CLOSURE OF DRYWELL 3 AND MECHANIC'S PIT REMEDIAL ACTION REPORT BARTLETT TREE COMPANY SITE WESTBURY, NEW YORK NYSDEC SITE REGISTRY NO. 130074

Prepared for

F.A. Bartlett Tree Expert Company,
Charlotte, North Carolina

March 2010

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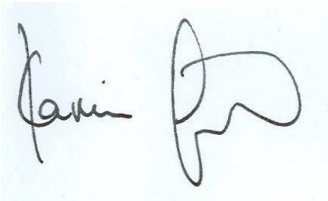

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1. INTRODUCTION

Brown and Caldwell Associates (BC) has prepared this remedial action report (RAR) on behalf of F.A. Bartlett Tree Experts to detail the closure of Drywell 3, a former mechanic's pit, and a floor drain at the Bartlett Tree Company Site (the Site). This RAR reflects the approach for the closure of the drywell originally described in BC's remedial action work plan[1] (RAWP) submitted in February 2009 to the New York State Department of Environmental Conservation (DEC). The DEC approved the RAWP by letter dated February 23, 2009 (Appendix F).

1.1 Background

The site is located on Long Island, at 345 Union Avenue in Westbury, Nassau County, New York (Figure 1). The site is located in an urban, mixed-use neighborhood of commercial and industrial facilities and residences. The site consists of a narrow parcel of land measuring approximately 340 feet in length by 60 feet wide, totaling approximately 0.4 acres. The locations of Drywell 3, the former mechanic's pit, and the floor drain are shown on Figure 2.

Drywell 3 previously served as a cesspool which received sanitary wastes from the adjacent Office Building. Prior to the closure activities, it was thought that Drywell 3 might also have connections to a floor drain located in the exterior stairwell on the north side of the Office Building (Stairwell Floor Drain), and/or to a potential drain located in a suspected former mechanic's pit located in the ground floor of the Office Building (Mechanic's Pit). At some point in the past, the Mechanic's Pit had been filled with aggregate and covered by wooden boards. A remedial investigation (RI) conducted in accordance with the DEC-approved "Remedial Investigation/Feasibility Study Work Plan" (Brown and Caldwell, March 2008) identified petroleum product(s) and pesticides/herbicides in the materials contained within Drywell 3 and indicated the need to terminate its use as a cesspool and properly close it. In March 2009 the Office Building was connected to the municipal sanitary sewer system and the usage of Drywell 3 as a cesspool ceased. The nature of the Mechanics Pit and the Stairway Floor Drain and any possible connections to Drywell 3 remained uncertain.

1.2 Objectives and Technical Approach

The objectives of the closure activities described in this report were to terminate the use of Drywell 3 as a cesspool for the receipt of sanitary sewage, to remove contaminated liquids and solids from the drywell, and to investigate and terminate any connections to the Stairwell Floor Drain or a potential drain in the Mechanic's Pit. An overview of the closure activities is provided below and described in detail in Section 2.

Mechanics Pit: After removal of the fill from the Mechanic's Pit, the pit was inspected to determine if it had a solid bottom (with or without a drain) or if it had an earthen bottom. The inspection included notation of the structural condition of the pit, including the presence of cracks and the condition of mortar repairs (if any). The contents of the pit were sampled for volatile organic compounds (VOCs), semivolatile organic

[1] "Closure Of Drywell 3 Work Plan, Bartlett Tree Company Site, Westbury, New York, NYSDEC Site Registry No. 130074"; Brown and Caldwell; February 2009.

compounds (SVOCs), herbicides, pesticides, metals, and polychlorinated biphenyls (PCBs) as specified in the RAWP and in accordance with the requirements and quality assurance methods in the July 2007 RI/FS Work Plan.

Drywell 3: Based on the proximity of Drywell 3 to the Office Building, removal of the drywell system could adversely impact the foundation of the Office Building. Therefore the drywell was closed in place by removing and properly disposing of its contents and backfilling the structure with clean fill. The contents of the drywell (liquids and accumulated solids) were removed to the extent practicable using a vacuum (vac) truck. The vac truck was also used to remove soils in the base of the drywell to the extent possible without undermining the drywell wall. After cleaning and inspection of the Drywell, closure confirmation samples were collected and analyzed for VOCs, SVOCs, herbicides, pesticides, metals, and PCBs to determine if the remaining soil had been adversely impacted by leaching of the drywell contents.

Stairway Floor Drain: The stairway floor drain receives storm water runoff from the paved parking lot. Historical architectural plans indicate this floor drain had a potential connection to a pre-cast dry well located a few feet to the north and west of the stairway. It was unclear if this pre-cast dry well was actually Drywell 3. The cover of the Stairway Floor Drain was removed and its contents were inspected and sampled. The interior of Drywell 3 was inspected to identify any drain pipe potentially connected to the floor drain. The potential for connection between Drywell 3 and the Stairway Floor Drain was tested by introducing water into the drain and observing the interior of Drywell 3 (after cleaning) for evidence of drainage.

Fieldwork took place in August 2009 and the investigation and closure sampling results are included in this report.

2. CLOSURE ACTIVITIES

BC contracted with Land Remediation, Inc. of Averill Park, New York to perform the closure activities as specified in the February 2009 RAWP. During the closure activities, BC personnel provided continuous inspection the closure activities, performed required air monitoring for protection of workers and the community, and collected post-removal/excavation verification samples. Field work took place on August 4 and 5, 2009. During the investigation and closure activities, representatives from DEC (Jamie Ascher) and Nassau County Department of Health (NCDH) (John Lovejoy) were present. Photographs of field activities are presented in the photodocumentation log in Appendix A.

All waste materials generated from the closure activities (i.e., liquids/suspended solids, soil/sediments, fluids generated from decontamination activities, personal protective equipment, etc.) were properly containerized, and labeled. With the exception noted in Section 2.4, all wastes were transported and disposed of at off-site facilities permitted to accept these materials. In addition, investigation derived waste (IDW) from the previous RI activities were removed at this time and disposed of. An inventory of all IDW drums is contained in Appendix B. The IDW and all waste materials generated as part of the closure activities were characterized as non-hazardous waste. Manifests and certificates of destruction are included in Appendix B.

