-10	6-Dec-10	6-Dec-10	3-Feb-11	3-Feb-11	3-Feb-11	3-Feb-11	1-Feb-11	1-Feb-11	4-Feb-11	4-Feb-11	4-Feb-11	4-Feb-11	7-Feb-11
Sample ID			BA-B23-S	BA-B23-S2	BA-B24-S	BA-B24-S2	BA-B24-S3	BA-B25-S	BA-B26-S	BA-B27-S	BA-B27-S2	BA-B27-S2/D	BA-B28D-S	BA-B28D-S2	BA-B29-S	BA-B30-S	BA-B31-S	BA-B31-S2	BA-B32-S
Sample Depth			8 - 8.5 ft	10 - 10.6 ft	0.2 - 0.6 ft	6 - 6.6 ft	10 - 10.7 ft	6 - 7 ft	8 - 8.4 ft	0.4 - 1.4 ft	6.5 - 7.3 ft	6.5 - 7.3 ft	5.3 - 5.8 ft	39 - 40 ft	4.5 - 6 ft	4.6 - 5.4 ft	0.3 - 0.9 ft	8 - 9 ft	6 - 8.4 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1
Laboratory Sample ID			RTL0630-05	RTL0630-06	RTL0630-02	RTL0630-03	RTL0630-04	RTL0630-01	480-1409-4	480-1409-1	480-1409-2	480-1409-3	480-1342-1	480-1342-2	480-1418-1	480-1418-2	480-1418-3	480-1418-4	480-1441-1
Sample Type												Field Duplicate							
General Chemistry																			
Total Solids	%	n/v	**78**	**77**	**92**	**80**	**80**	**86**	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
Acetone	µg/kg	500000_c^{AC} 1000000_d^{B}	12 U	22 U	27 U	7.0 U	10 U	5.7 U	25 U	**25**	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acrylonitrile	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/kg	44000^{A} 89000^{B} 60^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromobenzene	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform (tribromomethane)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U J	6.3 U	5.4 U	6.2 U	6.1 U J	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzene, n-	µg/kg	500000_c^{A} 1000000_d^{B} 12000^{C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/kg	500000_c^{A} 1000000_d^{B} 5900^{C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U J	6.3 U	5.4 U	6.2 U	**3.5 J**	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22000^{A} 44000^{B} 760^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500000_c^{A} 1000000_d^{B} 1100^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobromomethane	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	µg/kg	350000^{A} 700000^{B} 370^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorotoluene, 2-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorotoluene, 4-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/kg	n/v	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**15**	5.0 U	5.0 U
Cymene (p-Isopropyltoluene)	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/kg	n/v	6.4 U J	6.3 U	5.4 U	6.2 U	6.1 U J	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U J	6.3 U	5.4 U	6.2 U	6.1 U J	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromomethane (Methylene Bromide)	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/kg	500000_c^{A} 1000000_d^{B} 1100^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,3-	µg/kg	280000^{A} 560000^{B} 2400^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobenzene, 1,4-	µg/kg	130000^{A} 250000^{B} 1800^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorobutene, trans-1,4-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	µg/kg	n/v	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethane, 1,1-	µg/kg	240000^{A} 480000^{B} 270^{C}	**67 J**	**2.2 J**	5.4 U	**110**	**2.5 J**	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**8.0**	5.0 U
Dichloroethane, 1,2-	µg/kg	30000^{A} 60000^{B} 20_g^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethylene, 1,1-	µg/kg	500000_c^{A} 1000000_d^{B} 330^{C}	**42**	**1.4 J**	5.4 U	**22**	**5.3 J**	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethylene, cis-1,2-	µg/kg	500000_c^{A} 1000000_d^{B} 250^{C}	**3.6 J**	**4.6 J**	5.4 U	**2.1 J**	**1.4 J**	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloroethylene, trans-1,2-	µg/kg	500000_c^{A} 1000000_d^{B} 190^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropane, 1,3-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,1-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloropropene, trans-1,3-	µg/kg	500000_c^{A} n/v^{B} 1000000_d^{C}	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diisopropyl Ether	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/kg	130000^{A} 250000^{B} 100_f^{C}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Ether	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See last page for notes.

Table 6
Summary of Analytical Results in Subsurface Soil from Boring and Monitoring Well Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-23		B-24			B/MW-25	B/MW-26	B/MW-27			B/MW-28D		B-29	B-30	B-31		B-32
Sample Date			6-Dec-10	6-Dec-10	6-Dec-10	6-Dec-10	6-Dec-10	6-Dec-10	3-Feb-11	3-Feb-11	3-Feb-11	3-Feb-11	1-Feb-11	1-Feb-11	4-Feb-11	4-Feb-11	4-Feb-11	4-Feb-11	7-Feb-11
Sample ID			BA-B23-S	BA-B23-S2	BA-B24-S	BA-B24-S2	BA-B24-S3	BA-B25-S	BA-B26-S	BA-B27-S	BA-B27-S2	BA-B27-S2/D	BA-B28D-S	BA-B28D-S2	BA-B29-S	BA-B30-S	BA-B31-S	BA-B31-S2	BA-B32-S
Sample Depth			8 - 8.5 ft	10 - 10.6 ft	0.2 - 0.6 ft	6 - 6.6 ft	10 - 10.7 ft	6 - 7 ft	8 - 8.4 ft	0.4 - 1.4 ft	6.5 - 7.3 ft	6.5 - 7.3 ft	5.3 - 5.8 ft	39 - 40 ft	4.5 - 6 ft	4.6 - 5.4 ft	0.3 - 0.9 ft	8 - 9 ft	6 - 8.4 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1	480-1342-1
Laboratory Sample ID			RTL0630-05	RTL0630-06	RTL0630-02	RTL0630-03	RTL0630-04	RTL0630-01	480-1409-4	480-1409-1	480-1409-2	480-1409-3	480-1342-1	480-1342-2	480-1418-1	480-1418-2	480-1418-3	480-1418-4	480-1441-1
Sample Type	Units	6NYCRR										Field Duplicate							
Volatile Organic Compounds (cont'd)																			
Ethyl Tert Butyl Ether	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/kg	390000[A] 780000[B] 1000[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	**9.0**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**7.2**	5.0 U	5.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	n/v	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	32 U	31 U	27 U	31 U	31 U	28 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Isopropylbenzene	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl Acetate	µg/kg	n/v	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U *	5.0 U *	5.0 U *	5.0 U *	5.0 U *	5.0 U *	5.0 U *	5.0 U *	5.0 U *	5.0 U *	5.0 U *
Methyl Ethyl Ketone (MEK)	µg/kg	500000$_c$[A] 1000000$_d$[B] 120[C]	32 U	31 U	27 U	31 U	31 U	28 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	32 U	31 U	27 U	31 U	31 U	28 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Methyl tert-butyl ether (MTBE)	µg/kg	500000$_c$[A] 1000000$_d$[B] 930[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	µg/kg	n/v	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	**38**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**34**	5.0 U	5.0 U
Methylene Chloride (Dichloromethane)	µg/kg	500000$_c$[AC] 1000000$_d$[B]	**5.7 J**	**11**	**6.6**	**8.2**	**4.8 J**	**5.2 J**	5.0 U	**6.1**	5.0 U	**5.1**	**7.1**	**5.6**	**11**	5.0 U	**5.2**	5.0 U	**10**
Naphthalene	µg/kg	500000$_c$[A] 1000000$_d$[B] 12000[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenylbutane, 2- (sec-Butylbenzene)	µg/kg	500000$_c$[A] 1000000$_d$[B] 11000[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/kg	500000$_c$[A] 1000000$_d$[B] 3900[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tert Amyl Methyl Ether	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tert-Butyl Alcohol	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethylene (PCE)	µg/kg	150000[A] 300000[B] 1300[C]	6.4 U	6.3 U	5.4 U	**12**	**89 J**	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrahydrofuran	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/kg	500000$_c$[A] 1000000$_d$[B] 700[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,2,3-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorobenzene, 1,3,5-	µg/kg	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/kg	500000$_c$[A] 1000000$_d$[B] 680[C]	**12**	**18**	5.4 U	**4000 D[C]**	**400**	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethylene (TCE)	µg/kg	200000[A] 400000[B] 470[C]	**10000[C]**	**89**	**2.3 J**	**35000 D[C]**	**5100[C]**	**7.3**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloropropane, 1,2,3-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trimethylbenzene, 1,2,4-	µg/kg	190000[A] 380000[B] 3600[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/kg	190000[A] 380000[B] 8400[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/kg	13000[A] 27000[B] 20[C]	6.4 U	6.3 U	5.4 U	6.2 U	6.1 U	5.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylene, m & p-	µg/kg	500000$_{c,p}$[A] 1000000$_{d,p}$[B] 1600$_p$[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/kg	500000$_{c,p}$[A] 1000000$_{d,p}$[B] 1600$_p$[C]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/kg	500000$_c$[A] 1000000$_d$[B] 1600[C]	13 U	13 U	11 U	12 U	12 U	11 U	10 U	**13**	10 U	10 U	10 U	10 U	10 U	10 U	**22**	10 U	10 U
Total VOC	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	**10130.3**	**126.2**	**8.9**	**39154.3**	**5606.5**	**12.5**	**ND**	**91.1**	**ND**	**5.1**	**7.1**	**5.6**	**11**	**ND**	**83.4**	**8.0**	**10**

See last page for notes.

Table 6
Summary of Analytical Results in Subsurface Soil from Boring and Monitoring Well Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
C	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Groundwater
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
*	Indicates analysis is not within the quality control limits.
D	Reported result taken from diluted sample analysis.
E	Compound was over the calibration range.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
ft	feet
ND	Not detected

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Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			**B/MW-6**	**B/MW-9**	**B/MW-10**	**B/MW-11**	**B/MW-12**	**B/MW-13**	**B/MW-14**	**B-15**	**B-17**	**B-19**	**B-20**
Sample Date			**1-Dec-10**	**30-Nov-10**	**30-Nov-10**	**30-Nov-10**	**29-Nov-10**	**29-Nov-10**	**30-Nov-10**	**2-Dec-10**	**3-Dec-10**	**3-Dec-10**	**3-Dec-10**
Sample ID			**BA-B6-S**	**BA-B9-S**	**BA-B10-S**	**BA-B11-S**	**BA-B12-S**	**BA-B13-S**	**BA-B14-S**	**BA-B15-S**	**BA-B17-S**	**BA-B19-S**	**BA-B20-S**
Sample Depth			**2 - 2.8 ft**	**8 - 10 ft**	**8 - 9.6 ft**	**8 - 9 ft**	**8 - 9 ft**	**8 - 8.6 ft**	**8 - 10 ft**	**8 - 10.3 ft**	**4.6 - 6.6 ft**	**4 - 4.9 ft**	**4 - 4.8 ft**
Sampling Company			**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**	**STANTEC**
Laboratory			**TALAM**	**TALAM**	**TALAM**	**TALAM**	**TALAM**	**TALAM**	**TALAM**	**TALAM**	**TALAM**	**TALAM**	**TALAM**
Laboratory Work Order			**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**	**RTK1728**
Laboratory Sample ID			**RTL0315-03**	**RTK1728-04**	**RTL0315-01**	**RTL0315-02**	**RTK1728-01**	**RTK1728-02**	**RTK1728-03**	**RTL0493-04**	**RTL0522-03**	**RTL0522-01**	**RTL0522-02**
Sample Type	**Units**	**6NYCRR**											
General Chemistry													
Total Solids	%	n/v	**77**	**77**	**84**	**82**	**84**	**84**	**77**	**78**	**79**	**73**	**77**
Semi-Volatile Organic Compounds													
Acenaphthene	µg/kg	500000$_c$[A] 1000000$_d$[B] 98000[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Acenaphthylene	µg/kg	500000$_c$[A] 1000000$_d$[B] 107000[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Acetophenone	µg/kg	n/v	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Anthracene	µg/kg	500000$_c$[A] 1000000$_d$[BC]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Atrazine	µg/kg	n/v	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Benzaldehyde	µg/kg	n/v	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Benzo(a)anthracene	µg/kg	5600[A] 11000[B] 1000$_g$[C]	220 U	220 U	200 U	210 U	200 U	**87 JD**	220 U	220 U	210 U	230 U	220 U
Benzo(a)pyrene	µg/kg	1000$_g$[A] 1100[B] 22000[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Benzo(b)fluoranthene	µg/kg	5600[A] 11000[B] 1700[C]	220 U	220 U	200 U	210 U	200 U	**93 JD**	220 U	220 U	210 U	230 U	220 U
Benzo(g,h,i)perylene	µg/kg	500000$_c$[A] 1000000$_d$[BC]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Benzo(k)fluoranthene	µg/kg	56000[A] 110000[B] 1700[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	n/v	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Bis(2-Chloroethoxy)methane	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Bis(2-Chloroethyl)ether	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	**110 J B**	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Bromophenyl Phenyl Ether, 4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Butyl Benzyl Phthalate	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Caprolactam	µg/kg	n/v	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Carbazole	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Chloro-3-methyl phenol, 4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Chloroaniline, 4	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Chloronaphthalene, 2-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Chlorophenol, 2-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Chrysene	µg/kg	56000[A] 110000[B] 1000$_g$[C]	220 U	220 U	200 U	210 U	200 U	**70 JD**	**16 J**	220 U	210 U	230 U	220 U
Cresol, o- (Methylphenol, 2-)	µg/kg	500000$_c$[A] 1000000$_d$[B] 330$_f$[C]	220 U	220 U	200 U	210 U	200 U	***990 U D***	220 U	220 U	210 U	230 U	220 U
Cresol, p- (Methylphenol, 4-)	µg/kg	500000$_c$[A] 1000000$_d$[B] 330$_f$[C]	***420 U***	***420 U***	***390 U***	***400 U***	***390 U***	***1900 U D***	***420 U***	***420 U***	***410 U***	***440 U***	***420 U***
Dibenzo(a,h)anthracene	µg/kg	560[A] 1100[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	***990 U D***	220 U	220 U	210 U	230 U	220 U
Dibenzofuran	µg/kg	350000[A] 1000000$_d$[B] 210000[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Dichlorobenzidine, 3,3'-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Dichlorophenol, 2,4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Diethyl Phthalate	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Dimethyl Phthalate	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Dimethylphenol, 2,4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Di-n-Butyl Phthalate	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Dinitro-o-cresol, 4,6-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	420 U	420 U	390 U	400 U	390 U	1900 U D	420 U	420 U	410 U	440 U	420 U
Dinitrophenol, 2,4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	420 U	420 U	390 U	400 U	390 U	1900 U D	420 U	420 U	410 U	440 U	420 U
Dinitrotoluene, 2,4-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Dinitrotoluene, 2,6-	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Di-n-Octyl phthalate	µg/kg	500000$_c$[A] n/v[B] 1000000$_d$[C]	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Fluoranthene	µg/kg	500000$_c$[A] 1000000$_d$[BC]	220 U	220 U	200 U	210 U	200 U	**160 JD**	220 U	220 U	210 U	230 U	220 U

See next page for notes.

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Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-6	B/MW-9	B/MW-10	B/MW-11	B/MW-12	B/MW-13	B/MW-14	B-15	B-17	B-19	B-20
Sample Date			1-Dec-10	30-Nov-10	30-Nov-10	30-Nov-10	29-Nov-10	29-Nov-10	30-Nov-10	2-Dec-10	3-Dec-10	3-Dec-10	3-Dec-10
Sample ID			BA-B6-S	BA-B9-S	BA-B10-S	BA-B11-S	BA-B12-S	BA-B13-S	BA-B14-S	BA-B15-S	BA-B17-S	BA-B19-S	BA-B20-S
Sample Depth			2 - 2.8 ft	8 - 10 ft	8 - 9.6 ft	8 - 9 ft	8 - 9 ft	8 - 8.6 ft	8 - 10 ft	8 - 10.3 ft	4.6 - 6.6 ft	4 - 4.9 ft	4 - 4.8 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728	RTK1728
Laboratory Sample ID			RTL0315-03	RTK1728-04	RTL0315-01	RTL0315-02	RTK1728-01	RTK1728-02	RTK1728-03	RTL0493-04	RTL0522-03	RTL0522-01	RTL0522-02
Sample Type	Units	6NYCRR											
Semi-Volatile Organic Compounds (cont'd)													
Fluorene	µg/kg	500000$_c^A$ 1000000$_d^B$ 386000^C	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Hexachlorobenzene	µg/kg	6000^A 12000^B 3200^C	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Hexachlorobutadiene	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Hexachlorocyclopentadiene	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Hexachloroethane	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Indeno(1,2,3-cd)pyrene	µg/kg	5600^A 11000^B 8200^C	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Isophorone	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Methylnaphthalene, 2-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Naphthalene	µg/kg	500000$_c^A$ 1000000$_d^B$ 12000^C	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Nitroaniline, 2-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	420 U	420 U	390 U	400 U	390 U	1900 U D	420 U	420 U	410 U	440 U	420 U
Nitroaniline, 3-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	420 U	420 U	390 U	400 U	390 U	1900 U D	420 U	420 U	410 U	440 U	420 U
Nitroaniline, 4-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	420 U	420 U	390 U	400 U	390 U	1900 U D	420 U	420 U	410 U	440 U	420 U
Nitrobenzene	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Nitrophenol, 2-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Nitrophenol, 4-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	420 U	420 U	390 U	400 U	390 U	1900 U D	420 U	420 U	410 U	440 U	420 U
N-Nitrosodi-n-Propylamine	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
n-Nitrosodiphenylamine	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Pentachlorophenol	µg/kg	6700^A 55000^B 800$_f^C$	420 U	420 U	390 U	400 U	390 U	***1900 U D***	420 U	420 U	410 U	440 U	420 U
Phenanthrene	µg/kg	500000$_c^A$ 1000000$_d^{BC}$	220 U	220 U	200 U	210 U	200 U	**120 JD**	220 U	220 U	210 U	230 U	220 U
Phenol	µg/kg	500000$_c^A$ 1000000$_d^B$ 330$_f^C$	220 U	220 U	200 U	210 U	200 U	***990 U D***	220 U	220 U	210 U	230 U	220 U
Pyrene	µg/kg	500000$_c^A$ 1000000$_d^{BC}$	220 U	220 U	200 U	210 U	200 U	**120 JD**	**19 J**	220 U	210 U	230 U	220 U
Trichlorophenol, 2,4,5-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U
Trichlorophenol, 2,4,6-	µg/kg	500000$_c^A$ n/v^B 1000000$_d^C$	220 U	220 U	200 U	210 U	200 U	990 U D	220 U	220 U	210 U	230 U	220 U

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
C	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Groundwater
6.5^A	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g^{AC}	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
B	Analyte was detected in the associated Method Blank.
D	Reported result taken from diluted sample analysis.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
ft	feet