During closure activities, air at the downwind perimeters of the work zones was monitored in accordance with the Community Air Monitoring Plan (CAMP) contained in Appendix C of the DEC-approved "Remedial Investigation/Feasibility Study Work Plan" (Brown and Caldwell, March 2008). Air was continuously monitored for volatile organic compounds (VOCs) and particulates. No exceedances of the action levels of 5 ppm above background VOCs and 100 mcg/m^3 above background TM-10 (particulate matter less than 10 micrometers in size) occurred. Air data collected during field work is provided in Appendix C.

2.1 Permits and Notification

All work was performed under the site investigation/remediation program conducted under the auspices of the DEC. On July 31, 2009 BC and its subcontractor, Land Remediation provided notifications to the NCDH and the DEC regarding the closure activities.

The Nassau County Department of Public Works (NCDPW) requires that facilities obtain a sewer connection permit prior to connection to the Nassau County public sewer system. Bartlett obtained the sewer connection permit and, in March 2009, the Office Building was connected to the municipal sanitary sewer system and the usage of Drywell 3 as a cesspool ceased. Proper closure of the on-site sanitary system (i.e., Drywell 3) according to NCDH requirements was one condition of the sewer connection permit. This closure is usually overseen and approved by the NCDH with the NCDPW notified. However, because the site is listed on the New York Registry of Inactive Hazardous Waste Sites, the NCDH recommended that oversight of the drywell closure be part of the entire remedial action for the site. The NCDH will notify the NCDPW that the drywell has been properly closed in conjunction with the sewer connection permit.

2.2 Waste Characterization

Waste characterization data for the Drywell 3 contents were provided to DEC in the February 2009 RAWP, and additional characterization activities were not necessary. Based on these data, Land Remediation

prepared waste profiles for disposal of IDW and the materials encountered in Drywell 3 and submitted them to CycleChem, Inc. of Elizabeth New Jersey prior to mobilization (Appendix G). CycleChem approved the waste profiles and issued Approval Code Number 953500-PC04-1.

2.3 Sampling and Analysis

As discussed in the following sections, environmental samples and post-removal confirmation samples were collected during the closure activities. The samples were packed in ice and submitted under chain of custody to Lancaster Laboratories, Inc. of Lancaster, Pennsylvania for the following analyses:

- TCL VOCs by USEPA SW 846 Method 8260;
- TCL SVOCs by USEPA SW 846 Method 8270C;
- TCL Pesticides by USEPA SW 846 Method 8081A;
- Organophosphorous Pesticides by USEPA SW 846 Method 8141A;
- Chlorinated Herbicides by USEPA SW 846 Method 8151A;
- TAL Metals - USEPA SW 846 Method 6010B/7471A; and
- PCBs by USEPA SW-846 Method 8082.

The analytical results are summarized in Table 1 and Figure 3. Due to the relatively large number of targeted analytes, Table 1 lists only those analytes with at least one detection in the soil matrix. Complete data packages are provided on CD-ROM in Appendix D. The laboratory results were forwarded to a qualified data validator for qualitative data validation and preparation of a Data Usability Summary Report (DUSR) in accordance with NYSDEC Guidance for the Development of Data Usability Summary Reports (revised September 1997). A copy of the signed DUSR is provided in Appendix E. Analytical data qualifiers resulting from the data validation are discussed in the DUSR and reflected in Table 1. The 2,4-dinitrophenol result for sample Dry Well was rejected (R) and is not usable for any purpose. All other results are considered usable for the stated purposes. Minor data quality issues with respect to blank contamination, spike recoveries, and duplicate precision were identified; only some required qualification of data.

The analytical results were compared to the 6NYCRR Subpart 375 Soil Cleanup Objectives (SCOs) for Protection of Public Health – Commercial Use, and Protection of Groundwater. All results that exceed one or both of these SCOs are highlighted in red on Table 1. Figure 3 presents only those analytes which exceed at least one of the SCOs.

2.4 Inspection of Former Mechanic's Pit

During closure activities, the wooden planking over the mechanics pit was removed. The stone backfill was removed from the pit using a small excavator and placed on poly sheeting adjacent to the pit. Inspection of the stone backfill and screening with a photoionization detector (PID) did not reveal evidence of obvious contamination (e.g., staining, odors, elevated VOC levels). Prior to entering the pit, the atmosphere in the pit was monitored for VOCs, lower explosive limit (LEL), oxygen, carbon monoxide and hydrogen sulfide to verify that conditions were within acceptable limits in accordance with the site-specific Health and Safety Plan (HASP). The interior of the pit was inspected and determined to have a floor of solid concrete, potentially a quik-set bag type. The concrete walls and concrete floor slab did not evidence staining nor any cracking or visible pipe entries or exits. There were no drains exiting the pit. There was discolored soil material present

at the surface of the concrete floor, and a sample of this material (MECHANIC PIT TOP) was taken for laboratory analysis. The analytical results are summarized in Table 1 and Figure 3 and discussed below. There were no PID readings indicating volatile compounds in this soil layer, and this soil was containerized in a 55-gallon drum for disposal.

After inspection of the mechanics pit, the contractor broke through the floor slab in one location to expose the subsurface soils. The floor slab was between 2 and 2.5 ft thick. Soils below the slab did not exhibit staining, odors, or positive PID readings. A sample (MECHANIC PIT BELOW/MECHANIC PIT BELOW DUP) was taken from the soil immediately beneath the slab and to a depth of approximately 12" below the bottom of the slab for laboratory analysis in order to confirm that the soils below the slab were not impacted by the residual soil material, and the results of this sample are summarized in Table 1 and Figure 3.

Analytical results for the samples from below the mechanics pit floor slab indicate that there were no exceedances of the applicable Part 375-6 SCOs in the soil below the concrete base of the pit. The discolored material removed from the upper surface of the concrete slab contained concentrations of arsenic, chromium, lead, mercury and gamma-BHC (Lindane) in excess of the SCOs for protection of groundwater. The concentration of arsenic also exceeded the SCO for protection of human health. All this soil material was collected and containerized in a 55-galllon DOT-approved drum for disposal. The disposition of this drummed waste is pending a determination that no further soil removal is required in the mechanics pit.

Following inspection and sampling of the pit, the pit was lined with poly sheeting and the existing clean stone fill was placed back into the pit. The opening of the pit was covered with reinforced plywood and anchor bolted to the floor. No further action is recommended for this pit, as sampling and inspection have determined that there are no environmental impacts at this area and all impacted materials have been removed.

The NYSDEC and NCDH have indicated that no further investigation or remediation of the Mechanic's Pit is required. Therefore, Bartlett will cover the pit with reinforced concrete finished at the grade of the existing concrete floor.

2.5 Inspection of Stairway Floor Drain

After the contents of Drywell 3 were removed and before backfill, the contractor removed the 6" perforated cover from the stairway floor drain and proceeded to pour potable water into it to see if it flowed towards the dry well. As the water was introduced to the drain, an individual monitored the interior of Drywell 3 for moisture and intrusion of water from the drain. The water did not flow into Drywell 3. The NCDH representative, who was present during the test, concurred that the drain did not connect to Drywell 3. It appears that the stairway floor drain discharges storm water directly to the subsurface soils immediately under the drain. The NCDH representative requested that a sample be collected from the soils located in the bottom of the drain. This sample (STEP DRAIN) was collected and submitted for analysis of VOCs, SVOCs, pesticides, herbicides, PCBs, and metals.

Analytical results (Table 1 and Figure 3) indicate the soil material in the floor drain contains the polynuclear aromatic hydrocarbon (PAH) compound benzo(a)pyrene at a concentration slightly above the SCO for protection of human health. However, direct human contact with the soil under the stairway floor drain is restricted by the drain cover. The concentrations of two other PAHs, benzo(b)fluoranthene and chrysene, and one metal, chromium, slightly exceed the SCOs for protection of groundwater. The PAHs could be present at these low concentrations due to run-off from the asphalt parking lot and driveway area, and are not

expected to be associated with the historic operations of the site. The chromium impact is just slightly over SCO and is not expected to be an environmental concern. As noted in the technical support document[1] for development of the SCOs, the protection of groundwater SCOs are based on the conservative assumptions that 1) contaminated soil and groundwater are in direct contact, and 2) there is a continuous flow of leachate and an infinite source of contamination. The slight exceedances noted in the soil under the stairway floor drain are unlikely to impact groundwater because the flow of stormwater through these soils is intermittent and the volume of soil through which that flow occurs is limited.

The need for the stairway floor drain will be eliminated by enclosing the rear staircase. Once the enclosure is completed, Bartlett will abandon the drain by removing the metal cover and filling the hole with concrete. The concrete will be finished flush with the stairway floor surface. This abandonment is planned for spring of 2010. Once the abandonment is complete, Bartlett will submit inventory information for the drain to the USEPA in accordance with federal Underground Injection Control (UIC) Program requirements. The drain will be inventoried as a Class V stormwater drainage well with status listed as "Permanently Abandoned and Approved by State." The USEPA Region 2 Ground Water Compliance Section reviewed the analytical results for the soil material in the floor drain and concurred with this approach for abandonment and inventorying.

2.6 Closure and Inspection of Drywell 3

Equipment was mobilized to conduct the removal of the liquids/sediments/soils from Drywell 3. As no information regarding the as-built condition of Drywell 3 was obtained and the actual construction of the system was unknown, the methods to remove the materials from the drywell largely depended on visual observations made in the field during the closure activities. Due to structural concerns related to the adjacent building, as well as the need for the driveway in which the drywell is located in to stay active as the primary means of access to the property for daily operations, the Drywell 3 structure including the access manhole was left intact. This avoided the possibility of compromising the structural stability of the support walls of the adjacent building.

At the start of closure, the Drywell contained standing liquid and sediment at approximately 9.5 ft below ground surface (bgs). The Drywell was probed and resistance was encountered at approximately 12.5 ft bgs. After opening the manhole at the top of the drywell, the contractor introduced approximately 55 gallons of sodium hypochlorite solution to disinfect the materials contained in the drywell. After disinfection, the contents of the drywell were removed using a vacuum (vac) truck. Approximately 2.5 feet in depth of liquids were removed by the vac truck, or approximately 750 gallons of liquid. After removal of the drywell contents, a worker trained in confined space entry entered the Drywell to guide the vac truck hose in removing soils from the open bottom of the drywell structure and confirm that the removal was complete. The worker utilized Level B (supplied air) respiratory protection. Prior to entering the Drywell, the atmosphere was monitored for VOCs, lower explosive limit (LEL), oxygen, carbon monoxide and hydrogen sulfide to verify that conditions were within acceptable limits in accordance with the site-specific HASP. The worker also inspected and photographed the interior of the well. Photographs of the interior of the well are included in Appendix A.

[1] "New York State Brownfield Cleanup Program, Development of Soil Cleanup Objectives, Technical Support Document"; New York State Department of Environmental Conservation and New York State Department of Health; September 2006

The soil removal from the open bottom of the drywell was carefully controlled to avoid undercutting the drywell walls and compromising the stability of the drywell structure and the surrounding soils. Approximately one foot of sandy material was removed from the open bottom of Drywell 3. The final depth of the sediment/soil removal was measured in the field from ground surface to be 12.5 ft bgs. Approximately 6.1 tons of material (combined liquids and solids) were removed (see Appendix B for manifest). The waste materials were transported by the vac truck to CycleChem, Inc. of Elizabeth, New Jersey for stabilization. The stabilized waste material was then transported by CycleChem for disposal at Waste Management, Inc's GROWS/Tullytown Landfill in Pennsylvania (see Appendix B for Certificate of Disposal).

Based on prior investigations, the potential existed for organic constituents to have impacted the soils underlying Drywell 3. Therefore, after the completion of all removal activities and before backfilling the drywell, confirmation samples were collected at the base of the removal area (i.e., the drywell floor). At the request of the DEC, an additional sample was collected at a depth of 18" to 24" below the base of the removal area. Both post-excavation samples were submitted for analysis of VOCs, SVOCs, pesticides, herbicides, and metals. The analytical results (Table 1 and Figure 3) indicate that there were no exceedances of applicable SCOs in the soil remaining under the drywell. Therefore, all potentially impacted materials have been addressed and the closure of Drywell 3 is complete.

After sampling and the inspection of Drywell 3 was complete, the well was backfilled using 50 psi flowable fill (concrete) material to a level immediately below the rim of the manhole (see photodocumentation log, Appendix A). The manhole cover was replaced. The metal castings of the drywell were abandoned in place due to the proximity to the building foundations. Concrete or asphalt paving will be added to the manhole to the level of the surrounding pavement, and the manhole cover will be removed.