Table 6
Summary of Analytical Results in Subsurface Soil from Boring and Monitoring Well Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-9	B/MW-10	B/MW-14	B-15	B-17
Sample Date			30-Nov-10	30-Nov-10	30-Nov-10	2-Dec-10	3-Dec-10
Sample ID			BA-B9-S	BA-B10-S	BA-B14-S	BA-B15-S	BA-B17-S
Sample Depth			8 - 10 ft	8 - 9.6 ft	8 - 10 ft	8 - 10.3 ft	4.6 - 6.6 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTK1728	RTK1728	RTK1728	RTK1728	RTK1728
Laboratory Sample ID			RTK1728-04	RTL0315-01	RTK1728-03	RTL0493-04	RTL0522-03
Sample Type	Units	6NYCRR					
Metals							
Aluminum	mg/kg	10000_e^A n/v^B 10000_d^C	**7130**	**6900**	**8810**	**8980 B**	**7490**
Antimony	mg/kg	10000_e^A n/v^B 10000_d^C	19.1 U J	17.6 U J	19.3 U J	**1.0 J**	18.4 U J
Arsenic	mg/kg	16_g^{ABC}	**7.5**	**6.9**	**9.5**	**7.7**	**7.0**
Barium	mg/kg	400^A 10000_e^B 820^C	**53.2**	**50.9**	**45.8**	**69.6**	**46.9**
Beryllium	mg/kg	590^A 2700^B 47^C	**0.360**	**0.359**	**0.450**	**0.439**	**0.377**
Cadmium	mg/kg	9.3^A 60^B 7.5^C	**0.141 J**	**0.146 J**	**0.149 J**	**0.145 J**	**0.140 J**
Calcium	mg/kg	10000_e^A n/v^B 10000_d^C	**26300 B^{AC}**	**24100 B^{AC}**	**25200 B^{AC}**	**28600 B^{AC}**	**26200 B^{AC}**
Chromium (Total)	mg/kg	NS,q^{ABC}	**9.24**	**9.09**	**11.5**	**12.7**	**10.1**
Cobalt	mg/kg	10000_e^A n/v^B 10000_d^C	**7.68**	**7.40**	**9.78**	**9.88**	**8.49**
Copper	mg/kg	270^A 10000_e^B 1720^C	**17.2**	**15.3**	**17.5**	**18.1**	**15.9**
Iron	mg/kg	10000_e^A n/v^B 10000_d^C	**17000 B^{AC}**	**16400 B^{AC}**	**21100 B^{AC}**	**20200 B^{AC}**	**17600 B^{AC}**
Lead	mg/kg	1000^A 3900^B 450^C	**10.2**	**9.6**	**11.7**	**11.0**	**9.3**
Magnesium	mg/kg	10000_e^A n/v^B 10000_d^C	**11300^{AC}**	**10500^{AC}**	**11700^{AC}**	**12600^{AC}**	**11300^{AC}**
Manganese	mg/kg	10000_e^{AB} 2000_g^C	**432 B**	**409 B**	**482 B**	**597 B**	**378**
Mercury	mg/kg	2.8_k^A 5.7_k^B 0.73^C	0.0241 U	0.0238 U	0.0256 U	0.0255 U	0.0246 U
Nickel	mg/kg	310^A 10000_e^B 130^C	**17.0**	**16.4**	**21.5**	**21.9**	**18.8**
Potassium	mg/kg	10000_e^A n/v^B 10000_d^C	**1430 J**	**1310 J**	**1580 J**	**1570 J**	**1300 J**
Selenium	mg/kg	1500^A 6800^B 4_g^C	***5.1 U***	***4.7 U***	***5.1 U***	***5.0 U***	***4.9 U***
Silver	mg/kg	1500^A 6800^B 8.3^C	0.637 U	0.585 U	0.643 U	0.631 U	0.615 U
Sodium	mg/kg	10000_e^A n/v^B 10000_d^C	**96.4 J**	**111 J**	**88.4 J**	**120 J**	**78.2 J**
Thallium	mg/kg	10000_e^A n/v^B 10000_d^C	7.6 U	7.0 U	7.7 U	7.6 U	7.4 U
Vanadium	mg/kg	10000_e^A n/v^B 10000_d^C	**11.2**	**10.7**	**13.3**	**14.5**	**12.7**
Zinc	mg/kg	10000_e^{AB} 2480^C	**46.2 B**	**45.0 B**	**52.3 B**	**50.1 B**	**43.6**
Pesticides							
Aldrin	µg/kg	680^A 1400^B 190^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
BHC, alpha-	µg/kg	3400^A 6800^B 20^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
BHC, beta-	µg/kg	3000^A 14000^B 90^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
BHC, delta-	µg/kg	500000_c^A 1000000_d^B 250^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Camphechlor (Toxaphene)	µg/kg	500000_c^A n/v^B 1000000_d^C	21 U	20 U	21 U J	21 U	21 U
Chlordane (Total)	µg/kg	500000_c^A n/v^B 1000000_d^C	21 U	-	21 U J	-	-
Chlordane, alpha-	µg/kg	24000^A 47000^B 2900^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Chlordane, gamma-	µg/kg	500000_c^A n/v^B 1000000_d^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
DDD (p,p'-DDD)	µg/kg	92000^A 180000^B 14000^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
DDE (p,p'-DDE)	µg/kg	62000^A 120000^B 17000^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
DDT (p,p'-DDT)	µg/kg	47000^A 94000^B 136000^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Dieldrin	µg/kg	1400^A 2800^B 100^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Endosulfan I	µg/kg	200000_l^A 920000_l^B 102000^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Endosulfan II	µg/kg	200000_l^A 920000_l^B 102000^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Endosulfan Sulfate	µg/kg	200000_l^A 920000_l^B 1000000_d^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Endrin	µg/kg	89000^A 410000^B 60^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Endrin Aldehyde	µg/kg	500000_c^A n/v^B 1000000_d^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Endrin Ketone	µg/kg	500000_c^A n/v^B 1000000_d^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Heptachlor	µg/kg	15000^A 29000^B 380^C	2.1 U	2.0 U J	2.1 U J	2.1 U J	2.1 U J
Heptachlor Epoxide	µg/kg	500000_c^A n/v^B 1000000_d^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Lindane (Hexachlorocyclohexane, gamma)	µg/kg	9200^A 23000^B 100^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U
Methoxychlor (4,4'-Methoxychlor)	µg/kg	500000_c^A n/v^B 1000000_d^C	2.1 U	2.0 U	2.1 U J	2.1 U	2.1 U

See next page for notes.

Table 6
Summary of Analytical Results in Subsurface Soil from Boring and Monitoring Well Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens
Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-9	B/MW-10	B/MW-14	B-15	B-17
Sample Date			30-Nov-10	30-Nov-10	30-Nov-10	2-Dec-10	3-Dec-10
Sample ID			BA-B9-S	BA-B10-S	BA-B14-S	BA-B15-S	BA-B17-S
Sample Depth			8 - 10 ft	8 - 9.6 ft	8 - 10 ft	8 - 10.3 ft	4.6 - 6.6 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			RTK1728	RTK1728	RTK1728	RTK1728	RTK1728
Laboratory Sample ID			RTK1728-04	RTL0315-01	RTK1728-03	RTL0493-04	RTL0522-03
Sample Type	Units	6NYCRR					
Polychlorinated Biphenyls							
Aroclor 1016	µg/kg	1000_o^A 25000_o^B 3200_o^C	21 U J	20 U J	21 U J	21 U J	21 U J
Aroclor 1221	µg/kg	1000_o^A 25000_o^B 3200_o^C	21 U	20 U	21 U	21 U	21 U
Aroclor 1232	µg/kg	1000_o^A 25000_o^B 3200_o^C	21 U	20 U	21 U	21 U	21 U
Aroclor 1242	µg/kg	1000_o^A 25000_o^B 3200_o^C	21 U	20 U	21 U	21 U	21 U
Aroclor 1248	µg/kg	1000_o^A 25000_o^B 3200_o^C	21 U	20 U	21 U	21 U	21 U
Aroclor 1254	µg/kg	1000_o^A 25000_o^B 3200_o^C	21 U	20 U	21 U	21 U	21 U
Aroclor 1260	µg/kg	1000_o^A 25000_o^B 3200_o^C	21 U	20 U	21 U	21 U	21 U
Aroclor 1262	µg/kg	n/v	21 U	20 U	21 U	21 U	21 U
Aroclor 1268	µg/kg	n/v	21 U	20 U	21 U	21 U	21 U

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
^{A}	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
^{B}	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Industrial
^{C}	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Groundwater
6.5^A	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
^{NS,q}	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium. For commercial use, these are 1500 and 400 mg/kg respectively.
^{c}	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
^{d}	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
$^{AB}_e$	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
$^{ABC}_g$	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
$^{AB}_j$	This SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
$^{ABC}_o$	The criterion is applicable to total PCBs, and the individual aroclors should be added for comparison.
B	Analyte was detected in the associated Method Blank.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
ft	feet

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			BS-1	BS-2			BS-3			BS-4			B/MW-5		B/MW-6		B/MW-7		B/MW-8		B/MW-9	
Sample Date			10-Dec-09	10-Dec-09	5-Jan-11	21-Apr-11	11-Dec-09	5-Jan-11	21-Apr-11	11-Dec-09	4-Jan-11	21-Apr-11	5-Jan-11	20-Apr-11	6-Jan-11	21-Apr-11	5-Jan-11	20-Apr-11	7-Jan-11	20-Apr-11	5-Jan-11	5-Jan-11
Sample ID			BS-GW-1	BS-GW-2	BA-BS2-W	BA-BS2-R2-W	BS-GW-3	BA-BS3-W	BA-BS3-R2-W	BS-GW-4	BA-BS4-W	BA-BS4-R2-W	BA-MW5-W	BA-MW5-R2-W	BA-MW6-W	BA-MW6-R2-W	BA-MW7-W	BA-MW7-R2-W	BA-MW8-W	BA-MW8-R2-W	BA-MW9-W	BA-MW9-W/D
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	TALAM	TALAM	SPECTRUM	TALAM	TALAM	SPECTRUM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			SB05469	SB05469	480-548-1	480-4050-1	SB05538	480-548-1	480-4050-1	SB05538	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-548-1
Laboratory Sample ID			SB05469-03	SB05469-04	480-633-6	480-4050-7	SB05538-02	480-633-5	480-4050-8	SB05538-04	480-548-3	480-4050-9	480-633-4	480-4050-4	480-689-5	480-4050-10	480-633-2	480-4050-5	480-689-7	480-4050-2	480-548-5	480-548-6
Sample Type	Units	TOGS																				Field Duplicate
Volatile Organic Compounds																						
Acetone	µg/L	50[A]	4.6 U	45.8 U	10 U	10 U	4.6 U	10 U	10 U	22.9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	µg/L	5*[B]	0.5 U	4.8 U	5.0 U	-	0.5 U	5.0 U	-	2.4 U	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	5.0 U
Benzene	µg/L	1[B]	0.5 U	***4.9 U***	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	***2.4 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	µg/L	5*[B]	0.5 U	4.7 U	-	-	0.5 U	-	-	2.4 U	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[A]	0.5 U	4.9 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	2.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform (tribromomethane)	µg/L	50[A]	1.0 U	9.7 U	1.0 U	1.0 U J	1.0 U	1.0 U	1.0 U J	4.8 U	1.0 U	1.0 U J	1.0 U	1.0 U	1.0 U	1.0 U J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5*[B]	1.2 U	***12.5 U***	1.0 U	1.0 U	1.2 U	1.0 U	1.0 U	***6.2 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, n-	µg/L	5*[B]	0.8 U	***8.3 U***	-	-	0.8 U	-	-	4.2 U	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5*[B]	0.5 U	***5.1 U***	-	-	0.5 U	-	-	2.6 U	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	0.9 U	8.9 U	1.0 U	1.0 U	0.9 U	1.0 U	1.0 U	4.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	0.8 U	***8.5 U***	1.0 U	1.0 U	0.8 U	1.0 U	1.0 U	4.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorinated Fluorocarbon (Freon 113)	µg/L	5*[B]	1.0 U	***9.9 U***	-	1.0 U	1.0 U	-	1.0 U	5.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	5*[B]	0.5 U	5.0 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5*[B]	1.0 U	***9.5 U***	1.0 U	-	1.0 U	1.0 U	-	4.8 U	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	1.0 U
Chloroethane (Ethyl Chloride)	µg/L	5*[B]	1.1 U	***11.0 U***	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	***5.5 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	7[B]	0.8 U	***8.1 U***	1.0 U	1.0 U	0.8 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	5*[B]	0.9 U	***8.8 U***	1.0 U	1.0 U	0.9 U	1.0 U	1.0 U	4.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorotoluene, 2-	µg/L	5*[B]	0.7 U	***6.7 U***	-	-	0.7 U	-	-	3.4 U	-	-	-	-	-	-	-	-	-	-	-	-
Chlorotoluene, 4-	µg/L	5*[B]	0.5 U	***5.3 U***	-	-	0.5 U	-	-	2.6 U	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/L	n/v	-	-	-	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Cymene (p-Isopropyltoluene)	µg/L	5*[B]	0.5 U	***5.1 U***	-	-	0.5 U	-	-	2.6 U	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/L	0.04[B]	***1.7 U***	***16.6 U***	***1.0 U***	***1.0 U***	***1.7 U***	***1.0 U***	***1.0 U***	***8.3 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dibromochloromethane	µg/L	50[A]	0.4 U	4.4 U	1.0 U	1.0 U J	0.4 U	1.0 U	1.0 U J	2.2 U	1.0 U	1.0 U J	1.0 U	1.0 U	1.0 U	1.0 U J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane (Methylene Bromide)	µg/L	5*[B]	0.7 U	***6.7 U***	1.0 U	-	0.7 U	1.0 U	-	3.4 U	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	1.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	0.4 U	***4.5 U***	1.0 U	1.0 U	0.4 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,3-	µg/L	3[B]	0.5 U	***5.4 U***	-	1.0 U	0.5 U	-	1.0 U	2.7 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	0.5 U	***5.2 U***	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	2.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobutene, trans-1,4-	µg/L	n/v	2.8 U	27.7 U	5.0 U	-	2.8 U	5.0 U	-	13.8 U	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	5.0 U
Dichlorodifluoromethane	µg/L	5*[B]	0.9 U	***8.8 U***	-	1.0 U	0.9 U	-	1.0 U	4.4 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Dichloroethane, 1,1-	µg/L	5*[B]	0.6 U	**8.4 J[B]**	**200[B]**	1.0 U	0.6 U	1.0 U	1.0 U	**110[B]**	**190[B]**	**1.2**	1.0 U	1.0 U	1.0 U	**1.0**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	0.6 U	***6.3 U***	***1.0 U***	***1.0 U***	0.6 U	***1.0 U***	***1.0 U***	***3.2 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloroethylene, 1,1-	µg/L	5*[B]	0.7 U	***7.2 U***	**28[B]**	1.0 U	0.7 U	1.0 U	1.0 U	**25.6[B]**	**120[B]**	**2.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethylene, cis-1,2-	µg/L	5*[B]	0.6 U	**6.6 J[B]**	**160[B]**	**1.4**	0.6 U	1.0 U	1.0 U	**8.0[B]**	**12[B]**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethylene, trans-1,2-	µg/L	5*[B]	0.9 U	***9.1 U***	**1.7**	1.0 U	0.9 U	1.0 U	1.0 U	4.6 U	**1.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,2-	µg/L	1[B]	0.5 U	***5.3 U***	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	***2.6 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,3-	µg/L	5*[B]	0.7 U	***6.6 U***	-	-	0.7 U	-	-	3.3 U	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5*[B]	0.6 U	***6.2 U***	-	-	0.6 U	-	-	3.1 U	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,1-	µg/L	5*[B]	0.8 U	***7.8 U***	-	-	0.8 U	-	-	3.9 U	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	0.4 U	***4.0 U***	***1.0 U***	***1.0 U***	0.4 U	***1.0 U***	***1.0 U***	***2.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	0.4 U	***3.9 U***	***1.0 U***	***1.0 U***	0.4 U	***1.0 U***	***1.0 U***	***2.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Diisopropyl Ether	µg/L	n/v	0.6 U	5.5 U	-	-	0.6 U	-	-	2.8 U	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/L	n/v	20.0 U	200 U	-	-	20.0 U	-	-	100 U	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/L	n/v	37.7 U	377 U	-	-	37.7 U	-	-	189 U	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Ether	µg/L	n/v	0.6 U	6.4 U	-	-	0.6 U	-	-	3.2 U	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Tert Butyl Ether	µg/L	n/v	0.5 U	5.4 U	-	-	0.5 U	-	-	2.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5*[B]	0.5 U	5.0 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

See last page for notes.

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			BS-1	BS-2			BS-3			BS-4			B/MW-5		B/MW-6		B/MW-7		B/MW-8		B/MW-9	
Sample Date			10-Dec-09	10-Dec-09	5-Jan-11	21-Apr-11	11-Dec-09	5-Jan-11	21-Apr-11	11-Dec-09	4-Jan-11	21-Apr-11	5-Jan-11	20-Apr-11	6-Jan-11	21-Apr-11	5-Jan-11	20-Apr-11	7-Jan-11	20-Apr-11	5-Jan-11	5-Jan-11
Sample ID			BS-GW-1	BS-GW-2	BA-BS2-W	BA-BS2-R2-W	BS-GW-3	BA-BS3-W	BA-BS3-R2-W	BS-GW-4	BA-BS4-W	BA-BS4-R2-W	BA-MW5-W	BA-MW5-R2-W	BA-MW6-W	BA-MW6-R2-W	BA-MW7-W	BA-MW7-R2-W	BA-MW8-W	BA-MW8-R2-W	BA-MW9-W	BA-MW9-W/D
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	TALAM	TALAM	SPECTRUM	TALAM	TALAM	SPECTRUM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			SB05469	SB05469	480-548-1	480-4050-1	SB05538	480-548-1	480-4050-1	SB05538	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-548-1	480-548-1
Laboratory Sample ID			SB05469-03	SB05469-04	480-633-6	480-4050-7	SB05538-02	480-633-5	480-4050-8	SB05538-04	480-548-3	480-4050-9	480-633-4	480-4050-4	480-689-5	480-4050-10	480-633-2	480-4050-5	480-689-7	480-4050-2	480-548-5	480-548-6
Sample Type	Units	TOGS																				Field Duplicate
Volatile Organic Compounds (cont'd)																						
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	***0.5 U***	***4.9 U***	***1.0 U***	***1.0 U***	***0.5 U***	***1.0 U***	***1.0 U***	***2.4 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Hexachlorobutadiene	µg/L	0.5[B]	0.5 U	***4.9 U***	-	-	0.5 U	-	-	***2.4 U***	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2-	µg/L	50[A]	2.7 U	26.8 U	5.0 U	5.0 U	2.7 U	5.0 U	5.0 U	13.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Iodomethane	µg/L	5**[B]	-	-	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	1.0 U
Isopropylbenzene	µg/L	5**[B]	0.5 U	***5.2 U***	-	1.0 U	0.5 U	-	1.0 U	2.6 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Methyl Acetate	µg/L	n/v	-	-	-	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	4.1 U	40.8 U	10 U	10 U	4.1 U	10 U	10 U	20.4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	1.1 U	10.9 U	5.0 U	5.0 U	1.1 U	5.0 U	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	0.8 U	8.5 U	-	1.0 U	0.8 U	-	1.0 U	4.2 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Methylcyclohexane	µg/L	n/v	-	-	-	1.0 U	-	-	1.0 U	-	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Methylene Chloride (Dichloromethane)	µg/L	5**[B]	0.6 U	***6.4 U***	1.0 U	1.0 U	0.6 U	1.0 U	1.0 U	3.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	10[B]	1.0 U	9.6 U	-	-	1.0 U	-	-	4.8 U	-	-	-	-	-	-	-	-	-	-	-	-
Phenylbutane, 2- (sec-Butylbenzene)	µg/L	5**[B]	0.5 U	***5.4 U***	-	-	0.5 U	-	-	2.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5**[B]	0.5 U	***5.3 U***	-	-	0.5 U	-	-	2.6 U	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5**[B]	0.9 U	***9.2 U***	1.0 U	1.0 U	0.9 U	1.0 U	1.0 U	4.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tert Amyl Methyl Ether	µg/L	n/v	0.6 U	6.4 U	-	-	0.6 U	-	-	3.2 U	-	-	-	-	-	-	-	-	-	-	-	-
Tert-Butyl Alcohol	µg/L	n/v	9.6 U	96.4 U	-	-	9.6 U	-	-	48.2 U	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	5**[B]	0.5 U	***5.4 U***	1.0 U	-	0.5 U	1.0 U	-	2.7 U	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	1.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5**[B]	0.5 U	4.6 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	2.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethylene (PCE)	µg/L	5**[B]	0.7 U	***7.2 U***	**5.6[B]**	**1.6**	0.7 U	1.0 U	1.0 U	3.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	µg/L	50[A]	2.4 U	24.2 U	-	-	2.4 U	-	-	12.1 U	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/L	5**[B]	0.8 U	***7.6 U***	**1.2**	1.0 U	**1.6**	1.0 U	1.0 U	3.8 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,3-	µg/L	5**[B]	0.6 U	***5.7 U***	-	-	0.6 U	-	-	2.8 U	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5**[B]	0.6 U	***5.9 U***	-	1.0 U	0.6 U	-	1.0 U	3.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	1.0 U	-	-
Trichlorobenzene, 1,3,5-	µg/L	5**[B]	0.5 U	***5.4 U***	-	-	0.5 U	-	-	2.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5**[B]	0.6 U	**80.3[B]**	**4.6**	**4.7**	**1.5**	1.0 U	1.0 U	**12.8[B]**	**22[B]**	**9.7[B]**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.9**	1.0 U	1.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	0.7 U	***7.3 U***	1.0 U	1.0 U	0.7 U	1.0 U	1.0 U	***3.6 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene (TCE)	µg/L	5**[B]	**1.3**	**611[B]**	**12000[B]**	**46[B]**	**8.2[B]**	1.0 U	1.0 U	**2080[B]**	**3600[B]**	**91[B]**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**3.3**	**6.6 J[B]**	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5**[B]	0.7 U	***6.9 U***	1.0 U	1.0 U	0.7 U	1.0 U	1.0 U	3.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloropropane, 1,2,3-	µg/L	0.04[B]	***0.9 U***	***9.3 U***	***1.0 U***	-	***0.9 U***	***1.0 U***	-	***4.6 U***	***1.0 U***	-	***1.0 U***	-	***1.0 U***	-	***1.0 U***	-	***1.0 U***	-	***1.0 U***	***1.0 U***
Trimethylbenzene, 1,2,4-	µg/L	5**[B]	0.4 U	4.5 U	-	-	0.4 U	-	-	2.2 U	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5**[B]	0.5 U	5.0 U	-	-	0.5 U	-	-	2.5 U	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	5.0 U	-	-	5.0 U	-	-	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	-	5.0 U	5.0 U
Vinyl chloride	µg/L	2[B]	0.9 U	***8.6 U***	1.0 U	1.0 U	0.9 U	1.0 U	1.0 U	***4.3 U***	**1.6**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene, m & p-	µg/L	5**[B]	1.0 U	***9.8 U***	-	-	1.0 U	-	-	4.9 U	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	5**[B]	0.5 U	4.9 U	-	-	0.5 U	-	-	2.4 U	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	5**[B]	-	-	2.0 U	2.0 U	-	2.0 U	2.0 U	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOC	µg/L	n/v	**1.3**	**706.3**	**12401.1**	**53.7**	**11.3**	**ND**	**ND**	**2236.4**	**3947**	**104.4**	**ND**	**ND**	**ND**	**1**	**ND**	**ND**	**3.3**	**8.5**	**ND**	**ND**

See last page for notes.

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-10	B/MW-11	B/MW-12	B/MW-13	B/MW-14	B/MW-22		B/MW-23			B/MW-25		B/MW-26	B/MW-27		B/MW-28D	WSW	TP-RB
Sample Date			6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	5-Jan-11	20-Apr-11	7-Jan-11	21-Apr-11	21-Apr-11	4-Jan-11	20-Apr-11	22-Feb-11	22-Feb-11	22-Feb-11	22-Feb-11	7-Dec-10	26-Oct-10
Sample ID			BA-MW10-W	BA-MW11-W	BA-MW12-W	BA-MW13-W*	BA-MW14-W	BA-MW22-W	BA-MW22-R2-W	BA-MW23-W	BA-MW23-R2-W	BA-MW23-R2-W/D	BA-MW25-W	BA-MW25-R2-W	BA-MW26-W	BA-MW27-W	BA-MW27-W/D	BA-MW28D-W	BA-WSW-W	BA-TP-RB-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-4050-1	480-548-1	480-4050-1	480-1891-1	480-1891-1	480-1891-1	480-1891-1	RTL0627	RTJ1956
Laboratory Sample ID			480-689-1	480-633-7	480-689-3	480-689-4	480-689-2	480-633-3	480-4050-3	480-689-6	480-4050-11	480-4050-12	480-548-2	480-4050-6	480-1891-1	480-1891-2	480-1891-4	480-1891-3	RTL0627-01	RTJ1956-13
Sample Type	Units	TOGS										Field Duplicate					Field Duplicate			Material Rinse Blank
Volatile Organic Compounds																				
Acetone	µg/L	50[A]	10 U	10 U	10 U	**46 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	µg/L	5*[B]	5.0 U	5.0 U	5.0 U	***25 U***	5.0 U	5.0 U	-	5.0 U	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-
Benzene	µg/L	1[B]	1.0 U	1.0 U	1.0 U	***5.0 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[A]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform (tribromomethane)	µg/L	50[A]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U J
Bromomethane (Methyl bromide)	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, n-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.0**	1.0 U	1.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorinated Fluorocarbon (Freon 113)	µg/L	5*[B]	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U J	1.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	-	-
Chloroethane (Ethyl Chloride)	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	7[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorotoluene, 2-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorotoluene, 4-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorotoluene, 2-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorotoluene, 4-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/L	n/v	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/L	0.04[B]	***1.0 U***	***1.0 U***	***1.0 U***	***5.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dibromochloromethane	µg/L	50[A]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U J	1.0 U J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane (Methylene Bromide)	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	-	-
Dichlorobenzene, 1,2-	µg/L	3[B]	1.0 U	1.0 U	1.0 U	***5.0 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,3-	µg/L	3[B]	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Dichlorobenzene, 1,4-	µg/L	3[B]	1.0 U	1.0 U	1.0 U	***5.0 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobutene, trans-1,4-	µg/L	n/v	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	-	5.0 U	-	-	5.0 U	-	50 U	50 U	50 U	50 U	-	-
Dichlorodifluoromethane	µg/L	5*[B]	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Dichloroethane, 1,1-	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	**71[B]**	1.0 U	1.0 U	**4.6**	1.0 U	1.0 U	**2.4**	**2.4**	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	***1.0 U***	***1.0 U***	***1.0 U***	***5.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloroethylene, 1,1-	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	**71[B]**	1.0 U	1.0 U	**1.3**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethylene, cis-1,2-	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	**6.0[B]**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.4**	**1.2**	1.0 U	1.0 U	1.0 U
Dichloroethylene, trans-1,2-	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,2-	µg/L	1[B]	1.0 U	1.0 U	1.0 U	***5.0 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,3-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,1-	µg/L	5*[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	***1.0 U***	***1.0 U***	***1.0 U***	***5.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	***1.0 U***	***1.0 U***	***1.0 U***	***5.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Diisopropyl Ether	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Ether	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Tert Butyl Ether	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	5*[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

See last page for notes.

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-10	B/MW-11	B/MW-12	B/MW-13	B/MW-14	B/MW-22		B/MW-23			B/MW-25		B/MW-26	B/MW-27		B/MW-28D	WSW	TP-RB
Sample Date			6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	5-Jan-11	20-Apr-11	7-Jan-11	21-Apr-11	21-Apr-11	4-Jan-11	20-Apr-11	22-Feb-11	22-Feb-11	22-Feb-11	22-Feb-11	7-Dec-10	26-Oct-10
Sample ID			BA-MW10-W	BA-MW11-W	BA-MW12-W	BA-MW13-W*	BA-MW14-W	BA-MW22-W	BA-MW22-R2-W	BA-MW23-W	BA-MW23-R2-W	BA-MW23-R2-W/D	BA-MW25-W	BA-MW25-R2-W	BA-MW26-W	BA-MW27-W	BA-MW27-W/D	BA-MW28D-W	BA-WSW-W	BA-TP-RB-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-4050-1	480-548-1	480-4050-1	480-4050-1	480-548-1	480-4050-1	480-1891-1	480-1891-1	480-1891-1	480-1891-1	RTL0627	RTJ1956
Laboratory Sample ID			480-689-1	480-633-7	480-689-3	480-689-4	480-689-2	480-633-3	480-4050-3	480-689-6	480-4050-11	480-4050-12	480-548-2	480-4050-6	480-1891-1	480-1891-2	480-1891-4	480-1891-3	RTL0627-01	RTJ1956-13
Sample Type	Units	TOGS										Field Duplicate					Field Duplicate			Material Rinse Blank
Volatile Organic Compounds (cont'd)																				
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	***1.0 U***	***1.0 U***	***1.0 U***	***5.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Hexachlorobutadiene	µg/L	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2-	µg/L	50[A]	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Iodomethane	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	-	-
Isopropylbenzene	µg/L	5[B]	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Methyl Acetate	µg/L	n/v	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Methylcyclohexane	µg/L	n/v	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Methylene Chloride (Dichloromethane)	µg/L	5[B]	1.0 U	1.0 U	1.0 U	**3.1 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	10[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenylbutane, 2- (sec-Butylbenzene)	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tert Amyl Methyl Ether	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tert-Butyl Alcohol	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	-	1.0 U	-	-	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethylene (PCE)	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	**1.7**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	µg/L	50[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,3-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5[B]	-	-	-	-	-	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	1.0 U	1.0 U
Trichlorobenzene, 1,3,5-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	**290[B]**	1.0 U	1.0 U	**2.3**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	1.0 U	1.0 U	1.0 U	***5.0 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene (TCE)	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	**2600[B]**	**2.9**	**3.5**	**29[B]**	**12[B]**	1.0 U	**2.8**	**3.0**	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5[B]	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloropropane, 1,2,3-	µg/L	0.04[B]	***1.0 U***	***1.0 U***	***1.0 U***	***5.0 U***	***1.0 U***	***1.0 U***	-	***1.0 U***	-	-	***1.0 U***	-	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	-	-
Trimethylbenzene, 1,2,4-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	-	5.0 U	-	-	5.0 U	-	5.0 U	5.0 U	5.0 U	5.0 U	-	-
Vinyl chloride	µg/L	2[B]	1.0 U	1.0 U	1.0 U	***5.0 U***	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene, m & p-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	5[B]	2.0 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOC	µg/L	n/v	**ND**	**ND**	**ND**	**49.1**	**ND**	**ND**	**ND**	**3039.7**	**2.9**	**3.5**	**37.2**	**12**	**ND**	**6.6**	**6.6**	**1**	**ND**	**ND**

See last page for notes.

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			Trip Blank							
Sample Date			8-Dec-09	11-Dec-09	7-Dec-10	4-Jan-11	5-Jan-11	6-Jan-11	22-Feb-11	20-Apr-11
Sample ID			TRIP BLANK	TRIP BLANK	BA-TB	BA-TB010411-W	BA-TB010511-W	BA-TB010611-W	BA-TB-022211-W	BA-TB-042011-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			SB05470	SB05538	RTL0627	480-548-1	480-548-1	480-548-1	480-1891-1	480-4050-1
Laboratory Sample ID			SB05470-10	SB05538-05	RTL0627-04	480-548-1	480-633-1	480-689-8	480-1891-5	480-4050-1
Sample Type	Units	TOGS	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds										
Acetone	µg/L	50[A]	4.6 U	4.6 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	µg/L	5*[B]	0.5 U	0.5 U	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Benzene	µg/L	1[B]	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromobenzene	µg/L	5*[B]	0.5 U	0.5 U	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[A]	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform (tribromomethane)	µg/L	50[A]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5*[B]	1.2 U	1.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, n-	µg/L	5*[B]	0.8 U	0.8 U	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5*[B]	0.5 U	0.5 U	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[A]	0.9 U	0.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	0.8 U	0.8 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorinated Fluorocarbon (Freon 113)	µg/L	5*[B]	1.0 U	1.0 U	1.0 U J	-	-	-	-	1.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5*[B]	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5*[B]	1.0 U	1.0 U	-	1.0 U	1.0 U	1.0 U	1.0 U	-
Chloroethane (Ethyl Chloride)	µg/L	5*[B]	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	7[B]	0.8 U	0.8 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	5*[B]	**1.2**	**1.6**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorotoluene, 2-	µg/L	5*[B]	0.7 U	0.7 U	-	-	-	-	-	-
Chlorotoluene, 4-	µg/L	5*[B]	0.5 U	0.5 U	-	-	-	-	-	-
Cyclohexane	µg/L	n/v	-	-	1.0 U	-	-	-	-	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5*[B]	0.5 U	0.5 U	-	-	-	-	-	-
Dibromo-3-Chloropropane (DBCP), 1,2-	µg/L	0.04[B]	***1.7 U***	***1.7 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dibromochloromethane	µg/L	50[A]	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromomethane (Methylene Bromide)	µg/L	5*[B]	0.7 U	0.7 U	-	1.0 U	1.0 U	1.0 U	1.0 U	-
Dichlorobenzene, 1,2-	µg/L	3[B]	0.4 U	0.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,3-	µg/L	3[B]	0.5 U	0.5 U	1.0 U	-	-	-	-	1.0 U
Dichlorobenzene, 1,4-	µg/L	3[B]	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobutene, trans-1,4-	µg/L	n/v	2.8 U	2.8 U	-	5.0 U	5.0 U	5.0 U	50 U	-
Dichlorodifluoromethane	µg/L	5*[B]	0.9 U	0.9 U	1.0 U	-	-	-	-	1.0 U
Dichloroethane, 1,1-	µg/L	5*[B]	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	0.6 U	0.6 U	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloroethylene, 1,1-	µg/L	5*[B]	0.7 U	0.7 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethylene, cis-1,2-	µg/L	5*[B]	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethylene, trans-1,2-	µg/L	5*[B]	0.9 U	0.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,2-	µg/L	1[B]	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,3-	µg/L	5*[B]	0.7 U	0.7 U	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5*[B]	0.6 U	0.6 U	-	-	-	-	-	-
Dichloropropene, 1,1-	µg/L	5*[B]	0.8 U	0.8 U	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	0.4 U	0.4 U	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	0.4 U	0.4 U	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Diisopropyl Ether	µg/L	n/v	0.6 U	0.6 U	-	-	-	-	-	-
Dioxane, 1,4-	µg/L	n/v	20.0 U	20.0 U	-	-	-	-	-	-
Ethanol	µg/L	n/v	37.7 U	37.7 U	-	-	-	-	-	-
Ethyl Ether	µg/L	n/v	0.6 U	0.6 U	-	-	-	-	-	-
Ethyl Tert Butyl Ether	µg/L	n/v	0.5 U	0.5 U	-	-	-	-	-	-
Ethylbenzene	µg/L	5*[B]	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			Trip Blank							
Sample Date			8-Dec-09	11-Dec-09	7-Dec-10	4-Jan-11	5-Jan-11	6-Jan-11	22-Feb-11	20-Apr-11
Sample ID			TRIP BLANK	TRIP BLANK	BA-TB	BA-TB010411-W	BA-TB010511-W	BA-TB010611-W	BA-TB-022211-W	BA-TB-042011-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			SB05470	SB05538	RTL0627	480-548-1	480-548-1	480-548-1	480-1891-1	480-4050-1
Laboratory Sample ID			SB05470-10	SB05538-05	RTL0627-04	480-548-1	480-633-1	480-689-8	480-1891-5	480-4050-1
Sample Type	Units	TOGS	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds (cont'd)										
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	***0.5 U***	***0.5 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Hexachlorobutadiene	µg/L	0.5[B]	0.5 U	0.5 U	-	-	-	-	-	-
Hexanone, 2-	µg/L	50[A]	2.7 U	2.7 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Iodomethane	µg/L	5[••,B]	-	-	-	1.0 U	1.0 U	1.0 U	1.0 U	-
Isopropylbenzene	µg/L	5[••,B]	0.5 U	0.5 U	1.0 U	-	-	-	-	1.0 U
Methyl Acetate	µg/L	n/v	-	-	1.0 U	-	-	-	-	1.0 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	4.1 U	4.1 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	1.1 U	1.1 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	0.8 U	0.8 U	1.0 U	-	-	-	-	1.0 U
Methylcyclohexane	µg/L	n/v	-	-	1.0 U	-	-	-	-	1.0 U
Methylene Chloride (Dichloromethane)	µg/L	5[••,B]	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	10[B]	1.0 U	1.0 U	-	-	-	-	-	-
Phenylbutane, 2- (sec-Butylbenzene)	µg/L	5[••,B]	0.5 U	0.5 U	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5[••,B]	0.5 U	0.5 U	-	-	-	-	-	-
Styrene	µg/L	5[••,B]	0.9 U	0.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tert Amyl Methyl Ether	µg/L	n/v	0.6 U	0.6 U	-	-	-	-	-	-
Tert-Butyl Alcohol	µg/L	n/v	9.6 U	9.6 U	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	5[••,B]	0.5 U	0.5 U	-	1.0 U	1.0 U	1.0 U	1.0 U	-
Tetrachloroethane, 1,1,2,2-	µg/L	5[••,B]	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethylene (PCE)	µg/L	5[••,B]	0.7 U	0.7 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	µg/L	50[A]	2.4 U	2.4 U	-	-	-	-	-	-
Toluene	µg/L	5[••,B]	0.8 U	**3.0**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,3-	µg/L	5[••,B]	0.6 U	0.6 U	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5[••,B]	0.6 U	0.6 U	1.0 U	-	-	-	-	1.0 U
Trichlorobenzene, 1,3,5-	µg/L	5[••,B]	0.5 U	0.5 U	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	5[••,B]	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	0.7 U	0.7 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene (TCE)	µg/L	5[••,B]	0.6 U	0.6 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5[••,B]	0.7 U	0.7 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloropropane, 1,2,3-	µg/L	0.04[B]	***0.9 U***	***0.9 U***	-	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	-
Trimethylbenzene, 1,2,4-	µg/L	5[••,B]	0.4 U	0.4 U	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5[••,B]	0.5 U	0.5 U	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Vinyl chloride	µg/L	2[B]	0.9 U	0.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene, m & p-	µg/L	5[••,B]	1.0 U	1.0 U	-	-	-	-	-	-
Xylene, o-	µg/L	5[••,B]	0.5 U	0.5 U	-	-	-	-	-	-
Xylenes, Total	µg/L	5[••,B]	-	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOC	µg/L	n/v	**1.2**	**4.6**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Notes:

TOGS	NYSDEC Technical and Operational Guideline Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guideline Values and Groundwater Effluent Limitations (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
A	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
B	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
••	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
p	Applies to the sum of cis- and trans-1,3-dichloropropene.
E	Compound was over the calibration range.
J	Indicates estimated value.
SPECTRUM	Spectrum Analytical Inc., Agawam, MA
TALAM	Test America Laboratories Inc., Amherst, NY
ND	Not detected
*	Subsequent to receipt of laboratory report and the Data Usability Summary Report, reporting limits for the diluted sample BA-MW13-W were recalculated by the laboratory based on the practical quantitation limit.

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-9		B/MW-10	B/MW-11	B/MW-12	B/MW-13	B/MW-14	B/MW-25	WSW	SS-RB	TP-RB
Sample Date			5-Jan-11	5-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	4-Jan-11	7-Dec-10	25-Oct-10	26-Oct-10
Sample ID			BA-MW9-W	BA-MW9-W/D	BA-MW10-W	BA-MW11-W	BA-MW12-W	BA-MW13-W	BA-MW14-W	BA-MW25-W	BA-WSW-W	BA-SS-RB-W	BA-TP-RB-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	RTL0627	RTJ1956	RTJ1956
Laboratory Sample ID			480-548-5	480-548-6	480-689-1	480-633-7	480-689-3	480-689-4	480-689-2	480-548-2	RTL0627-01	RTJ1956-10	RTJ1956-13
Sample Type	Units	TOGS		Field Duplicate								Material Rinse Blank	Material Rinse Blank
Semi-Volatile Organic Compounds													
Acenaphthene	µg/L	20[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Acenaphthylene	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Acetophenone	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Anthracene	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Atrazine	µg/L	7.5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Benzaldehyde	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Benzo(a)anthracene	µg/L	0.002[A]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Benzo(a)pyrene	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Benzo(b)fluoranthene	µg/L	0.002[A]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Benzo(g,h,i)perylene	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Benzo(k)fluoranthene	µg/L	0.002[A]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Biphenyl, 1,1'- (Biphenyl)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Bis(2-Chloroethoxy)methane	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Bis(2-Chloroethyl)ether	µg/L	1[B]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U J***	4.8 U	5.0 U
Bromophenyl Phenyl Ether, 4-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Butyl Benzyl Phthalate	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Caprolactam	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Carbazole	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Chloro-3-methyl phenol, 4-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Chloroaniline, 4	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Chloronaphthalene, 2-	µg/L	10[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Chlorophenol, 2-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U J	4.8 U	5.0 U
Chlorophenyl Phenyl Ether, 4-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Chrysene	µg/L	0.002[A]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Cresol, o- (Methylphenol, 2-)	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Cresol, p- (Methylphenol, 4-)	µg/L	n/v	10 U	10 U	10 U	10 U J	10 U	10 U	10 U	10 U	11 U	9.5 U	9.9 U
Dibenzo(a,h)anthracene	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Dibenzofuran	µg/L	n/v	10 U	10 U	10 U	10 U J	10 U	10 U	10 U	10 U	5.7 U	4.8 U	5.0 U
Dichlorobenzidine, 3,3'-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Dichlorophenol, 2,4-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Diethyl Phthalate	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Dimethyl Phthalate	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Dimethylphenol, 2,4-	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Di-n-Butyl Phthalate	µg/L	50[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Dinitro-o-cresol, 4,6-	µg/L	n/v	10 U	10 U	10 U	10 U J	10 U	10 U	10 U	10 U	11 U	9.5 U	9.9 U
Dinitrophenol, 2,4-	µg/L	10[A]	10 U	10 U	10 U	10 U J	10 U	10 U	10 U	10 U	***11 U***	9.5 U	9.9 U
Dinitrotoluene, 2,4-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Dinitrotoluene, 2,6-	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Di-n-Octyl phthalate	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Fluoranthene	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Fluorene	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Hexachlorobenzene	µg/L	0.04[B]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Hexachlorobutadiene	µg/L	0.5[B]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Hexachlorocyclopentadiene	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U

See next page for notes.