3. CONCLUSIONS

During on-site investigation and closure activities, impacted and potentially impacted materials were removed from Drywell 3 and removal activities performed until a clean layer of soil was encountered. Closure confirmation sampling indicated that impacted materials were completely removed. Based on this information, it is BC's recommendation that the Drywell 3 be considered closed.

All impacted soil material was removed from the surface of the concrete floor slab in the Mechanics Pit. Sampling of soil beneath the concrete floor slab of the pit indicated that the soil had not been impacted by the contaminants in the material above the concrete slab. Based on this information, it is BC's recommendation that the Mechanics Pit area be considered closed, and that the pit may be more permanently covered (e.g., paved). The NYSDEC and NCDH have indicated that no further investigation or remediation of the Mechanic's Pit is required. Therefore, Bartlett will cover the pit with reinforced concrete finished at the grade of the existing concrete floor.

The tests performed in the Stairway Floor Drain indicated that there are no connections between this drain and Drywell 3. Sampling and analysis of the soils contained in the stairway floor drain indicate the soil is not expected to be a threat to human health through direct contact or to groundwater quality. The floor drain impacts are expected to be localized and caused primarily by runoff as found in a typical urban environment. Due to the location of this drain, and the relatively low concentrations of compounds which exceed DEC soil cleanup objectives, no further action is recommended for this area. As noted in Section 2.5, once the need for the stairway floor drain is eliminated by enclosing the rear staircase, Bartlett will abandon the drain by removing the metal cover and filling the hole with concrete. Once the abandonment is complete, Bartlett will submit inventory information for the drain to the USEPA in accordance with federal Underground Injection Control (UIC) Program requirements. The drain will be inventoried as a Class V stormwater drainage well with status listed as "Permanently Abandoned and Approved by State."

TABLES

TABLE 1
Subsurface Soil Analytical Results
Closure of Drywell 3 and Mechanic's Pit
Bartlett Tree Company Site
Westbury, New York

Soil Results:

Analyte Group: 1-BTEX/Volatiles	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]									
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	*Units*	*Location:* / *SampleName:*	*Dry Well* *Unspiked*	*Dry Well* *18-24*	*Mechanic Pit* *Top*	*Mechanic Pit* *Below*	*Mechanic Pit* *Below-FD*	*Step* *Drain*
Ethylbenzene	390	1	MG/KG		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	500	0.7	MG/KG		**0.003 J**	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes, total	500	1.6	MG/KG		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U

Analyte Group: 1-Volatiles	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]									
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	*Units*	*Location:* / *SampleName:*	*Dry Well* *Unspiked*	*Dry Well* *18-24*	*Mechanic Pit* *Top*	*Mechanic Pit* *Below*	*Mechanic Pit* *Below-FD*	*Step* *Drain*
Acetone	500	0.05	MG/KG		0.055 UJ	**0.014 J**	0.007 U	0.007 U	0.007 U	0.009 U
Chloroform	350	0.37	MG/KG		0.001 U	**0.001 J**	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	500	0.25	MG/KG		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Ethyl Ketone (2-Butanone)	500	0.12	MG/KG		0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.005 U
Methylene chloride	500	0.05	MG/KG		0.002 U	**0.011**	**0.004 J**	0.002 U	0.002 U	0.002 U
Tetrachloroethene	150	1.3	MG/KG		0.001 U	0.001 U	**0.021**	0.001 U	0.001 U	**0.002 J**
Trichloroethene	200	0.47	MG/KG		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U

Analyte Group: 2-PAHs/SVOCs	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]									
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	*Units*	*Location:* / *SampleName:*	*Dry Well* *Unspiked*	*Dry Well* *18-24*	*Mechanic Pit* *Top*	*Mechanic Pit* *Below*	*Mechanic Pit* *Below-FD*	*Step* *Drain*
Acenaphthylene	500	107	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	0.42 U
Anthracene	500	1000	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	0.42 U
Benzo(a)anthracene	5.6	1	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	**0.97 J**
Benzo(a)pyrene	1	22	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	***1.1 J**
Benzo(b)fluoranthene	5.6	1.7	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	***1.8 J**
Benzo(g,h,i)perylene	500	1000	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	**1 J**
Benzo(k)fluoranthene	56	1.7	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	**0.87 J**
Chrysene	56	1	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	***1.5 J**
Dibenzo(a,h)anthracene	0.56	1000	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	0.42 U

TABLE 1
Subsurface Soil Analytical Results
Closure of Drywell 3 and Mechanic's Pit
Bartlett Tree Company Site
Westbury, New York

Analyte Group: 2-PAHs/SVOCs	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]			*Location:*	*Dry Well*	*Dry Well*	*Mechanic Pit*	*Mechanic Pit*	*Mechanic Pit*	*Step*
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	*Units*	*SampleName:*	*Unspiked*	*18-24*	*Top*	*Below*	*Below-FD*	*Drain*
Fluoranthene	500	1000	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	**2.4**
Indeno(1,2,3-cd)pyrene	5.6	8.2	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	**0.87 J**
Naphthalene	500	12	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	0.42 U
Phenanthrene	500	1000	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	**1.3 J**
Pyrene	500	1000	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	**2.2**

Analyte Group: 2-SVOCs	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]			*Location:*	*Dry Well*	*Dry Well*	*Mechanic Pit*	*Mechanic Pit*	*Mechanic Pit*	*Step*
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	*Units*	*SampleName:*	*Unspiked*	*18-24*	*Top*	*Below*	*Below-FD*	*Drain*
2-methylnaphthalene	NE	NE	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	0.42 U
Benzyl Butyl Phthalate	NE	NE	MG/KG		0.07 U	0.071 U	0.7 U	0.068 U	0.068 U	**2.5**
Bis(2-ethylhexyl)phthalate	NE	NE	MG/KG		0.07 U	0.071 U	**1.6 J**	0.068 U	0.068 U	**10**
Carbazole	NE	NE	MG/KG		0.035 U	0.036 U	0.35 U	0.034 U	0.034 U	0.42 U