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-9		B/MW-10	B/MW-11	B/MW-12	B/MW-13	B/MW-14	B/MW-25	WSW	SS-RB	TP-RB
Sample Date			5-Jan-11	5-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	6-Jan-11	4-Jan-11	7-Dec-10	25-Oct-10	26-Oct-10
Sample ID			BA-MW9-W	BA-MW9-W/D	BA-MW10-W	BA-MW11-W	BA-MW12-W	BA-MW13-W	BA-MW14-W	BA-MW25-W	BA-WSW-W	BA-SS-RB-W	BA-TP-RB-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	RTL0627	RTJ1956	RTJ1956
Laboratory Sample ID			480-548-5	480-548-6	480-689-1	480-633-7	480-689-3	480-689-4	480-689-2	480-548-2	RTL0627-01	RTJ1956-10	RTJ1956-13
Sample Type	Units	TOGS		Field Duplicate								Material Rinse Blank	Material Rinse Blank
Semi-Volatile Organic Compounds (cont'd)													
Hexachloroethane	µg/L	5** [B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	***5.7 U***	4.8 U	5.0 U
Indeno(1,2,3-cd)pyrene	µg/L	0.002 [A]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Isophorone	µg/L	50 [A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Methylnaphthalene, 2-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Naphthalene	µg/L	10 [B]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Nitroaniline, 2-	µg/L	5** [B]	***10 U***	***10 U***	***10 U***	***10 U J***	***10 U***	***10 U***	***10 U***	***10 U***	***11 U***	***9.5 U***	***9.9 U***
Nitroaniline, 3-	µg/L	5** [B]	***10 U***	***10 U***	***10 U***	***10 U J***	***10 U***	***10 U***	***10 U***	***10 U***	***11 U***	***9.5 U***	***9.9 U***
Nitroaniline, 4-	µg/L	5** [B]	***10 U***	***10 U***	***10 U***	***10 U J***	***10 U***	***10 U***	***10 U***	***10 U***	***11 U***	***9.5 U***	***9.9 U***
Nitrobenzene	µg/L	0.4 [B]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Nitrophenol, 2-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Nitrophenol, 4-	µg/L	n/v	10 U	10 U	10 U	10 U J	10 U	10 U	10 U	10 U	11 U	9.5 U	9.9 U
N-Nitrosodi-n-Propylamine	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
n-Nitrosodiphenylamine	µg/L	50 [A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Pentachlorophenol	µg/L	1.0 [B]	***10 U***	***10 U***	***10 U***	***10 U J***	***10 U***	***10 U***	***10 U***	***10 U***	***11 U***	***9.5 U***	***9.9 U***
Phenanthrene	µg/L	50 [A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Phenol	µg/L	1.0 [B]	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U J***	***5.0 U***	***5.0 U***	***5.0 U***	***5.0 U***	***5.7 U***	***4.8 U***	***5.0 U***
Pyrene	µg/L	50 [A]	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Trichlorophenol, 2,4,5-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U
Trichlorophenol, 2,4,6-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U J	5.0 U	5.0 U	5.0 U	5.0 U	5.7 U	4.8 U	5.0 U

Notes:

TOGS	NYSDEC Technical and Operational Guideline Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guideline Values and Groundwater Effluent Limitations (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
[A]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
[B]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5 [A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
**	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, NY

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-9		B/MW-11	B/MW-25		WSW	SS-RB		TP-RB	
Sample Date			5-Jan-11	5-Jan-11	6-Jan-11	4-Jan-11	5-Jan-11	7-Dec-10	25-Oct-10	25-Oct-10	26-Oct-10	26-Oct-10
Sample ID			BA-MW9-W	BA-MW9-W/D	BA-MW11-W	BA-MW25-W	BA-MW25-W	BA-WSW-W	BA-SS-RB-W	BA-SS-RB-W	BA-TP-RB-W	BA-TP-RB-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	RTL0627	RTJ1956	RTJ1956	RTJ1956	RTJ1956
Laboratory Sample ID			480-548-5	480-548-6	480-633-7	480-548-2	480-548-4	RTL0627-01	RTJ1956-10	RTJ1956-10RE1	RTJ1956-13	RTJ1956-13RE1
Sample Type	Units	TOGS		Field Duplicate					Material Rinse Blank	Material Rinse Blank	Material Rinse Blank	Material Rinse Blank
Metals												
Aluminum	mg/L	n/v	0.20 U	0.20 U	0.20 U	-	**2.2**	0.200 U	**0.057 J**	-	**0.063 J**	-
Antimony	mg/L	0.003[B]	***0.020 U***	***0.020 U***	***0.020 U***	-	***0.020 U***	***0.0200 U***	***0.0200 U***	-	***0.0200 U***	-
Arsenic	mg/L	0.025[B]	0.010 U	0.010 U	0.010 U	-	0.010 U	**0.188[B]**	0.0100 U	-	0.0100 U	-
Barium	mg/L	1[B]	**0.040**	**0.039**	**0.045**	-	**0.030**	**0.694**	0.0020 U	-	0.0020 U	-
Beryllium	mg/L	0.003[A]	0.0020 U	0.0020 U	0.0020 U	-	0.0020 U	0.0020 U	0.0020 U	-	0.0020 U	-
Cadmium	mg/L	0.005[B]	0.0010 U	0.0010 U	0.0010 U	-	0.0010 U	**0.0008 J**	0.0010 U	-	0.0010 U	-
Calcium	mg/L	n/v	**47.8**	**46.8**	**50.0**	-	**11.8**	**51.8 B**	**0.2 J**	-	**0.4 J**	-
Chromium (Total)	mg/L	0.05[B]	0.0040 U	0.0040 U	0.0040 U	-	0.0040 U	**0.0036 J**	**0.0009 J**	-	0.0040 U	-
Cobalt	mg/L	n/v	0.0040 U	0.0040 U	0.0040 U	-	0.0040 U	**0.0006 J**	0.0040 U	-	0.0040 U	-
Copper	mg/L	0.2[B]	0.010 U	0.010 U	0.010 U	-	0.010 U	**0.0026 J**	0.0100 U	-	0.0100 U	-
Iron	mg/L	0.3[B]	0.050 U	0.050 U	**0.078**	-	**1.5[B]**	**3.99[B]**	0.050 U	-	**0.042 J**	-
Lead	mg/L	0.025[B]	0.0050 U	0.0050 U	0.0050 U	-	0.0050 U	**0.0048 J**	0.0050 U	-	0.0050 U	-
Magnesium	mg/L	35[A]	**8.5**	**8.5**	**12.1**	-	**2.8**	**15.6**	0.200 U	-	**0.095 J**	-
Manganese	mg/L	0.3[B]	**0.0055**	**0.0046**	**2.9[B]**	-	**0.056**	**0.119 B**	**0.0024 J**	-	0.0018 U	-
Mercury	mg/L	0.0007[B]	0.00020 U	0.00020 U	0.00020 U	-	0.00020 U	0.0002 U	0.0002 U	-	0.0002 U	-
Nickel	mg/L	0.1[B]	0.010 U	0.010 U	0.010 U	-	0.010 U	**0.0032 J**	0.0100 U	-	0.0100 U	-
Potassium	mg/L	n/v	**3.0**	**2.9**	**2.7**	-	**5.1**	**1.48**	0.500 U	-	0.500 U	-
Selenium	mg/L	0.01[B]	***0.015 U***	***0.015 U***	***0.015 U***	-	***0.015 U***	***0.0150 U***	***0.0150 U***	-	***0.0150 U***	-
Silver	mg/L	0.05[B]	0.0030 U	0.0030 U	0.0030 U	-	0.0030 U	0.0030 U	0.0030 U	-	0.0030 U	-
Sodium	mg/L	20[B]	**4.7**	**4.6**	**16.5**	-	**2.3**	**129[B]**	1.0 U	-	1.0 U	-
Thallium	mg/L	0.0005[A]	***0.020 U***	***0.020 U***	***0.020 U***	-	***0.020 U***	***0.0200 U***	***0.0200 U***	-	***0.0200 U***	-
Vanadium	mg/L	n/v	0.0050 U	0.0050 U	**0.014**	-	0.0050 U	0.0050 U	0.0050 U	-	0.0050 U	-
Zinc	mg/L	2[A]	0.010 U	0.010 U	0.010 U	-	0.010 U	**0.999**	**0.0020 J**	-	0.0100 U	-
Pesticides												
Aldrin	µg/L	n/v	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
BHC, alpha-	µg/L	0.01[B]	***0.050 U***	***0.050 U***	***0.050 U***	***0.050 U***	-	***0.050 U J***	***0.049 U J***	-	***0.050 U J***	-
BHC, beta-	µg/L	0.04[B]	***0.050 U***	***0.050 U***	***0.050 U***	***0.050 U***	-	***0.050 U J***	***0.049 U J***	-	***0.050 U J***	-
BHC, delta-	µg/L	0.04[B]	***0.050 U***	***0.050 U***	***0.050 U***	***0.050 U***	-	***0.050 U J***	***0.049 U J***	-	***0.050 U J***	-
Camphechlor (Toxaphene)	µg/L	0.06[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U J***	***0.49 U J***	-	***0.50 U J***	-
Chlordane (Total)	µg/L	0.05[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	-	***0.49 U J***	-	***0.50 U J***	-
Chlordane, alpha-	µg/L	n/v	-	-	-	-	-	0.050 U J	0.049 U J	-	0.050 U J	-
Chlordane, gamma-	µg/L	n/v	-	-	-	-	-	0.050 U J	0.049 U J	-	0.050 U J	-
DDD (p,p'-DDD)	µg/L	0.3[B]	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
DDE (p,p'-DDE)	µg/L	0.2[B]	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
DDT (p,p'-DDT)	µg/L	0.2[B]	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
Dieldrin	µg/L	0.004[B]	***0.050 U***	***0.050 U***	***0.050 U***	***0.050 U***	-	***0.050 U J***	***0.049 U J***	-	***0.050 U J***	-
Endosulfan I	µg/L	n/v	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
Endosulfan II	µg/L	n/v	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
Endosulfan Sulfate	µg/L	n/v	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
Endrin	µg/L	n/v	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
Endrin Aldehyde	µg/L	5[B]	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
Endrin Ketone	µg/L	5[B]	-	-	-	-	-	0.050 U J	0.049 U J	-	0.050 U J	-
Heptachlor	µg/L	0.04[AB]	***0.050 U***	***0.050 U***	***0.050 U***	***0.050 U***	-	***0.050 U J***	***0.049 U J***	-	***0.050 U J***	-
Heptachlor Epoxide	µg/L	0.03[B]	***0.050 U***	***0.050 U***	***0.050 U***	***0.050 U***	-	***0.050 U J***	***0.049 U J***	-	***0.050 U J***	-
Lindane (Hexachlorocyclohexane, gamma)	µg/L	0.05[B]	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-
Methoxychlor (4,4'-Methoxychlor)	µg/L	35[B]	0.050 U	0.050 U	0.050 U	0.050 U	-	0.050 U J	0.049 U J	-	0.050 U J	-

See next page for notes.

Table 7
Summary of Analytical Results in Groundwater
Phase II (2009) and Remediation Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			B/MW-9		B/MW-11	B/MW-25		WSW	SS-RB		TP-RB	
Sample Date			5-Jan-11	5-Jan-11	6-Jan-11	4-Jan-11	5-Jan-11	7-Dec-10	25-Oct-10	25-Oct-10	26-Oct-10	26-Oct-10
Sample ID			BA-MW9-W	BA-MW9-W/D	BA-MW11-W	BA-MW25-W	BA-MW25-W	BA-WSW-W	BA-SS-RB-W	BA-SS-RB-W	BA-TP-RB-W	BA-TP-RB-W
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			480-548-1	480-548-1	480-548-1	480-548-1	480-548-1	RTL0627	RTJ1956	RTJ1956	RTJ1956	RTJ1956
Laboratory Sample ID			480-548-5	480-548-6	480-633-7	480-548-2	480-548-4	RTL0627-01	RTJ1956-10	RTJ1956-10RE1	RTJ1956-13	RTJ1956-13RE1
Sample Type	Units	TOGS		Field Duplicate					Material Rinse Blank	Material Rinse Blank	Material Rinse Blank	Material Rinse Blank
Polychlorinated Biphenyls												
Aroclor 1016	µg/L	0.09[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U J***	***0.49 U***	***0.48 U J***	***0.50 U***	***0.50 U J***
Aroclor 1221	µg/L	0.09[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U***	***0.49 U***	***0.48 U J***	***0.50 U***	***0.50 U J***
Aroclor 1232	µg/L	0.09[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U***	***0.49 U***	***0.48 U J***	***0.50 U***	***0.50 U J***
Aroclor 1242	µg/L	0.09[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U***	***0.49 U***	***0.48 U J***	***0.50 U***	***0.50 U J***
Aroclor 1248	µg/L	0.09[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U***	***0.49 U***	***0.48 U J***	***0.50 U***	***0.50 U J***
Aroclor 1254	µg/L	0.09[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U***	***0.49 U***	***0.48 U J***	***0.50 U***	***0.50 U J***
Aroclor 1260	µg/L	0.09[B]	***0.50 U***	***0.50 U***	***0.50 U***	***0.50 U***	-	***0.50 U***	***0.49 U***	***0.48 U J***	***0.50 U***	***0.50 U J***
Aroclor 1262	µg/L	n/v	-	-	-	-	-	0.50 U	0.49 U	0.48 U J	0.50 U	0.50 U J
Aroclor 1268	µg/L	n/v	-	-	-	-	-	0.50 U	0.49 U	0.48 U J	0.50 U	0.50 U J

Notes:

TOGS NYSDEC Technical and Operational Guideline Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guideline Values and Groundwater Effluent Limitations (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)

[A] TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance

[B] TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards

6.5[A] Concentration exceeds the indicated standard.

15.2 Concentration was detected but did not exceed applicable standards.

0.50 U Laboratory estimated quantitation limit exceeded standard.

0.03 U The analyte was not detected above the laboratory estimated quantitation limit.

n/v No standard/guideline value.

- Parameter not analyzed / not available.

* The standard for Iron and Manganese is 500 ug/L, which applies to the sum of these substances. As individual standards, the standard is 300 ug/L.

** The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.

B Indicates analyte was found in associated blank, as well as in the sample.

J Indicates estimated value.

TALAM Test America Laboratories Inc., Amherst, NY

Table 8
Summary of Detected Analytical Results in Subsurface Soil from Laboratory Area Boring Locations
Phase II (2009) and Remedial Investigation (2010-2011)
Former Allegany Bitumens Belmont Asphalt Plant
Amity, New York

Sample Location			BS-2	BS-4	B-16	B/MW-23	B-24	
Sample Date			10-Dec-09	11-Dec-09	3-Dec-10	6-Dec-10	6-Dec-10	6-Dec-10
Sample ID			BS-S-2	BS-S-4	BA-B16-S	BA-B23-S	BA-B24-S2	BA-B24-S3
Sample Depth			7 - 8 ft	8 - 10 ft	10.8 - 11.2 ft	8 - 8.5 ft	6 - 6.6 ft	10 - 10.7 ft
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	TALAM	TALAM	TALAM	TALAM
Laboratory Work Order			SB05469	SB05538	RTK1728	RTK1728	RTK1728	RTK1728
Laboratory Sample ID			SB05469-02	SB05538-03	RTL0522-04	RTL0630-05	RTL0630-03	RTL0630-04
Sample Type	Units	CIALs						
General Chemistry								
Total Solids	%		**83.9**	**79.2**	**81**	**78**	**80**	**80**
Volatile Organic Compounds								
Carbon Disulfide	µg/kg	7800000[A]	728 U	146 U	**3.6 J**	6.4 U J	6.2 U	**3.5 J**
Dichloroethane, 1,1-	µg/kg	7800000[A]	260 U	52.1 U	**770 JD**	**67 J**	**110**	**2.5 J**
Dichloroethylene, 1,1-	µg/kg	1100[A]	***334 U***	**194**	**84**	**42**	**22**	**5.3 J**
Dichloroethylene, cis-1,2-	µg/kg	780000[A]	***299 U***	59.9 U	**13**	**3.6 J**	**2.1 J**	**1.4 J**
Dichloroethylene, trans-1,2-	µg/kg	1600000[A]	***330 U***	66.2 U	**2.6 J**	6.4 U	6.2 U	6.1 U
Methylene Chloride (Dichloromethane)	µg/kg	85000[A]	***1740 U***	***349 U***	**34**	**5.7 J**	**8.2**	**4.8 J**
Naphthalene	µg/kg	310000[A]	288 U	**60.6 J**	-	-	-	-
Tetrachloroethylene (PCE)	µg/kg	12000[A]	306 U	61.3 U	**1.5 J**	6.4 U	**12**	**89 J**
Trichloroethane, 1,1,1-	µg/kg	7000000[A]	327 U	65.5 U	**130**	**12**	**4000 D**	**400**
Trichloroethylene (TCE)	µg/kg	58000[A]	**37500**	**16800**	**25000 D**	**10000**	**35000 D**	**5100**
Vinyl chloride	µg/kg	340[A]	***281 U***	***56.3 U***	**1.4 J**	6.4 U	6.2 U	6.1 U
Total VOC	µg/kg	n/v[A]	**37500**	**17054.6**	**26040.1**	**10130.3**	**39154.3**	**5606.5**

See last page for notes.

Notes:

CIALs	NYSDEC Contained-In Soil/Sediment Action Levels (August 4, 1997)
[A]	NYSDEC Contained-In Soil/Sediment Action Levels (August 4, 1997)
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standard.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
*	Indicates analysis is not within the quality control limits.
D	Reported result taken from diluted sample analysis.
J	Indicates estimated value.
TALAM	Test America Laboratories Inc., Amherst, New York
ft	feet

Table 9
Water Level Summary
Former Allegany Bitumens Belmont Asphalt Plant Remedial Investigation
5392 State Route 19
Amity, NY

Well ID	Ground Elevation (ft AMSL)	TOIC Elevation (ft AMSL)	Well Type	January 4, 2011		February 22, 2011		April 20, 2011	
				Water Level (ft BTOIC)	Water Elevation (ft AMSL)	Water Level (ft BTOIC)	Water Elevation (ft AMSL)	Water Level (ft BTOIC)	Water Elevation (ft AMSL)
BS-2	1375.39	1378.06	Shallow	11.28	1366.78	11.49	1366.57	8.08	1369.98
BS-3	1376.00	1379.24	Shallow	10.43	1368.81	11	1368.24	9.505	1369.735
BS-4	1375.28	1378.31	Shallow	11.27	1367.04	11.18	1367.13	8.35	1369.96
MW-5	1367.57	1370.24	Shallow	4.09	1366.15	4.73	1365.51	3.18	1367.06
MW-6	1372.72	1375.40	Shallow	9.93	1365.47	10.29	1365.11	8.61	1366.79
MW-7	1375.64	1378.68	Shallow	12.79	1365.89	13.36	1365.32	9.04	1369.64
MW-8	1365.91	1368.70	Shallow	3.18	1365.52	Frozen at 3.80	Frozen at 1364.90	2.55	1366.15
MW-9	1368.80	1371.68	Shallow	7.68	1364.00	8.09	1363.59	6.40	1365.28
MW-10	1370.90	1373.76	Shallow	7.48	1366.28	7.13	1366.63	6.64	1367.12
MW-11	1369.87	1372.39	Shallow	6.09	1366.30	6.76	1365.63	5.29	1367.1
MW-12	1378.46	1381.50	Shallow	12.24	1369.26	12.63	1368.87	11.32	1370.18
MW-13	1371.24	1374.00	Shallow	17.54	1356.46	17.84	1356.16	15.87	1358.13
MW-14	1363.62	1366.54	Shallow	13.64	1352.90	14.32	1352.22	12.26	1354.28
MW-22	1365.66	1368.32	Shallow	3.48	1364.84	4.02	1364.3	2.96	1365.36
MW-23	1374.46	1377.59	Shallow	10.34	1367.25	8.82	1368.77	7.58	1370.01
MW-25	1376.07	1378.52	Shallow	11.69	1366.83	11.26	1367.26	8.88	1369.64
MW-26	1373.07	1375.79	Shallow	NM	NM	7.61	1368.18	6.18	1369.61
MW-27	1372.76	1375.28	Shallow	NM	NM	7.41	1367.87	5.85	1369.43
MW-28D	1374.40	1377.17	Deep	NM	NM	18.93	1358.24	16.90	1360.27
WSW	1370.79	1371.01	Deep	NM	NM	12.15	1358.86	10.85	1360.16

Notes:

DTW	Depth to water
ft AMSL	Feet above mean sea level (NAVD 88)
ft BTOIC	Feet below top of inner casing
NM	Not measured
TOIC	Top of inner casing

Appendix A

Test Pit Logs

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-1	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 60s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/26/10	Start/Stop Time:	11:05/12:45	Agency Rep:	W. Murray (DEC)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☐ No Ground Water Encountered.
☒ Ground Water Encountered At ~7 Ft.

_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-1.4	Asphalt.				
1.4-2.5	Coarse grained gravel with some silt (apparently basal material of asphalt).	1.7	1.7	0.4	Sample 1.4-1.8 ft BGS (BA-TP1-S), which is apparently the gravel base material for the asphalt.
2.5-4	Brown clayey silt with some coarse grained gravel, possibly native, moist.	0.8	0.8	0.5	Sample 2.5-3 ft BGS (BA-TP1-S2), which is the possible top of native.
4-6	Yellowish brown clayey silt with little coarse grained gravel, native, moist-wet.	0.8	0.8	0.5	
6-7	Brown to yellowish brown fine grained sand, trace coarse grained gravel, moist-wet.	0.9	0.9	0.6	
	Wet at ~7 ft BGS.				
	Bottom of excavation at top of water.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-2	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Clouds, 70s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/ 26/10	Start/Stop Time:	13:01/13:59	Agency Rep:	W. Murray (DEC)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☐ No Ground Water Encountered.
☒ Ground Water Encountered At 10 Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-5	Brown fine grained sand, trace coarse grained gravel, dry-moist.	0.7	0.7	0.6	
5-7	Brown coarse grained gravel, dry-moist.	0.7	0.7	0.6	
7-10	Brown fine grained sand and coarse grained gravel, moist.	0.6	0.6	0.6	Sample 9.5-10 ft BGS (BA-TP2-S) at deepest reach of excavator.
	Wet at 10 ft BGS.				
	Bottom of excavation at top of water.				
	Test pit excavated in aggregate stockpile area, test pit did not appear to reach through aggregate material into native material.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-3	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Overcast, 70s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/26 /10	Start/Stop Time:	14:10/15:10	Agency Rep:	W. Murray (DEC)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-1	Brown fine grained sand.	0.6	0.6	0.6	
1-6	Brown very coarse grained gravel and small cobbles, angular.	0.6	0.6	0.6	
6-8	Brown to yellowish brown silty clay and very coarse grained gravel to small cobbles, native, moist.	0.6	0.6	0.6	Sample 6-7 ft BGS (BA-SS3-S) as this is apparently the top of native.
8-10	Brown clayey silt and coarse to very coarse grained gravel, moist.	0.6	0.6	0.6	Sample 10-10.5 ft BGS (BA-TP3-S). Unable to target non-native fill because of coarse grain size, so sample deepest reach.
	Bottom of excavation at deepest reach of excavator.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-4	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 70s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/26/10	Start/Stop Time:	15:25/16:30	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-5	Brown silt with some coarse grained gravel, asphalt pieces at 2 ft BGS.	0.6	0.6	0.6	
2	Asphalt pieces at 2 ft BGS.	1.1	1.1	0.6	
5-6	Brown fine to medium grained sand, dry.	0.6	0.6	0.6	
6-8	Brown fine to medium grained sand and coarse grained gravel, moist.	0.6	0.6	0.6	
8-9.5	Brown silt, moist-wet.	0.7	0.7	0.6	Sample 9-9.5 ft BGS (BA-TP4-S). Did not sample shallow fill as this material was sampled as a surface soil sample. Sampled at deepest reach of excavator.
	Bottom of excavation at deepest reach of excavator.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-5	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 50s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/27/10	Start/Stop Time:	08:18/09:13	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☐ No Ground Water Encountered.
☒ Ground Water Encountered At 4 Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-0.4	Asphalt.				
0.4-1	Gravel (asphalt subbase).				
1-1.4	Brown coarse grained gravel and silt.	0	0	0	
1.4-2.5	Brown silty clay, few coarse grained gravel, moist.	0	0	0	Sample 1.4-1.6 ft BGS (BA-SS5-S) as apparent top of native.
2.5-3.5	Brown silt and fine to coarse grained gravel, moist.	0	0	0	
3.5-4	Brown coarse grained gravel/small cobbles, few silt, moist-wet.	0	0	0	Sample 3.5-4 ft BGS (BA-TP5-S) as deepest interval.
	Wet at 4'.				
	Bottom of excavation at top of water.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-6	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 60-70s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/27/10	Start/Stop Time:	14:00/14:55	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☐ No Ground Water Encountered.
☒ Ground Water Encountered At 3 Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
10-6 ft AGS	Brown silt, some medium to coarse gravel, dry-moist.	0	0	0	Ground surface assumed to be at the base of the berm. Measurements taken above ground surface (AGS) and below ground surface (BGS).
6-0 ft AGS	Yellowish brown silt and coarse grained gravel.	0	0	0	No analytical sample collected at this location as no impacts were noted.
0-3 ft BGS	Brown fine to coarse grained gravel, some coarse to medium sand, moist.	0	0	0	
	Wet at 3 ft BGs and sidewalls caving in significantly.	0	0	0	
	Bottom of excavation at top of water.	0	0	0	

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-7	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 60s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/ 27/10	Start/Stop Time:	12:20/13:40	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☐ No Ground Water Encountered.
☒ Ground Water Encountered At 2.5 Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
7.5-6 ft AGS	Berm is 7.5 ft high (that is, ft AGS). The peak of the berm (top 1.5 feet of the berm) was topsoil. Topsoil also formed a thin discontinuous layer up to 2 inches thick along slopes of berm.				Ground surface assumed to be at the base of the berm. Measurements taken above ground surface (AGS) and below ground surface (BGS).
6-0 ft AGS	Hard asphalt.	0	0	0	
0-0.5 ft BGS	Gray silt and fine to coarse grained gravel, slight odor.	0	0	0	
0.5-2.5 ft BGS	Brown clayey silt and coarse grained gravel, slight odor, moist-wet.	0	0	0	Sample 0.5-2.5 ft BGS (BA-TP7-S) of apparently impacted soils.
2.5-3 ft BGS	Gray coarse grained gravel to small cobbles, some fine grained gravel and silt, wet.	0	0	0	Sample 2.5-3 ft BGS (BA-TP7-S2) apparently below impacts.
	Bottom of excavation at top of water.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-8	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 50s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/27/10	Start/Stop Time:	09:30/12:00	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-2	Brown loose fine grained sand/silt, dry-moist.				
2-4	Remnants of a fire and other debris, including glass, asphalt pieces, pieces of Styrofoam, steel cable, burned beer cans, and ash intermixed with soils.	0	0	0	Sample and duplicate sample at 2-4 ft BGS (BA-TP8-S and BA-TP8-S/D) of apparently impacted materials.
4-4.5	Coarse grained gravel covered in black non-solidified asphalt (similar to cold patch asphalt), flexible steel pipe (possibly a vehicle exhaust pipe).	0	0	0	
4.5-5	Brown silt through coarse grained gravel, moist.	0	0	0	Sample 4.5-5 ft BGS (BA-TP8-S2) of materials directly under asphalt materials.
5-6	Brown clayey silt, compact, dry-moist.	0	0	0	Sample 5-5.5ft BGs (BA-TP8-S3) of apparently native non-impacted soils.
6-7.5	Silt and medium grained gravel, looser than materials directly above, dry-moist.	0	0	0	
7.5-8	Gray silt with some medium to coarse grained gravel (till), moist-dry.	0	0	0	
8-	Brown silt, little medium to coarse grained gravel, loose, dry.	0	0	0	
	Bottom of excavation in native materials.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-9	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 70s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/27/10	Start/Stop Time:	15:05/16:00	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
10-0 ft AGS	Brown fine to coarse grained sand and fine grained gravel. Occasional pockets of fine to medium grained gravel. Berm appears to be aggregate stockpile.	0	0	0	Ground surface assumed to be at the base of the berm. Measurements taken above ground surface (AGS) and below ground surface (BGS).
0-3 ft BGS	Brown fine to coarse grained sand and fine grained gravel with occasional asphalt pieces (less than 1-inch) and black powder.	0	0	0	Sample 0-3 ft BGS (BA-TP9-S) at deepest interval reached.
	Bottom of excavation at 3 ft BGS. Unable to excavate deeper due to caving of berm.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-10	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Sun, 70s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/27/10	Start/Stop Time:	16:00/16:50	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-4.5	Brown medium to coarse grained sand and fine grained gravel, dry-moist. At ~1.5-2.5 ft BGS on north sidewall, hard asphalt.	0	0	0	
4.5-6.5	Brown coarse grained sand and medium to coarse grained gravel, some pieces of asphalt with diameters ranging from 0.5 inches up to 1.5 ft x 1 ft x 0.5 ft.	0	0	0	
6.5	Hard surface, possibly asphalt, unable to excavate deeper.				Sample 6-6.5 ft BGS (BA-TP10-S) at deepest interval reached.

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-11	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Mostly cloudy, windy, 50s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/28/10	Start/Stop Time:	10:17/11:19	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
5-0 ft AGS	Brown medium to coarse grained sand and fine grained gravel, dry. Some topsoil on eastern top side of berm.	0.3	0.1	0.1	Ground surface assumed to be at the base of the berm. Measurements taken above ground surface (AGS) and below ground surface (BGS).
0-5.5 ft BGS	As above with chunks of asphalt (up to 1' x 1' x 0.5') intermixed. At 5-5.5 ft BGS, some black powdery material intermixed with soils.	0.5	0.5	0.3	Sample 4-5 ft BGS (BA-TP11-S) of asphalt impacted materials.
5.5-6.5 ft BGS	Brown fine to coarse grained sand and fine to very coarse gravel, appear to be out of asphalt impacts, dry.	0.5	0.5	0.5	Sample 5-5.5 ft BGS (BW-TP11-S2) below apparent asphalt impacted materials.
	Unable to go deeper than 6.5 ft BGS.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-12	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Overcast, windy, 50s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/28/10	Start/Stop Time:	13:26/14:15	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
5 ft AGS-2 ft BGS	Brown fine to medium grained gravel with some fine to medium grained gravel, asphalt chunks.	0.5	0.5	0.5	Ground surface assumed to be at the base of the berm. Measurements taken above ground surface (AGS) and below ground surface (BGS).
2-4ft BGS	Brown fine grained gravel with some silt and medium grained gravel, odor of asphalt, less asphalt than above.	0.5	0.5	0.5	
4-6 ft BGS	Brown silt and fine grained gravel, debris (shoe, plastic shopping bag, sour cream container), smaller asphalt chunks and less of them than above.	0.5	0.5	0.5	Sample 4-5 ft BGS (BA-TP12-S) from interval with debris.
	Unable to excavate deeper than 6 ft BGS due to a combination of cave-in and hard asphalt layers.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-13	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Overcast, some rain, 40s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/29/10	Start/Stop Time:	08:30/09:30	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-0.6	Asphalt.				
0.6-1.6	Brown to yellowish brown fine grained sand/silt, dry-moist.	0.6	0.7	0.1	
1.6-4	Gray silty clay, moist.	0.6	0.6	0.1	Sample 2-2.5 ft BGS (BA-TP13-S) from native soil.
	Test pit excavated into native materials.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-14	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Overcast, some rain, 40s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/29/10	Start/Stop Time:	09:40/11:20	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-0.5	Asphalt paving on west end of test pit and potential spillage from asphalt tanks on east end of test pit.				
0.5-3	Brown coarse gravel and cobbles with some silt at west end of test pit. Brown coarse gravel/cobbles with oily looking solid chunks of asphalt at east end of test pit, odor.				Sample 3 ft BGS (BA-TP14-S and BA-TP14-S/D) from interval with high PID reading.
3-6	Gray silty clay, moist.				Sample 6 ft BGS (BA-TP14-S2) from native soils beneath elevated PID reading interval.
	Unable to excavate deeper due to space constraints (asphalt tanks to east and another structure to northwest).				
	PID READINGS				
2		64	64	0.1	
3		804	804	0.1	
5		6	6	0.1	
6		2	2	0.1	

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-15	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Overcast, 50s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/29/10	Start/Stop Time:	11:30/11:59	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-4	Brown fine to coarse grained gravel and medium to coarse grained sand, asphalt chunks on eastern end of test pit, moist.	0.4	0.4	0.4	
4-4.5	Brown coarse gravel and cobbles little coarse sand and fine grained gravel, moist.	0.4	0.4	0.4	Sample 4-4.5 ft BGS (BA-TP15-S) from deepest interval excavated.
	Test pit excavated until apparently non-impacted materials reached.				
	Test pit located along south edge of equipment and extending 6 feet to east. Excavated to 2 ft BGS directly south of equipment and unable to go deeper due to encountering underground piping. Therefore excavate deeper to the southeast of equipment.				
	Cannot dig direct west of equipment because concrete pad extends 3 ft beyond equipment. There do not appear to be impacts that far away from equipment.				
	Cannot dig directly to east of eqpt because of overhead obstructions.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-16	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Partly cloudy, 50s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/29/10	Start/Stop Time:	12:20/13:30	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS*)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-1	Asphalt – possibly paving to former gate in fence at north end of test pit.	0.5	0.5	0.5	No analytical sample collected.
1-3.5	Brown silt, moist.	0.5	0.5	0.5	
3.5-6	Brown sand and gravel, moist-dry	0.5	0.5	0.5	
6-8	Yellowish brown silt, moist-dry.	0.4	0.4	0.4	
8-9	Gray silty clay, moist.	0.4	0.4	0.4	
	Test pit excavated into native soils.				
	*Depths at north end of test pit.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-17	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Overcast, 40s-50s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/29/10	Start/Stop Time:	13:50/15:15	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS*)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-5	Brown fine to medium grained sand, little fine grained gravel, trace coarse grained gravel, asphalt.	0.7	0.7	0.4	
5-6	Brown fine grained gravel and coarse grained sand, little coarse grained gravel, asphalt chunks, debris (plastic bags, metal, bricks, electrical panel) (at west end, metal objects found as shallow as 3.5 ft BGS).	0.6	0.6	0.4	Sample 3.5-4 ft BGS (BA-TP17-S) from west end of test pit near metal objects. Electrical panel was wrapped in plastic and left on the surface for future disposal.
6	Asphalt layer, very tarry and hard.	0.5	0.5	0.5	
	Unable to excavate deeper due to hard asphalt layer.				
	*Depths measured at east end of test pit.				

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TEST PIT / TEST TRENCH SEGMENT LOG

Test Hole No:	TP-18	Inspected By:	S. Reynolds-Smith	Weather/Temp:	Mostly cloudy, 40s °F
Equipment Used:	Kubota KX121-3 excavator	Contractor:	TREC Environmental, Inc.	Operator:	S. Stockmaster
Date:	10/29/10	Start/Stop Time:	15:25/16:00	Agency Rep:	W. Murray (DEC) (Not present)

Comments:

☒ No Rock Encountered.
☐ Rock Encountered At ___ Ft.
☒ No Ground Water Encountered.
☐ Ground Water Encountered At ___ Ft.
_____ Fill % _____ MSW %
_____ C&D% _____ Native %(USCS)

LOCATION SKETCH:

See Figure

DEPTH		PID READINGS			
(ft. BGS)	CLASSIFICATION	Max	Sust	Bkgd	NOTES/SAMPLES
0-4	Brown coarse grained sand/fine grained gravel with chunks and large slabs of asphalt (up to 3' x 2' x 1.5').	0.5	0.5	0.5	
4-10	Brown fine to coarse grained sand and fine grained gravel, much less asphalt than above, debris (plastic bags, paper towels, cloths, wire, metal pipe, Gatorade bottle, three tires, etc).	0.5 1.1 0.5	0.5 1.1 0.5	0.5 0.5 0.5	Sample 9.5-10 ft BGS (BA-TP18-S) from deepest interval reached.
	Bottom of excavation at deepest reach of excavator.				

Appendix B

Monitoring Well and Boring Logs

Monitoring Well: B/MW-5

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	02-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,367.57 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,370.24 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292546.29
Contractor:	Nothnagle Drilling	**Northing:**	814116.9

SUBSURFACE PROFILE			SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram	Description
			Ground Surface	1367.57 0.00						
			TOPSOIL dark brown, silty with trace clay, cobble in macrocore shoe, moist	1366.97 0.60						
			No Recovery		1	MC	7.2" 15%	0		Concrete seal with Stick up casing
	2									Bentonite Seal
1										Sand Pack (#00N size)
	4			1363.57 4.00						
			coarse GRAVEL/ COBBLES brown, few fine sand, wet	1363.07 4.50						
			No Recovery		2	MC	6" 13%	0		
	6									
2										
	8			1359.57 8.00						PVC Screen (0.010 slot)
			SILTY CLAY gray, wet	1358.17 9.40						
			CLAYEY SILT gray, wet	1357.27 10.30	3	MC	27" 56%	0		
3	10		No Recovery							
				1355.57 12.00						
	12		SILTY CLAY gray, wet					0		
4					4	MC	48" 100%	0		
	14									
	16		End of Borehole	1351.57 16.00						
5										
	18									
6										
	20									

Sand Pack Interval: 2.50 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.50 - 2.50 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

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Monitoring Well: B/MW-6

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	01-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,372.72 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,375.40 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292746.16
Contractor:	Nothnagle Drilling	**Northing:**	814075.47

SUBSURFACE PROFILE			SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram / Description
			Ground Surface	1372.72 0.00					
			SILT AND medium GRAVEL brown to dark brown, wet						
			GRAVEL yellowish brown, some silt, dry to moist	1372.32 0.40					
	2		SILT yellowish brown grading to brown, few clay, moist to dry and becoming wet at 2.4'	1371.62 1.10	1	MC	32" 67%	0	
1			No Recovery	1369.92 2.80					
	4		SILTY CLAY gray, wet	1368.72 4.00	2	MC	33" 69%	0	
	6		CLAYEY SILT gray, wet	1367.12 5.60				0	
2									
	8				3	MC	38" 79%	0	
3	10								
	12							0	
4					4	MC	38" 79%	0	
	14								
	16		End of Borehole	1356.72 16.00					
5									
	18								
6									
	20								

Concrete seal with Stick up casing
Bentonite Seal
Sand Pack (#00N size)
PVC Screen (0.010 slot)

Sand Pack Interval: 2.50 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.50 - 2.50 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-7

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	02-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,375.64 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,378.68 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292676.22
Contractor:	Nothnagle Drilling	**Northing:**	814165.19

SUBSURFACE PROFILE			SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram / Description
			Ground Surface	1375.64 0.00					
			TOPSOIL dark brown, dry to moist	1375.24 0.40					
			COBBLES gray, small, dry	1374.94 0.70					
			SILT AND coarse GRAVEL / small COBBLES brown, dry and becoming moist at 1.8'	1373.74 1.90	1	MC	21" 44%	0	Concrete seal with Stick up casing
			No Recovery						Bentonite Seal
1	2								
									Sand Pack (#00N size)
	4			1371.64 4.00					
			SILT AND coarse GRAVEL / small COBBLES brown, moist to wet	1371.44 4.20					
			SILTY CLAY brown, dry to moist	1370.94 4.70					
			SILT brown, few clay, wet	1370.54 5.10	2	MC	13" 27%	0	
			No Recovery						
2	6								
	8			1367.64 8.00					
			CLAYEY SILT gray, wet		3	MC	26" 54%	0	PVC Screen (0.010 slot)
3	10								
	12								
4					4	MC	31" 65%	0	
	14								
	16		End of Borehole	1359.64 16.00					
5									
	18								
6									
	20								

Sand Pack Interval: 3.00 - 14.00 ft BGS
Screen Interval: 4.00 - 14.00 ft BGS
Well Seal Interval: 1.50 - 3.00 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-8

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	01-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,365.91 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,368.70 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292620.66
Contractor:	Nothnagle Drilling	**Northing:**	814148.74

SUBSURFACE PROFILE			SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram	Description
			Ground Surface							
			CLAYEY SILT gray, wet	1365.91 0.00						
	2				1	MC	15" 31%	0		Concrete seal with Stick up casing
1	4									Bentonite Seal
	6				2	MC	29" 60%	0		Sand Pack (#00N size)
2	8									PVC Screen (0.010 slot)
	10				3	MC	36" 75%	0		
3	12			1353.91						
			NO RECOVERY	12.00						
4	14				4	MC	0" 0%			
	16			1349.91						
5			End of Borehole	16.00						
	18									
6	20									

Sand Pack Interval: 2.50 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.40 - 2.50 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-9

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	30-Nov-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,368.80 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,371.68 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292901.29
Contractor:	Nothnagle Drilling	**Northing:**	813988.81

SUBSURFACE PROFILE				SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram	Description
			Ground Surface	1368.80 0.00						
			SILT AND GRAVEL (FILL) brown, dry	1368.40 0.40						
			SILT yellowish brown, few medium gravel, dry	1367.50 1.30						
	2		SILTY CLAY yellowish brown, dry to moist	1366.80 2.00	1	MC	36" 75%	0 0		Concrete seal with Stick up casing
1			fine SAND AND coarse GRAVEL yellowish brown, dry to moist							Bentonite Seal
	4			1364.80 4.00						Sand Pack (#00N size)
			GRAVEL yellowish brown, medium to coarse, little silt and fine to medium sand, wet	1363.50 5.30				0		
	6		No Recovery		2	MC	15" 31%	0		
2				1360.80 8.00						PVC Screen (0.010 slot)
	8		CLAYEY SILT gray, wet					0		
3	10				3	MC	43" 90%			
	12							0		
4				1355.30 13.50				0		
	14		SILTY CLAY gray, wet		4	MC	41" 85%			
	16			1352.80 16.00				0		
5			End of Borehole							
	18									
6	20									

Sand Pack Interval: 2.50 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.50 - 2.50 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-10