Analyte Group: 4-Pesticides/Herbicides	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]			*Location:*	*Dry Well*	*Dry Well*	*Mechanic Pit*	*Mechanic Pit*	*Mechanic Pit*	*Step*
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	*Units*	*SampleName:*	*Unspiked*	*18-24*	*Top*	*Below*	*Below-FD*	*Drain*
2-(2-Methyl-4-chlorophenoxy)propionic acid (MCPP)	NE	NE	MG/KG		0.79 U	0.8 U	**6.6**	0.76 U	0.76 U	0.94 U
2,4 DB	NE	NE	MG/KG		0.0065 U	0.0066 U	**0.064**	**0.0089 J**	0.0063 U	**0.013 J**
2,4,5-T (Trichlorophenoxyacetic Acid)	NE	NE	MG/KG		0.00086 U	0.00087 U	**0.0019**	0.00083 U	0.00083 U	**0.0033**
2,4,5-TP (Silvex)	500	3.8	MG/KG		0.00079 U	0.0008 U	**0.00099 J**	0.00076 U	0.00076 U	0.00094 U
2,4-D	NE	NE	MG/KG		0.013 U	0.013 U	**5.1**	0.012 U	0.012 U	**0.058**
2-Methyl-4-chlorophenoxyacetic acid	NE	NE	MG/KG		0.8 U	0.81 U	0.8 U	0.77 U	0.77 U	0.96 U
4,4'-DDD	92	14	MG/KG		**0.16**	**0.04**	**6.8 J**	**0.013**	**0.015**	**0.76 J**
4,4'-DDE	62	17	MG/KG		**0.018 J**	**0.011**	**1.6 J**	**0.0048 J**	**0.0067 J**	**1.6 J**
4,4'-DDT	47	136	MG/KG		0.0017 U	**0.097**	**22 J**	**0.14**	**0.2**	**5.1 J**
alpha-Chlordane	24	2.9	MG/KG		**0.019**	**0.017**	**0.035 J**	0.00086 U	0.00086 U	**0.06 J**
beta-BHC	3	0.09	MG/KG		0.001 U	0.0002 U	0.02 U	0.00096 U	0.00096 U	0.024 U
Chlorpyrifos	NE	NE	MG/KG		0.023 U	0.023 U	**2.4**	0.022 U	0.022 U	0.55 U

TABLE 1
Subsurface Soil Analytical Results
Closure of Drywell 3 and Mechanic's Pit
Bartlett Tree Company Site
Westbury, New York

Analyte Group: 4-Pesticides/Herbicides	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]			Location:	Dry Well	Dry Well	Mechanic Pit	Mechanic Pit	Mechanic Pit	Step
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	Units	SampleName:	Unspiked	18-24	Top	Below	Below-FD	Drain
Dalapon	NE	NE	MG/KG		0.032 U	**0.035 J**	0.031 U	0.03 U	0.03 U	0.038 U
Dieldrin	1.4	0.1	MG/KG		0.0017 U	0.00035 U	0.035 U	0.0017 U	0.0017 U	0.042 U
Endosulfan II	200	102	MG/KG		0.0017 U	0.00035 U	0.035 U	0.0017 U	0.0017 U	0.042 U
Endrin aldehyde	NE	NE	MG/KG		0.0017 U	0.00035 U	0.035 U	0.0017 U	0.0017 U	0.042 U
Ethion	NE	NE	MG/KG		0.023 U	0.023 U	0.46 U	0.022 U	0.022 U	0.55 U
gamma-BHC (Lindane)	9.2	0.1	MG/KG		0.00089 U	0.00018 U	***0.26 J**	**0.0048**	**0.0064**	0.021 U
gamma-Chlordane	NE	NE	MG/KG		**0.027**	**0.017**	0.018 U	**0.00088 J**	0.00086 U	0.021 U
Methoxychlor	NE	NE	MG/KG		0.0089 U	**0.0037 J**	**1 J**	**0.015 J**	**0.021 J**	**3.4 J**

Analyte Group: 5-Metals	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]			Location:	Dry Well	Dry Well	Mechanic Pit	Mechanic Pit	Mechanic Pit	Step
Analyte Name	Protection of Public Health - Commercial Use	Protection of Groundwater	Units	SampleName:	Unspiked	18-24	Top	Below	Below-FD	Drain
Aluminum	NE	NE	MG/KG		**479 J**	**617**	**4370**	**2430**	**3020**	**3790**
Antimony	NE	NE	MG/KG		1.05 U	1.06 U	**5.35**	0.994 U	0.994 U	1.22 U
Arsenic	16	16	MG/KG		1 U	1 U	***79.2**	**2.2 J**	**0.964 J**	**6.38**
Barium	400	820	MG/KG		**3.4**	**4.57**	**105**	**6.17**	**8.82**	**50.3**
Beryllium	590	47	MG/KG		0.0716 U	0.0718 U	**0.129 J**	**0.0885 J**	**0.0786 J**	0.083 U
Cadmium	9.3	7.5	MG/KG		0.147 U	0.148 U	**5.19**	**0.149 J**	**0.168 J**	**0.735**
Calcium	NE	NE	MG/KG		**29.8**	**66.1**	**5590**	**143**	**191**	**25800**
Chromium	400	19	MG/KG		**0.92 J**	**13.3**	***40.9**	**3.25 J**	**10 J**	***21.2**
Cobalt	NE	NE	MG/KG		0.2 U	0.201 U	**4.95**	**2.32**	**1.73**	**6.72**
Copper	270	1720	MG/KG		**1.35**	**3.01**	**140**	**4.31**	**5.41**	**71.4**
Iron	NE	NE	MG/KG		**615 J**	**648**	**30900**	**3780**	**4000**	**21000**
Lead	1000	450	MG/KG		**1.53 J**	**1.82**	***840**	**6.9**	**7.14**	**46**
Magnesium	NE	NE	MG/KG		**16.8**	**24.7**	**1330**	**514 J**	**1070 J**	**6540**
Manganese	10000	2000	MG/KG		**0.954**	**1.42**	**248**	**142 J**	**79.1 J**	**171**
Mercury	2.8	0.73	MG/KG		**0.0177 J**	0.012 U	***1.42**	**0.0112 J**	**0.0331 J**	**0.102 J**
Nickel	310	130	MG/KG		**0.266 J**	**0.448 J**	**16.3**	**3.03 J**	**5.75 J**	**16.8**
Potassium	NE	NE	MG/KG		**39.3 J**	**52.8 J**	**752**	**246 J**	**418 J**	**533**
Selenium	1500	4	MG/KG		1.03 U	1.03 U	1.02 U	0.974 U	0.974 U	1.2 U
Silver	1500	8.3	MG/KG		0.189 U	0.19 U	0.187 U	0.179 U	0.179 U	**0.929**