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	30-Nov-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,370.90 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,373.76 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292784.72
Contractor:	Nothnagle Drilling	**Northing:**	814000.33

SUBSURFACE PROFILE				SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram	Description
			Ground Surface							
			ASPHALT AND GRAVEL base	1370.90 0.00						
			SAND yellowish brown, medium, few medium to coarse gravel, dry	1370.50 0.40						
				1369.30						
	2		coarse GRAVEL AND small COBBLES yellowish brown, few medium to fine gravel, dry and becoming moist at 2'	1.60 1368.60	1	MC	27.6" 58%	0		
				2.30						
1			No Recovery							
	4			1366.90						
			coarse GRAVEL AND small COBBLES yellowish brown, little fine sand, few fine gravel, wet	4.00						
				1365.40						
	6		No Recovery	5.50	2	MC	18" 38%	0		
2										
	8			1362.90						
			SILTY CLAY brown, wet	8.00 1362.30						
			CLAYEY SILT grey, wet	8.60						
				1361.30						
3	10		No Recovery	9.60	3	MC	19.2" 32%	0		
	12									
				1357.90						
4			End of Borehole	13.00						
	14									
	16									
5										
	18									
6	20									

Concrete seal with Stick up casing

Bentonite Seal

Sand Pack (#00N size)

PVC Screen (0.010 slot)

Sand Pack Interval: 2.40 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.50 - 2.40 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-11

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	30-Nov-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,369.87 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,372.39 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292790.71
Contractor:	Nothnagle Drilling	**Northing:**	813908.64

SUBSURFACE PROFILE				SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram	Description
			Ground Surface	1369.87 0.00						
			GRAVEL brown, fine to medium, some silt, moist	1368.97						
			fine to coarse GRAVEL AND fine SAND yellowish brown, dry to moist	0.90						
	2			1367.57	1	MC	27" 56%	0		Concrete seal with Stick up casing
			No Recovery	2.30						Bentonite Seal
1										Sand Pack (#00N size)
	4			1365.87						
			coarse GRAVEL AND small COBBLES yellowish brown, wet	4.00						
				1365.07						
			No Recovery	4.80						
	6				2	MC	9.6" 20%	0		
2										
	8			1361.87						
			CLAYEY SILT gray, wet	8.00				0		PVC Screen (0.010 slot)
3	10				3	MC	33.6" 70%	0		
				1357.87						
	12		SILTY CLAY brown, wet	12.00				0		
				1356.87						
4			CLAYEY SILT gray, wet	13.00						
				1356.17						
	14		SILTY CLAY brown, wet	13.70	4	MC	48" 100%	0		
				1355.67						
			CLAYEY SILT gray, wet	14.20						
				1355.37						
			SILTY CLAY gray, wet	14.50						
	16			1353.87						
5			End of Borehole	16.00						
	18									
6										
	20									

Sand Pack Interval: 2.50 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.50 - 2.50 ft BGS

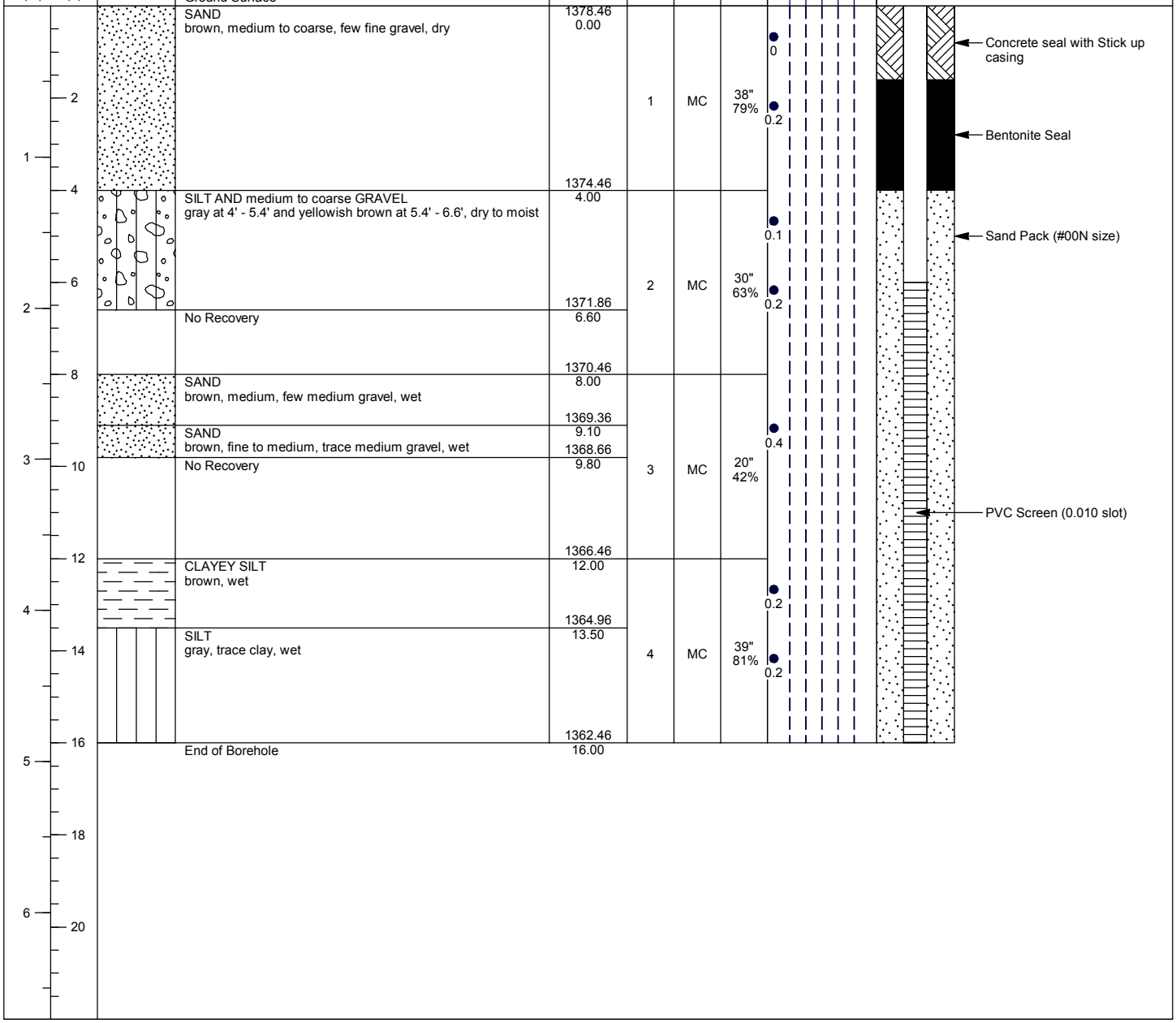
Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-12

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	29-Nov-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,378.46 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,381.50 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292595.82
Contractor:	Nothnagle Drilling	**Northing:**	813823.14



Sand Pack Interval: 4.00 - 16.00 ft BGS
Screen Interval: 6.00 - 16.00 ft BGS
Well Seal Interval: 1.60 - 4.00 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-13

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	29-Nov-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,371.24 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,374.00 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292840.77
Contractor:	Nothnagle Drilling	**Northing:**	813509.36

SUBSURFACE PROFILE			SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID	Well Diagram	Description
			Ground Surface	1371.24 0.00						
			GRAVEL brown, fine to coarse, some fine sand, dry	1369.94 1.30						
			ASPHALT black, coarse sand to fine gravel pieces, dry	1369.64 1.60						
	2		SAND brown, fine to medium, few medium gravel, dry	1369.24 2.00	1	MC	33" 69%	0.1		
1			GRAVEL dark gray, fine, trace silt, dry	1369.04 2.20						
	4		fine SAND AND SILT gray, trace clay, trace coarse gravel, dry to moist	1367.24 4.00						
			SILT brown, some coarse sand and fine gravel, dry to moist					0.1		
	6			1364.94 6.30	2	MC	27" 56%			
2			SILT brown, few fine gravel, wet					0.1		
	8			1362.24 9.00				0.1		
			No Recovery		3	MC	10.8" 23%			
3	10			1359.24 12.00						
			CLAYEY SILT gray, wet, at 13.1' to 13.2' gray fine to medium sand					0		
4	12				4	MC	34.8" 73%			
	14			1356.24 15.00				0		
			No Recovery	1355.24 16.00						
	16		End of Borehole							
5										
	18									
6										
	20									

Concrete seal with Stick up casing

Bentonite Seal

Sand Pack (#00N size)

PVC Screen (0.010 slot)

Sand Pack Interval: 3.80 - 16.00 ft BGS
Screen Interval: 6.00 - 16.00 ft BGS
Well Seal Interval: 2.00 - 3.80 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-14

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	30-Nov-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,363.62 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,366.54 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292987.42
Contractor:	Nothnagle Drilling	**Northing:**	814026.5

SUBSURFACE PROFILE			SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram	Description
			Ground Surface	1363.62 0.00						
			SILT AND fine to coarse GRAVEL brown, roots, dry	1361.92						
	2		No Recovery	1.70	1	MC	20.4" 43%	0		
1				1359.62						
	4		SILT brown, orange mottling, few medium gravel, dry	4.00				0		
				1358.22						
	6		CLAYEY SILT gray, moist	5.40	2	MC	36" 75%			
2				1356.62						
			No Recovery	7.00				0		
	8			1355.62						
			SAND gray, fine, some medium angular gravel, moist to wet	8.00						
				1354.72						
			fine SAND AND fine to coarse GRAVEL gray, moist to wet	8.90 1354.12						
3	10		No Recovery	9.50	3	MC	17" 35%	0		
				1351.62						
	12		CLAYEY SILT gray, wet	12.00				0		
4					4	MC	33" 69%			
	14									
	16							0		
5					5	MC	48" 100%			
	18							0		
6										
	20		End of Borehole	1343.62 20.00						

Concrete seal with Stick up casing

Grout

Bentonite Seal

Sand Pack (#00N size)

PVC Screen (0.010 slot)

Sand Pack Interval: 7.50 - 20.00 ft BGS
Screen Interval: 10.00 - 20.00 ft BGS
Well Seal Interval: 5.30 - 7.50 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Borehole: B-15

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	02-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a

SUBSURFACE PROFILE			SAMPLE DETAILS				
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID
			Ground Surface					
			TOPSOIL dark brown, silt with roots, moist	0.00 0.90				
			CLAYEY SILT yellowish brown, some medium gravel, moist	1.30 1.40				
	2		SILT dark brown, few clay, looks like topsoil, moist	1.60	1	MC	21.6" 45%	0
1			SILTY CLAY gray with orange mottling, dry to moist No Recovery					
	4			4.00				
			coarse GRAVEL / small COBBLES brown, some silt and fine sand, wet	5.80				
	6		No Recovery		2	MC	21.6" 45%	0
2				8.00				
	8		CLAYEY SILT gray, wet					
3	10				3	MC	27.6" 58%	0
	12		End of Borehole	12.00				
4	14							
5	16							
	18							
6	20							

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-16

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS			
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)
			Ground Surface				
			TOPSOIL dark brown, silt, few medium gravel, grass and roots for top 0.2', moist	0.00 0.70			
			ASPHALT dark brown to black, dry	1.00			
			SILT yellowish brown, with some coarse gravel, dry to moist	1.50			
	2		SILT yellowish brown, some orange mottling, few medium gravel, dry to moist	2.90	1	MC	34.8" 73%
1			No Recovery	4.00			
	4		SILTY CLAY yellowish brown to brown, few gravel, moist	5.30			
			medium SAND & coarse GRAVEL / small COBBLES brown, moist to wet	6.10			
	6		SILTY CLAY brown grading to gray, moist		2	MC	38.4" 80%
2				8.00			
	8		SILTY CLAY gray, moist to becoming wet - coarse sand layer at 8.6' to 8.7'				
3	10		- coarse sand layer at 10.2' - 10.3'	10.40	3	MC	38.4" 80%
			CLAYEY SILT gray, wet	11.20			
			No Recovery	12.00			
	12		SAND brown, coarse, wet	12.70			
4			SAND brown, fine, wet	13.70			
	14		SILT brown, few clay, wet		4	MC	38.4" 80%
	16						
5							
	18			18.00	5	MC	24" 50%
			No Recovery				
6	20		End of Borehole	20.00			

Vapour Concentration (ppm)
PID
20 40 60 80 100

0
0
0
13.4
15.2
40
28.1
12
4

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-17

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,374.42 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	1292673.04
Contractor:	Nothnagle Drilling	**Northing:**	814070.46

SUBSURFACE PROFILE				SAMPLE DETAILS			
Depth (m) (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100
		Ground Surface	1374.42 0.00				
		SILT dark brown, few coarse gravel, dry to moist	1373.02 1.40				0
		CLAYEY SILT brown, dry to moist and becoming moist at 2.6'	1372.52 1.90	1	MC	32.4" 68%	0
		SILT AND medium to coarse GRAVEL brown, dry to moist	1371.72 2.70				
1 — 4		No Recovery	1370.42 4.00				
		fine to coarse GRAVEL brown, little fine to coarse sand, wet	1369.82 4.60				0
		CLAYEY SILT brown at 4.6' - 5.6', gray at 5.6' - 7', wet		2	MC	36" 75%	0
2 — 6			1367.42 7.00				
		NO RECOVERY					
3 — 8 — 10				3	MC	0" 0%	
		End of Borehole	1362.42 12.00				
4 — 12 — 14							
5 — 16 — 18							
6 — 20							

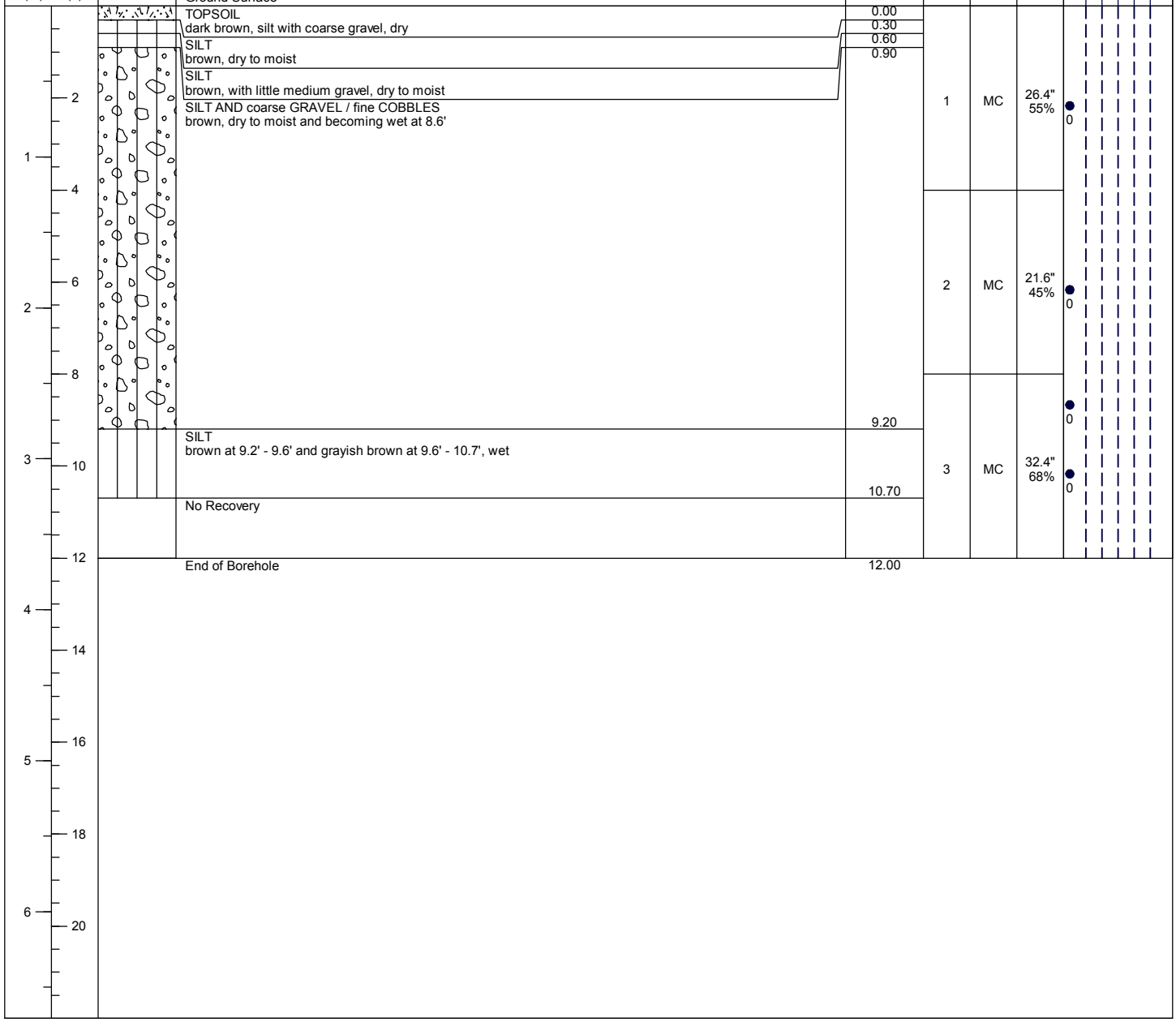
Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-18

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	02-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-19

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a

SUBSURFACE PROFILE			SAMPLE DETAILS				
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID
			Ground Surface					
			ASPHALT	0.00				
			GRAVEL asphalt subbase	0.10				
			dry	0.70				
			GRAVEL brown, medium to coarse, some silt, dry	2.30	1	MC	34.8" 73%	0
1	4		CLAYEY SILT brown, moist and becoming wet at about 4'					
2	6				2	MC	26.4" 55%	0
	8			9.00				0
3	10		CLAYEY SILT gray, wet		3	MC	33.6" 70%	0
				11.00				
			No Recovery					
4	12		End of Borehole	12.00				
	14							
5	16							
	18							
6	20							

Vapour Concentration (ppm) PID: 20 40 60 80 100

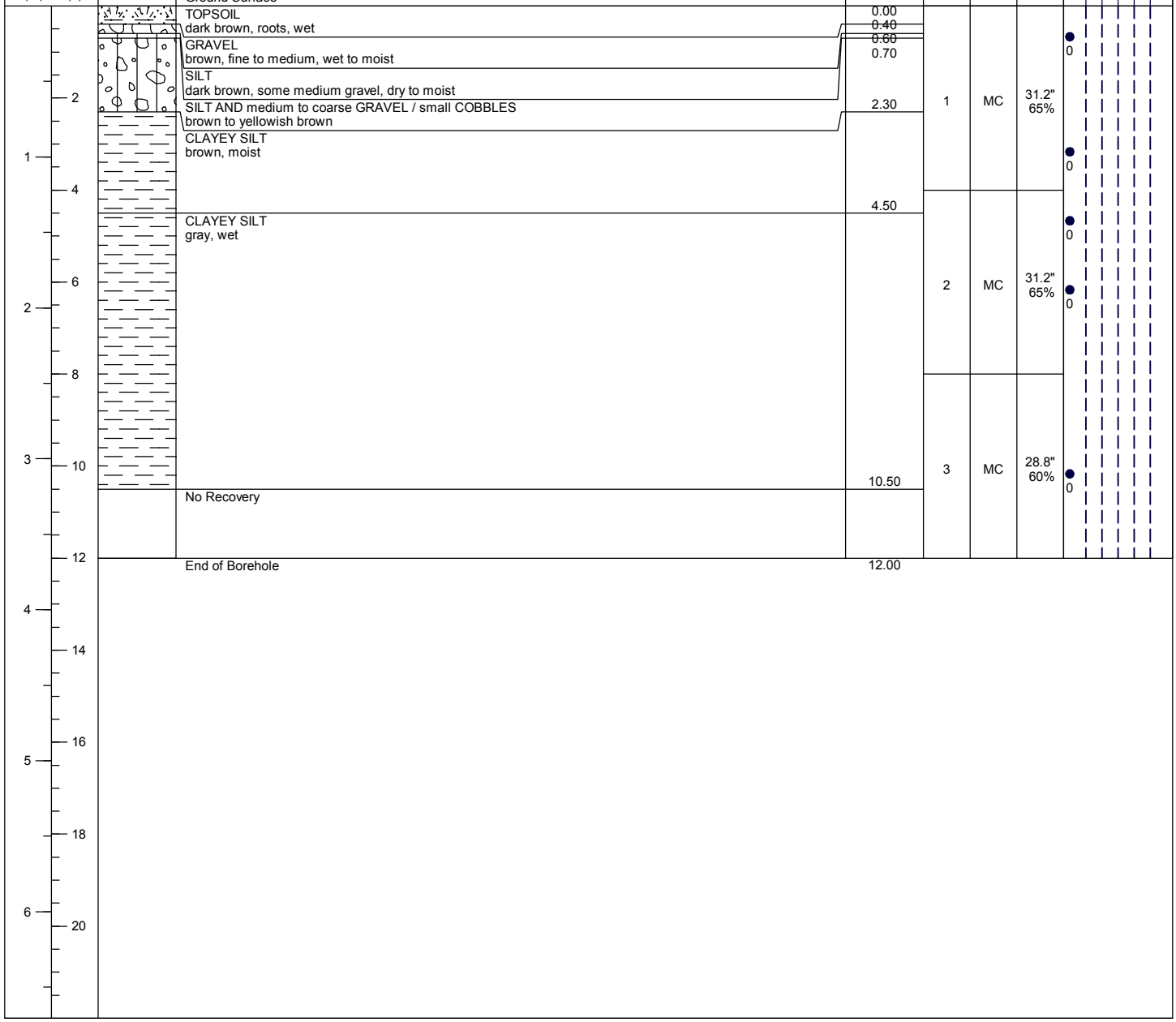
Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-20

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



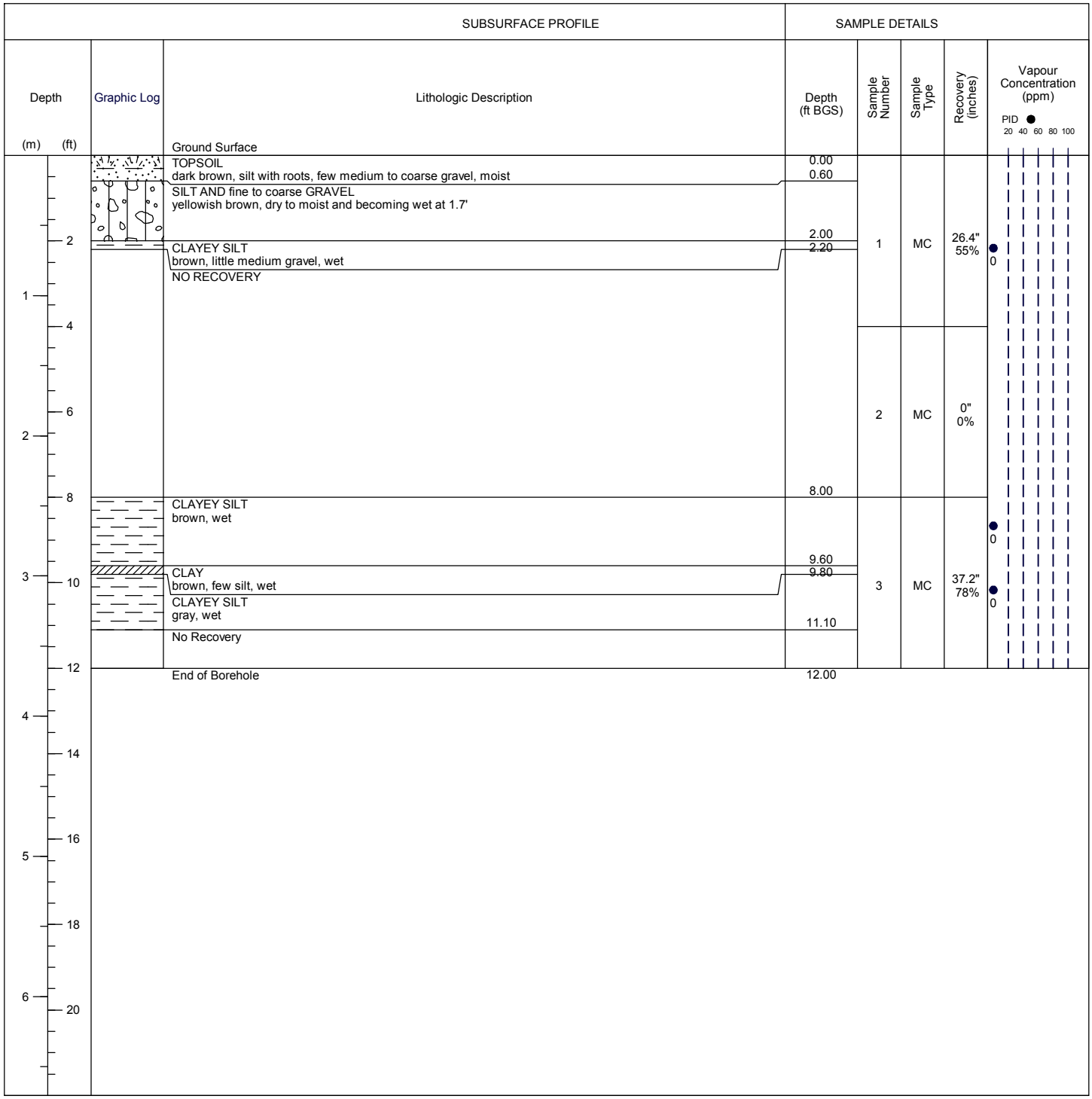
Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-21

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Monitoring Well: B/MW-22

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,365.66 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,368.32 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292524.37
Contractor:	Nothnagle Drilling	**Northing:**	814248.27

SUBSURFACE PROFILE			SAMPLE DETAILS					WELL DETAILS	
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100	Well Diagram	Description
			Ground Surface							
			TOPSOIL dark brown, roots, wet	1365.66 0.00						
			CLAYEY SILT brown, wet	1365.36 0.30						
				1364.26						
	2		coarse GRAVEL / COBBLES brown, little fine to coarse sand, wet	1.40	1	MC	25.2" 53%	0		Concrete seal with Stick up casing
1	4									Bentonite Seal
										Sand Pack (#00N size)
				1361.16						
			NO RECOVERY	4.50						
	6				2	MC	6" 13%	0		
2	8									PVC Screen (0.010 slot)
					3	MC	0" 0%			
3	10									
	12			1353.66						
			SILTY CLAY gray, wet	12.00						
4	14				4	MC	46.8" 98%	0		
	16			1349.66						
5			End of Borehole	16.00						
	18									
6	20									

Sand Pack Interval: 2.50 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.50 - 2.50 ft BGS

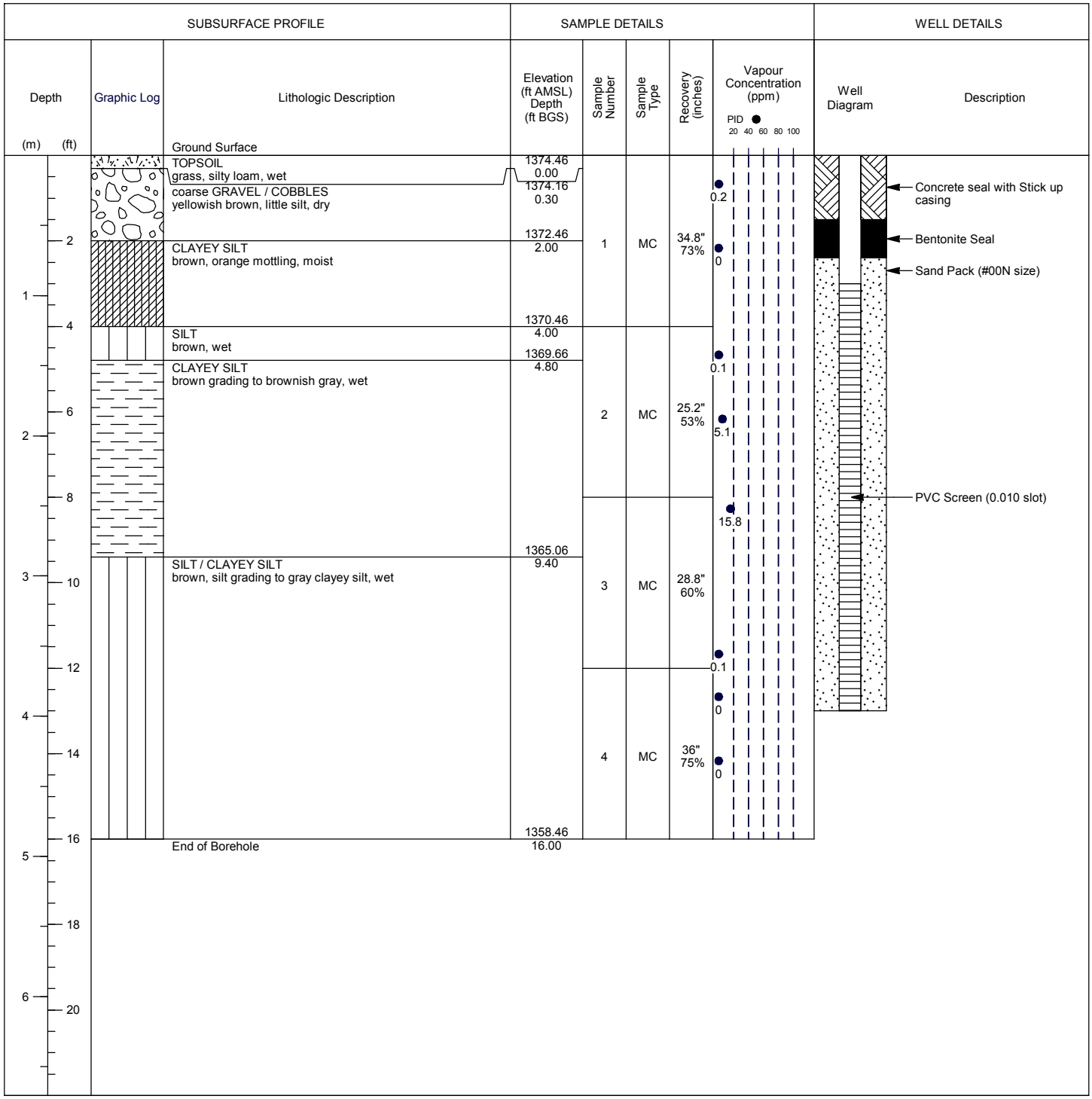
Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-23

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	06-Dec-2010 / 07-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,374.46 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	1,377.59 ft AMSL
Field investigator:	S. Reynolds-Smith	**Easting:**	1292619.71
Contractor:	Nothnagle Drilling	**Northing:**	814024.92



Sand Pack Interval: 2.40 - 13.00 ft BGS
Screen Interval: 3.00 - 13.00 ft BGS
Well Seal Interval: 1.50 - 2.40 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Borehole: B-24

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	06-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	1,375.57 ft AMSL
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	1292608.7
Contractor:	Nothnagle Drilling	**Northing:**	814063.85

Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Elevation (ft AMSL) Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID 20 40 60 80 100
			Ground Surface					
			TOPSOIL AND GRASS wet	1375.57 0.00				
			GRAVEL black to dark brown, granular low density material, fine to coarse, dry	1375.37 0.20				
			COBBLES brown, few clayey silt, dry to moist	1374.97 0.60				
	2		No Recovery	1374.57 1.00	1	MC	12" 25%	0.1
1				1371.57				
	4		coarse GRAVEL / small COBBLES brown, few silt, dry to moist	4.00 1370.77				
			SILT brown	4.80 1370.67				0.2 37
	6		SILTY CLAY brown, moist	4.90	2	MC	31.2" 65%	50
2				1368.97				
			No Recovery	6.60 1367.57				
	8		CLAYEY SILT brownish gray, less clay with depth, wet	8.00				19.9
3	10				3	MC	32.4" 68%	
	12			1363.57				7
			SILT brownish gray, few clay, wet	12.00				1.3
4	14				4	MC	34.8" 73%	
	16		End of Borehole	1359.57 16.00				0.1
5								
	18							
6	20							

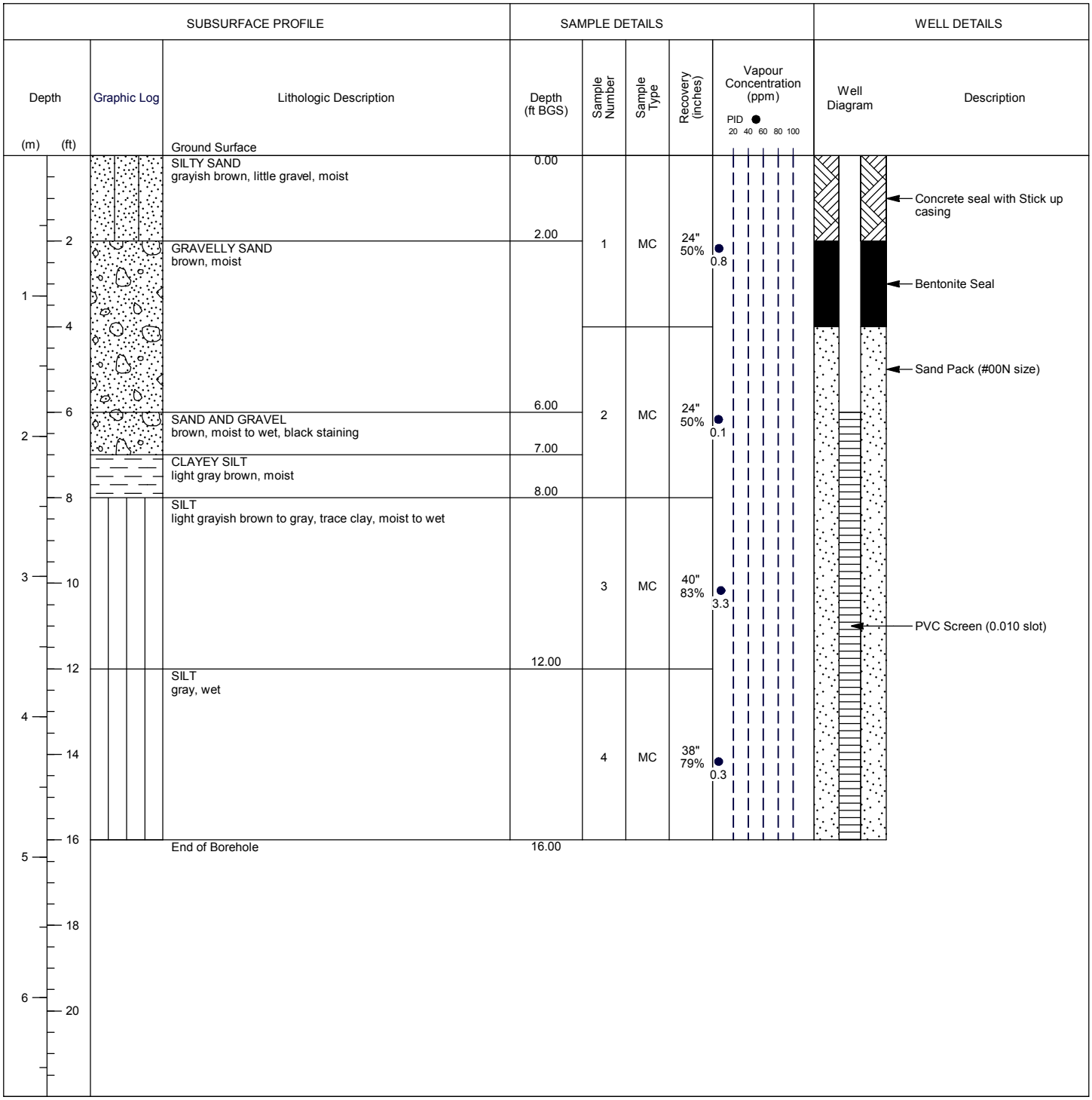
Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Monitoring Well: B/MW-25

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	06-Dec-2010
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



Sand Pack Interval: 4.00 - 16.00 ft BGS
Screen Interval: 6.00 - 16.00 ft BGS
Well Seal Interval: 2.00 - 4.00 ft BGS

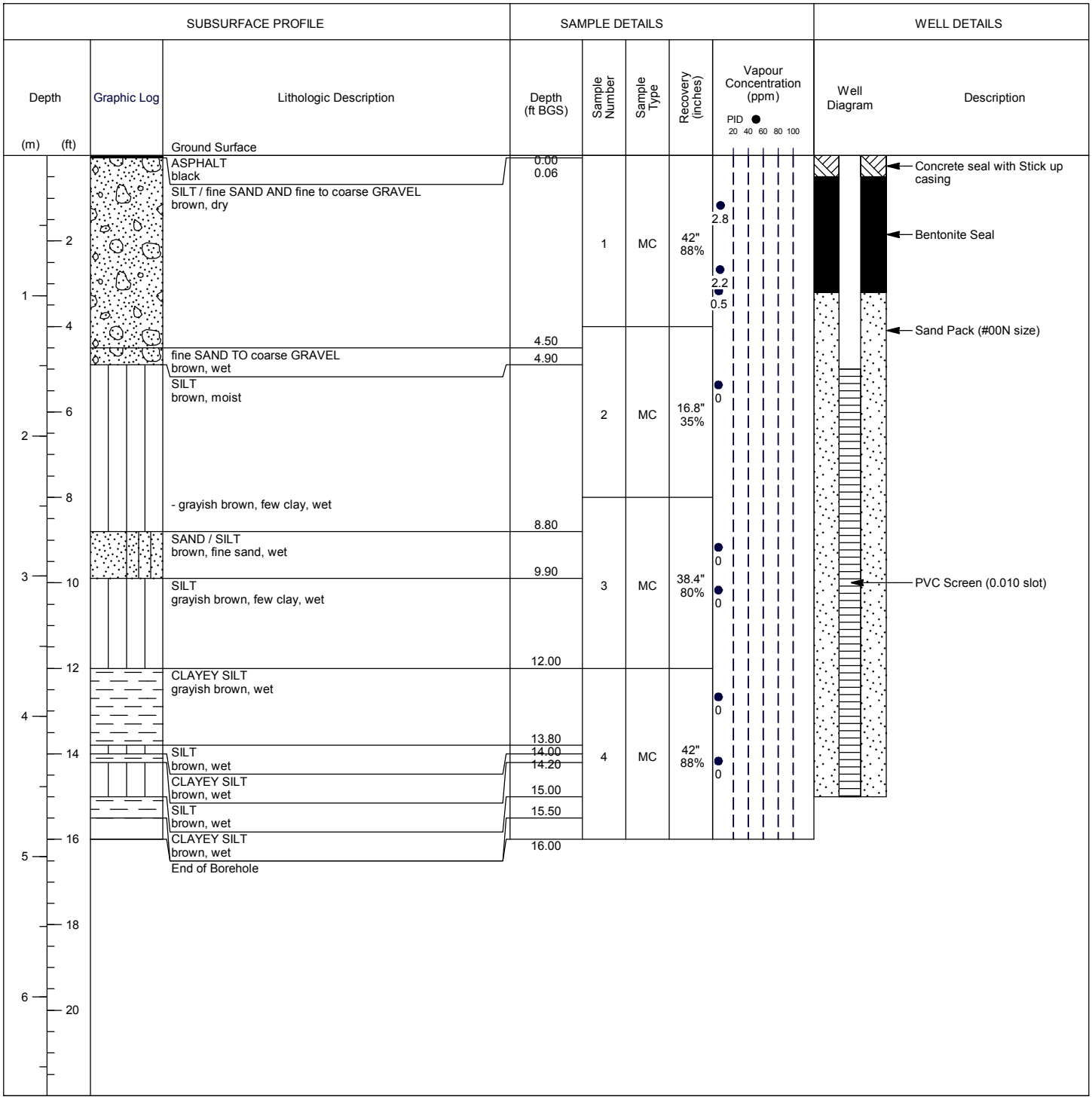
Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-26

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



Sand Pack Interval: 3.20 - 15.00 ft BGS
Screen Interval: 5.00 - 15.00 ft BGS
Well Seal Interval: 0.50 - 3.20 ft BGS