TABLE 1
Subsurface Soil Analytical Results
Closure of Drywell 3 and Mechanic's Pit
Bartlett Tree Company Site
Westbury, New York

Analyte Group:	Soil Cleanup Objectives [6 NYCRR Subpart 375-6]									
5-Metals	Protection of Public Health - Commercial Use	Protection of Groundwater		*Location:*	*Dry Well*	*Dry Well*	*Mechanic Pit*	*Mechanic Pit*	*Mechanic Pit*	*Step*
Analyte Name			*Units*	*SampleName:*	*Unspiked*	*18-24*	*Top*	*Below*	*Below-FD*	*Drain*
Sodium	NE	NE	MG/KG		39.3 U	39.4 U	**143**	37.1 U	37.1 U	**158**
Thallium	NE	NE	MG/KG		1.53 U	1.53 U	1.5 U	1.44 U	1.44 U	1.77 U
Vanadium	NE	NE	MG/KG		**0.654**	**1.17**	**11**	**5.6**	**4.68**	**24.3**
Zinc	10000	2480	MG/KG		0.695 U	**3.24**	**312**	**16.6**	**19.6**	**254**

FIGURES

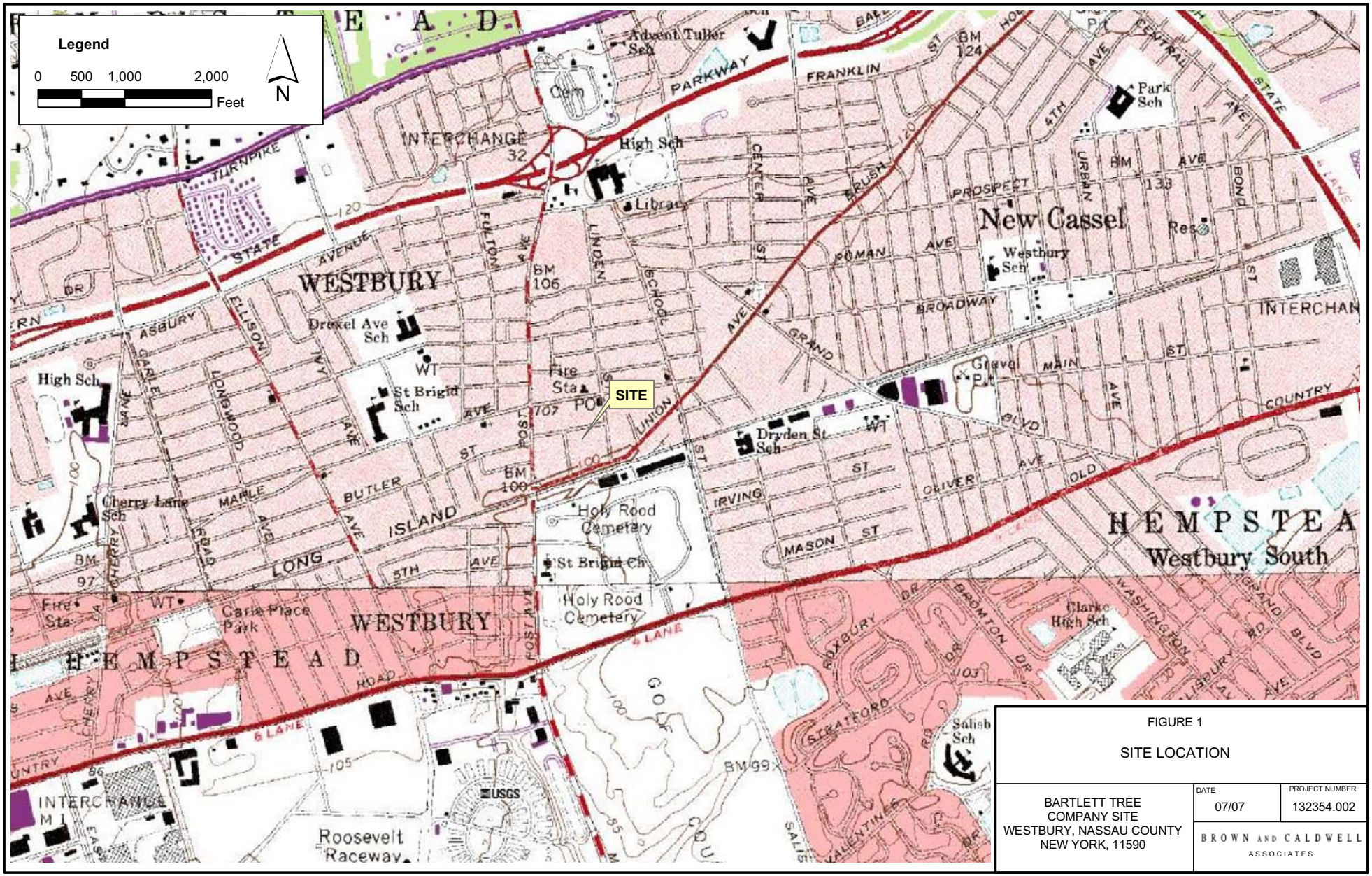


FIGURE 1

SITE LOCATION

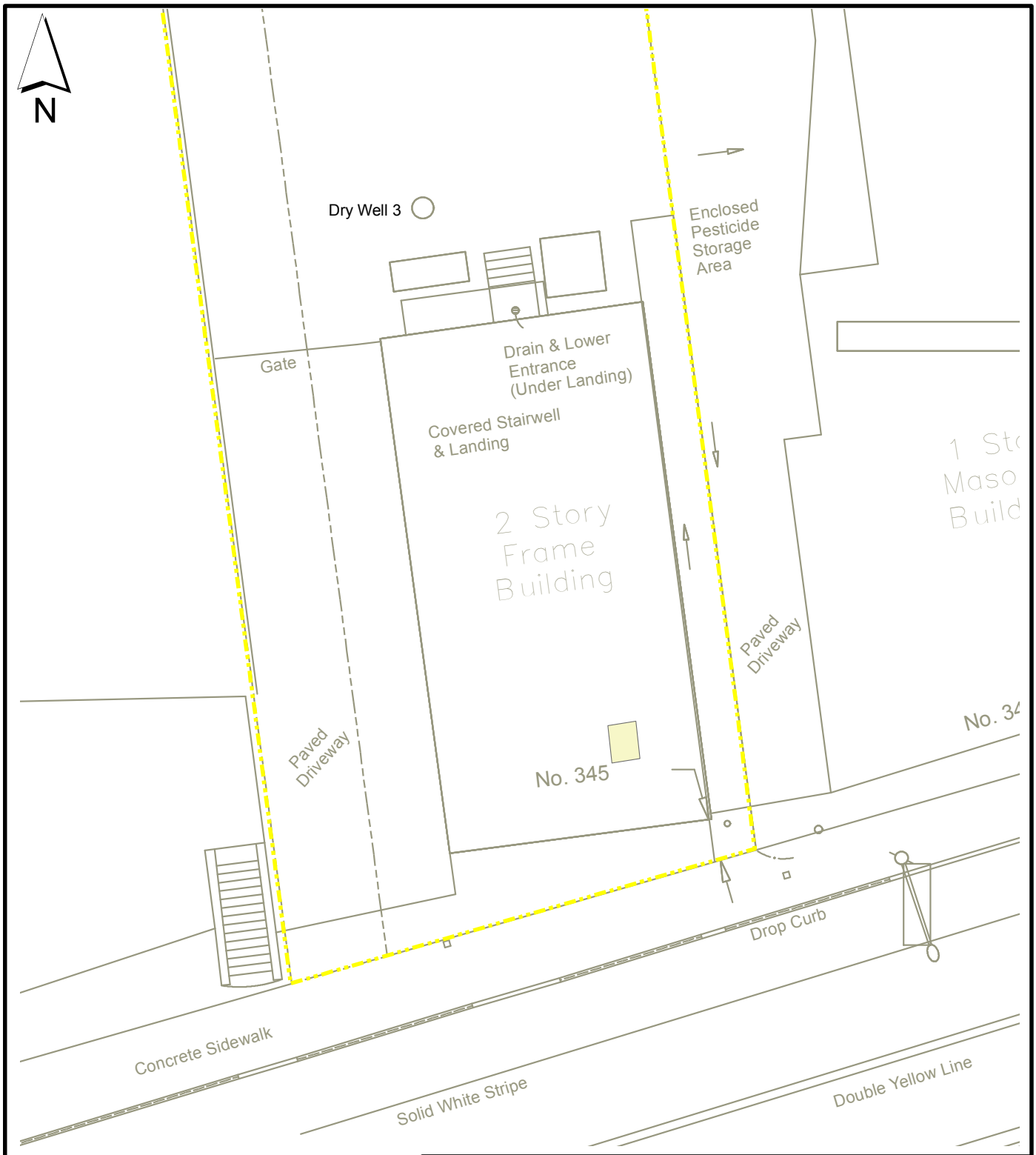
BARTLETT TREE COMPANY SITE
WESTBURY, NASSAU COUNTY
NEW YORK, 11590

DATE: 07/07

PROJECT NUMBER: 132354.002

BROWN AND CALDWELL ASSOCIATES

P:/GIS/Bartlett_Tree/X-Sections.mxd



Legend

- Approximate Location of Mechanics Pit
- Site_Boundary

0 15 30 Feet

FIGURE 2
SITE PLAN AND AREA OF REMEDIATION
DRY WELL 3 AND VICINITY
AUGUST 2009

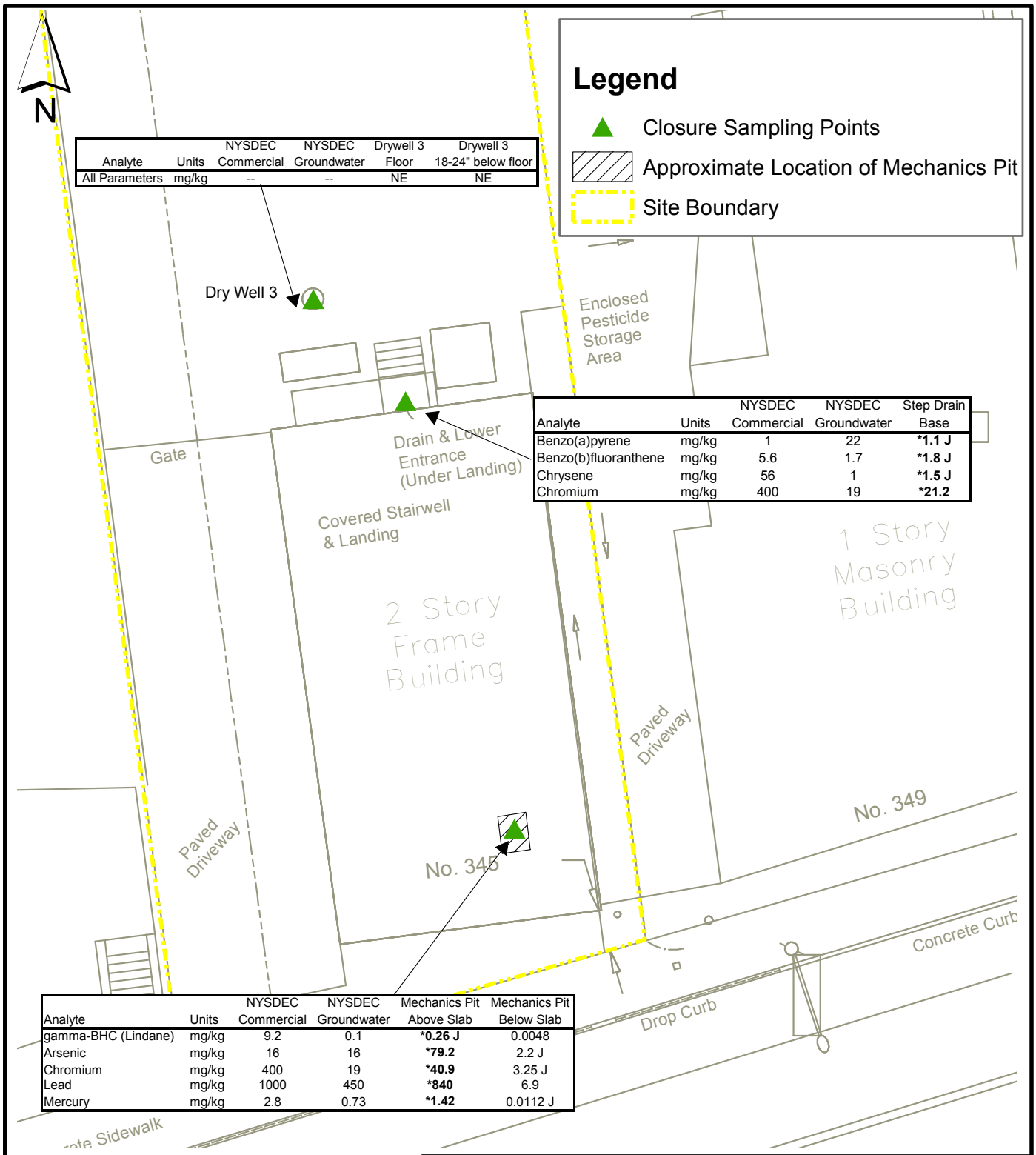
BARTLETT TREE
COMPANY SITE
WESTBURY, NASSAU COUNTY
NEW YORK, 11590