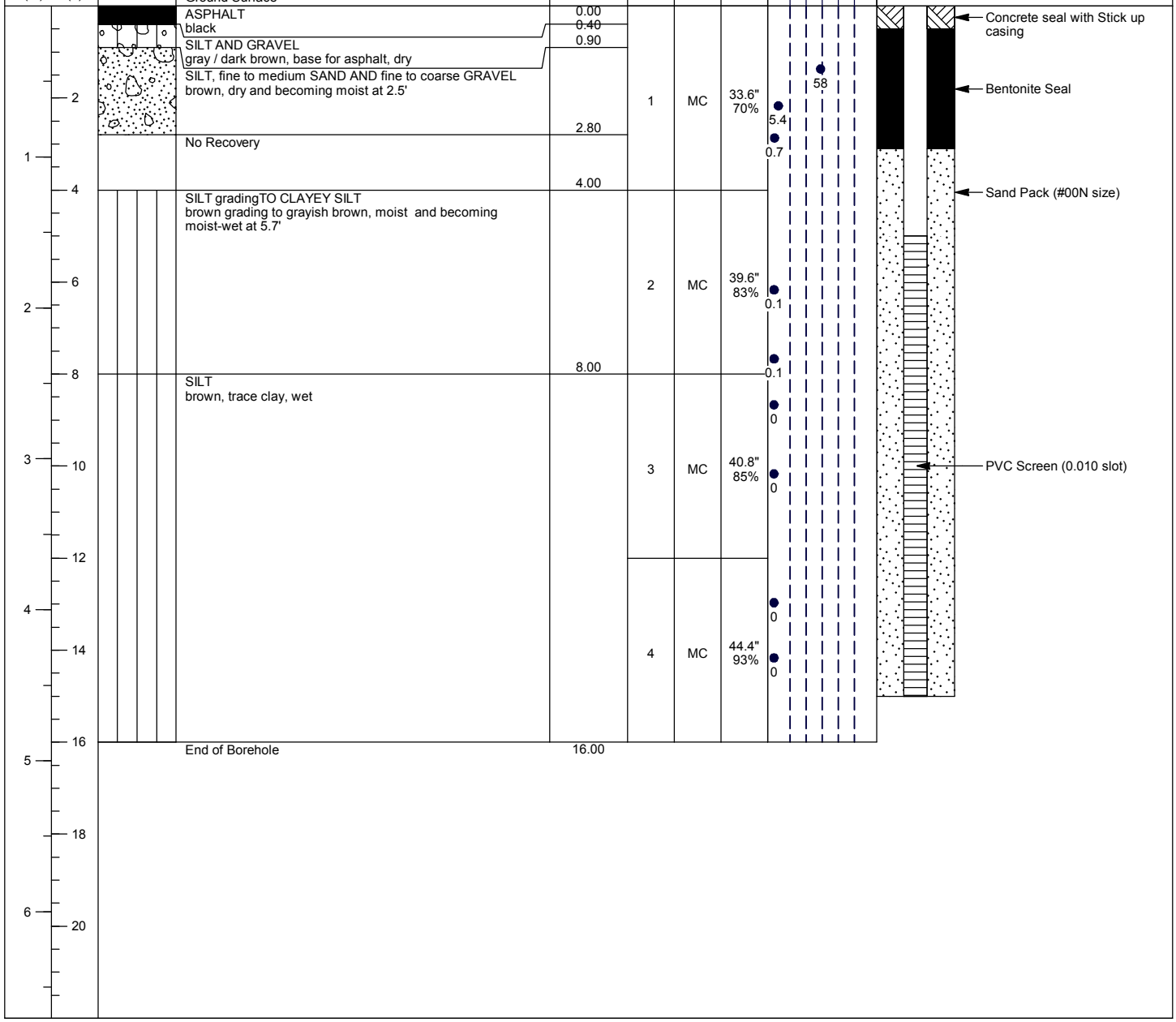
Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-27

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	03-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



Sand Pack Interval: 3.10 - 15.00 ft BGS
Screen Interval: 5.00 - 15.00 ft BGS
Well Seal Interval: 0.50 - 3.10 ft BGS

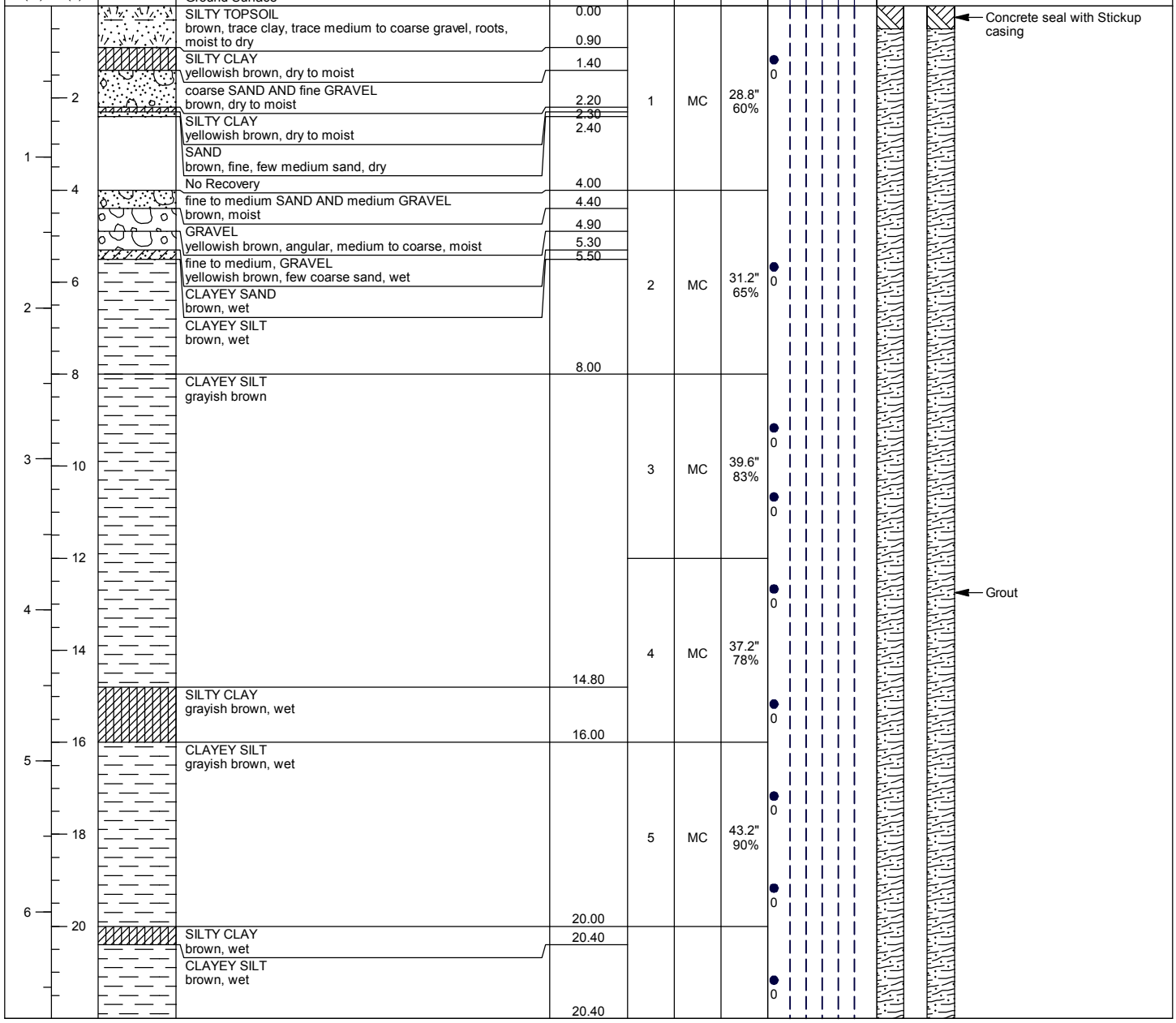
Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Monitoring Well: B/MW-28D

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	01-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



Sand Pack Interval: 27.70 - 40.00 ft BGS
Screen Interval: 30.00 - 40.00 ft BGS
Well Seal Interval: 25.00 - 27.70 ft BGS

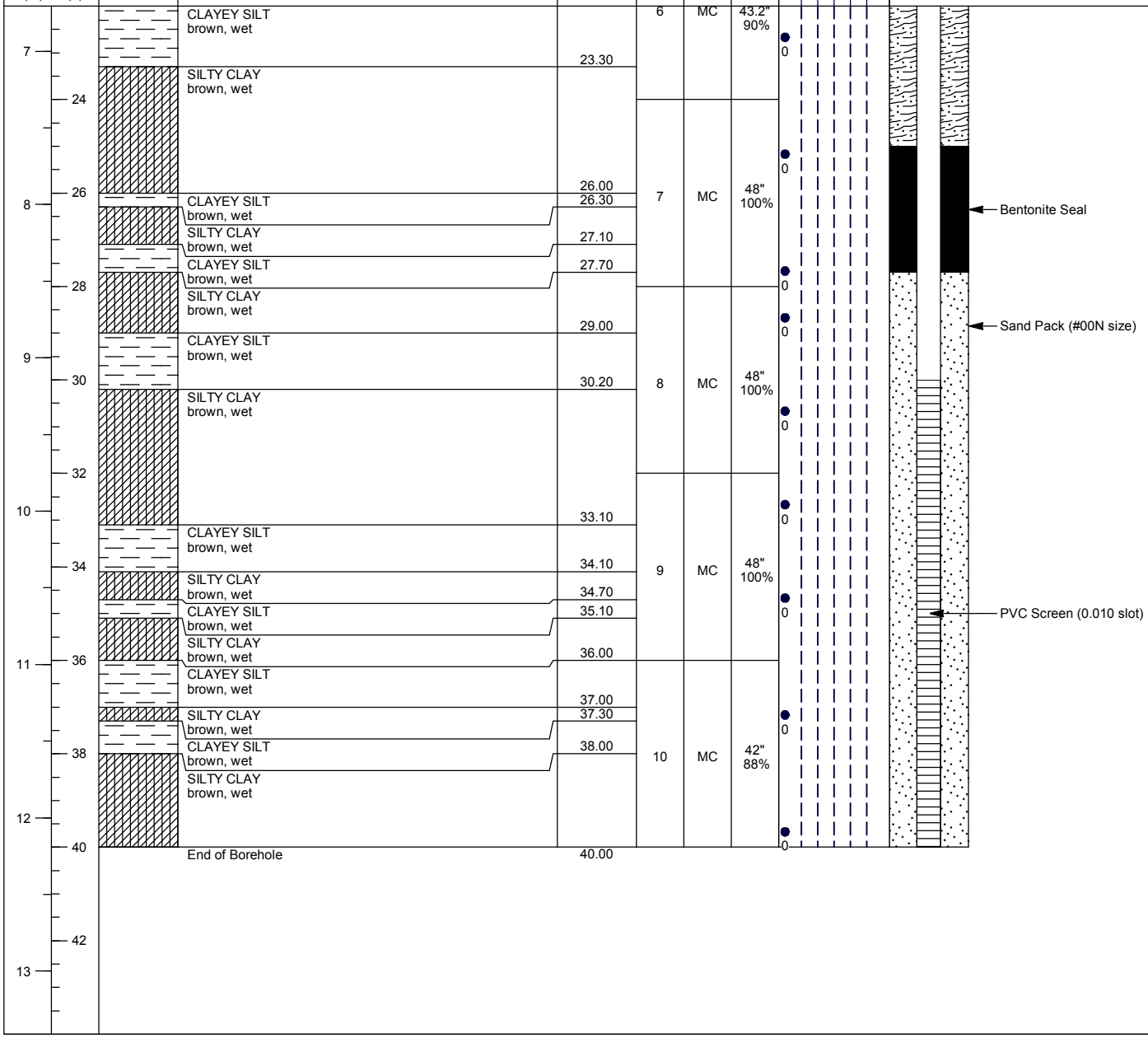
Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Monitoring Well: B/MW-28D

Project:	Remedial Investigation	**Drilling method:**	Macrocore / Hollow Stem Auger
Client:	Blades Holding Company Inc.	**Date started/completed:**	01-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a



Sand Pack Interval: 27.70 - 40.00 ft BGS
Screen Interval: 30.00 - 40.00 ft BGS
Well Seal Interval: 25.00 - 27.70 ft BGS

Drawn By/Checked By: KP / SRS

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Stantec

Borehole: B-29

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	04-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a

SUBSURFACE PROFILE			SAMPLE DETAILS				
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID
			Ground Surface					
			ASPHALT	0.00				
			SILT AND GRAVEL yellowish brown, dry	0.40 1.30				0
	2		SILTY CLAY brown, few medium gravel, dry	2.20	1	MC	44.4" 93%	
			SILT AND GRAVEL yellowish brown, dry	3.00				
1			SILTY CLAY brown, dry	4.00				0
	4		SILT AND fine to coarse GRAVEL brown, dry and becoming wet at 5.7'					0
	6			6.00	2	MC	24" 50%	0
2			No Recovery	8.00				
	8		CLAYEY SILT grayish brown, wet					
3	10				3	MC	44.4" 93%	0.2
	12							0.1
4					4	MC	30" 63%	0.1
	14			14.50				
			No Recovery					
	16		End of Borehole	16.00				
5								
	18							
6								
	20							

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-30

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	04-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS				
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID
			Ground Surface					
			ASPHALT	0.00				
			black	0.30				
			GRAVEL asphalt subbase	0.60				
			SILT AND fine to coarse GRAVEL brown with orange mottling, dry	1.40				
	2		SILTY CLAY brown, tight, dry	2.50	1	MC	36" 75%	0 0
			SILT AND fine to coarse GRAVEL brown with orange mottling, dry	3.00				
1			No Recovery	4.00				
	4		GRAVEL brown, medium to fine, wet	4.60				
			SAND brown, medium, wet	5.40				0.4
			GRAVEL AND SAND brown, coarse gravel, wet	5.60				
	6		CLAYEY SILT brown, wet	7.00	2	MC	40.8" 85%	0.3
2			SILTY CLAY brown, wet	8.00				
	8		CLAYEY SILT brown, wet					
3	10				3	MC	28.8" 60%	0.1
	12							
4								
	14			14.40	4	MC	28.8" 60%	0.2
			No Recovery					
	16		End of Borehole	16.00				
5								
	18							
6								
	20							

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-31

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	04-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS				
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID
			Ground Surface					
			ASPHALT	0.00				
			black	0.30				
			SILT dark brown at 0.3' to 1.1' and brown at 1.6' to 3', some fine to coarse gravel, odor, dry					
				1.60				
	2		SILTY CLAY grayish brown, dry		1	MC	43.2" 90%	40.7
				3.00				5.4
1			SILT AND fine to medium GRAVEL yellowish brown, dry	3.60				
	4		SILT brown, trace clay grading to few clay, few medium gravel, dry to moist and becoming wet at about 8'					2.6
								7.1
	6				2	MC	7.2" 15%	0.6
2								
	8							2.0
				9.10				
			fine SAND / SILT brown, wet	9.60				
3	10		SILT brown, few clay, wet		3	MC	36" 75%	1.3
	12			12.00				
			CLAYEY SILT brown, wet					
4				13.60				
	14		SILTY CLAY brown, wet	14.00	4	MC	24" 50%	1.1
			No Recovery					
	16		End of Borehole	16.00				
5								
	18							
6								
	20							

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Borehole: B-32

Project:	Remedial Investigation	**Drilling method:**	Macrocore
Client:	Blades Holding Company Inc.	**Date started/completed:**	07-Feb-2011
Location:	5392 Rt 19, Amity, NY	**Ground surface elevation:**	n/a
Number:	190500593.300	**Top of casing elevation:**	n/a
Field investigator:	S. Reynolds-Smith	**Easting:**	n/a
Contractor:	Nothnagle Drilling	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS			
Depth (m)	Depth (ft)	Graphic Log	Lithologic Description	Depth (ft BGS)	Sample Number	Sample Type	Recovery (inches)	Vapour Concentration (ppm) PID
			Ground Surface					
			ASPHALT black	0.00 0.50				0
			GRAVEL asphalt subbase	0.90				
			SILT AND medium GRAVEL yellowish brown, dry	1.60				
1	2		SILTY CLAY brown to yellowish brown with gray mottling, dry		1	MC	45.6" 95%	0
	4			4.20				
			SILT AND fine to coarse GRAVEL brown, dry					0
	6			6.00	2	MC	26.4" 55%	0
2			SAND brown, medium, moist to wet					
	8		- fine grading to coarse, few coarse gravel, wet					
3	10				3	MC	27.6" 58%	0
	12		- fine to coarse	12.90				
4			GRAVEL brown, medium to coarse, wet	13.40				
	14		CLAYEY SILT brown, wet	14.50	4	MC	30" 63%	0
			No Recovery					
	16		End of Borehole	16.00				
5								
	18							
6								
	20							

Notes:
ft AMSL - feet above mean sea level
ft BGS - feet below ground surface
ft BTOC - feet below top of casing
ft AGS - feet above ground surface
ppm - parts per million
n/a - not available
MC - macrocore

Drawn By/Checked By: KP / SRS

Stantec

Appendix C

Laboratory Detection Limits

Volatile Organic Compounds (GC/MS) 8260B

Analyte Description	CAS Number	RL - Limit	MDL - Limit	Units
1,1,1-Trichloroethane	71-55-6	5	0.363	ug/Kg
1,1,2,2-Tetrachloroethane	79-34-5	5	0.811	ug/Kg
1,1,2-Trichloroethane	79-00-5	5	0.65	ug/Kg
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5	1.14	ug/Kg
1,1-Dichloroethane	75-34-3	5	0.61	ug/Kg
1,1-Dichloroethene	75-35-4	5	0.612	ug/Kg
1,2,4-Trichlorobenzene	120-82-1	5	0.304	ug/Kg
1,2-Dibromo-3-Chloropropane	96-12-8	5	2.5	ug/Kg
1,2-Dibromoethane	106-93-4	5	0.642	ug/Kg
1,2-Dichlorobenzene	95-50-1	5	0.391	ug/Kg
1,2-Dichloroethane	107-06-2	5	0.251	ug/Kg
1,2-Dichloropropane	78-87-5	5	2.5	ug/Kg
1,3-Dichlorobenzene	541-73-1	5	0.257	ug/Kg
1,4-Dichlorobenzene	106-46-7	5	0.7	ug/Kg
2-Hexanone	591-78-6	25	2.5	ug/Kg
2-Butanone (MEK)	78-93-3	25	1.83	ug/Kg
4-Methyl-2-pentanone (MIBK)	108-10-1	25	1.64	ug/Kg
Acetone	67-64-1	25	4.21	ug/Kg
Benzene	71-43-2	5	0.245	ug/Kg
Bromodichloromethane	75-27-4	5	0.67	ug/Kg
Bromoform	75-25-2	5	2.5	ug/Kg
Bromomethane	74-83-9	5	0.45	ug/Kg
Carbon disulfide	75-15-0	5	2.5	ug/Kg
Carbon tetrachloride	56-23-5	5	0.484	ug/Kg
Chlorobenzene	108-90-7	5	0.66	ug/Kg
Dibromochloromethane	124-48-1	5	0.64	ug/Kg
Chloroethane	75-00-3	5	1.13	ug/Kg
Chloroform	67-66-3	5	0.309	ug/Kg
Chloromethane	74-87-3	5	0.302	ug/Kg
cis-1,2-Dichloroethene	156-59-2	5	0.64	ug/Kg
cis-1,3-Dichloropropene	10061-01-5	5	0.72	ug/Kg
Cyclohexane	110-82-7	5	0.7	ug/Kg
Dichlorodifluoromethane	75-71-8	5	0.413	ug/Kg
Ethylbenzene	100-41-4	5	0.345	ug/Kg
Isopropylbenzene	98-82-8	5	0.754	ug/Kg
Methyl acetate	79-20-9	5	0.93	ug/Kg
Methyl tert-butyl ether	1634-04-4	5	0.491	ug/Kg
Methylcyclohexane	108-87-2	5	0.76	ug/Kg
Methylene Chloride	75-09-2	5	2.3	ug/Kg
Styrene	100-42-5	5	0.25	ug/Kg
Tetrachloroethene	127-18-4	5	0.671	ug/Kg
Toluene	108-88-3	5	0.378	ug/Kg
trans-1,2-Dichloroethene	156-60-5	5	0.516	ug/Kg
trans-1,3-Dichloropropene	10061-02-6	5	2.2	ug/Kg
Trichloroethene	79-01-6	5	1.1	ug/Kg
Trichlorofluoromethane	75-69-4	5	0.473	ug/Kg
Vinyl chloride	75-01-4	5	0.61	ug/Kg
Xylenes, Total	1330-20-7	10	0.84	ug/Kg
1,2-Dichloroethane-d4 (Surr)	17060-07-0			ug/Kg
Toluene-d8 (Surr)	2037-26-5			ug/Kg
4-Bromofluorobenzene (Surr)	460-00-4			ug/Kg

TCLP Volatile Organic Compounds (GC/MS) 8260B

	Analyte Description	CAS Number	RL - Limit	MDL - Limit	Units
	Benzene	71-43-2	0.001	0.00041	mg/L
	Carbon tetrachloride	56-23-5	0.001	0.00027	mg/L
	Chlorobenzene	108-90-7	0.001	0.00075	mg/L
	Chloroform	67-66-3	0.001	0.00034	mg/L
	1,2-Dichloroethane	107-06-2	0.001	0.00021	mg/L
	1,1-Dichloroethene	75-35-4	0.001	0.00029	mg/L
	2-Butanone (MEK)	78-93-3	0.005	0.00132	mg/L
	Tetrachloroethene	127-18-4	0.001	0.00036	mg/L
	Trichloroethene	79-01-6	0.001	0.00046	mg/L
	Vinyl chloride	75-01-4	0.001	0.0009	mg/L
	1,2-Dichloroethane-d4 (Surr)	17060-07-0			mg/L
	Toluene-d8 (Surr)	2037-26-5			mg/L
	1,4-Dichlorobenzene-d4	3855-82-1			mg/L
	1,4-Difluorobenzene	540-36-3			mg/L
	Chlorobenzene-d5	3114-55-4			mg/L
	4-Bromofluorobenzene (Surr)	460-00-4			mg/L