DATE
10/2009

PROJECT NUMBER
137365.401

BROWN AND CALDWELL
ASSOCIATES

P:/GIS/Bartlett_Tree/RAR/ClosureSamplingPts_082009.mxd



Analyte	Units	NYSDEC Commercial	NYSDEC Groundwater	Drywell 3 Floor	Drywell 3 18-24" below floor
All Parameters	mg/kg	--	--	NE	NE

Analyte	Units	NYSDEC Commercial	NYSDEC Groundwater	Step Drain Base
Benzo(a)pyrene	mg/kg	1	22	***1.1 J**
Benzo(b)fluoranthene	mg/kg	5.6	1.7	***1.8 J**
Chrysene	mg/kg	56	1	***1.5 J**
Chromium	mg/kg	400	19	***21.2**

Analyte	Units	NYSDEC Commercial	NYSDEC Groundwater	Mechanics Pit Above Slab	Mechanics Pit Below Slab
gamma-BHC (Lindane)	mg/kg	9.2	0.1	***0.26 J**	0.0048
Arsenic	mg/kg	16	16	***79.2**	2.2 J
Chromium	mg/kg	400	19	***40.9**	3.25 J
Lead	mg/kg	1000	450	***840**	6.9
Mercury	mg/kg	2.8	0.73	***1.42**	0.0112 J

NOTES:
Soil standards are NYSDEC Soil Cleanup Objectives for Commercial Use and Protection of Groundwater.
NE = No Exceedance
***1.7 = Soil Cleanup Objective exceeded**

0 15 30 Feet

FIGURE 3
LOCATIONS OF SOIL EXCEEDANCES
CLOSURE SAMPLING
AUGUST 2009

BARTLETT TREE
COMPANY SITE
WESTBURY, NASSAU COUNTY
NEW YORK, 11590

DATE
10/2009

PROJECT NUMBER
137365.401

BROWN AND CALDWELL
ASSOCIATES

P:/GIS/Bartlett_Tree/GW_Exceedence.mxd

APPENDIX A

Photographic Log of Closure Activities

BARTLETT TREE COMPANY SITE - PHOTOGRAPHIC LOG

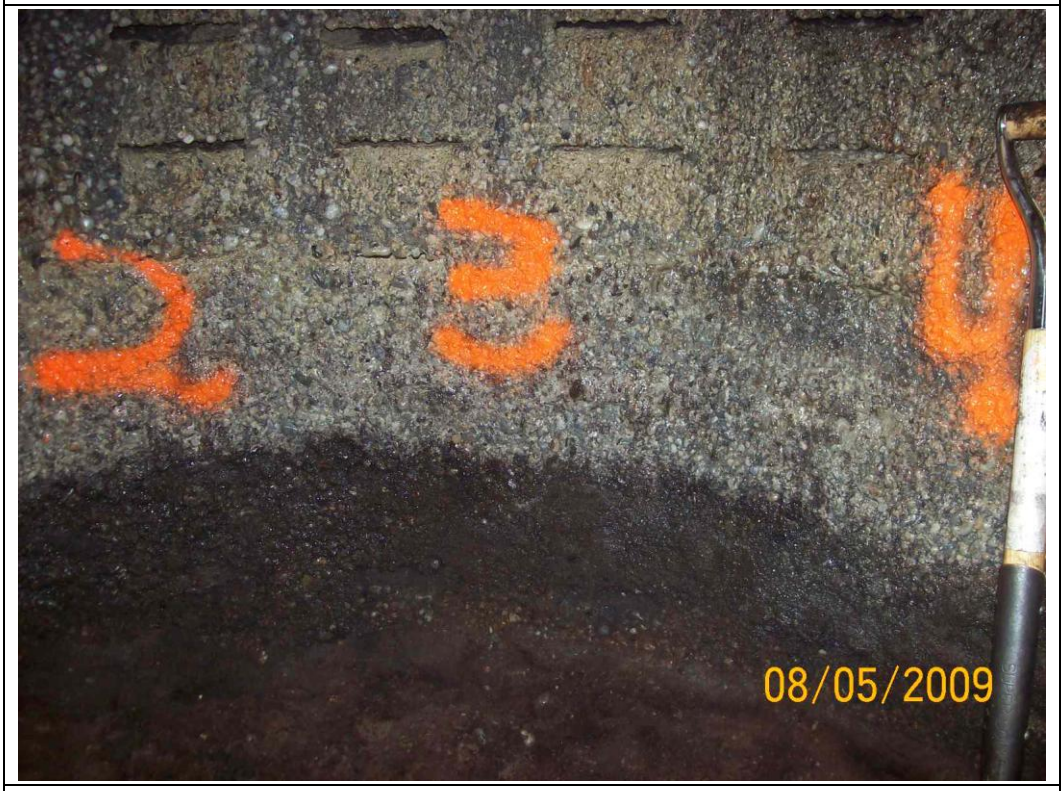
Date: 11/7/06
Description: Location of floor drain in steps.

Date: 11/7/06
Description: Proximity of floor drain and building to Drywell 3.

Date: 8/5/09
Description: Vac truck, removal of liguids and sediments from Drywell 3. Confined space entry equipment staged in work area.

Date: 8/5/090
Description: Preparing to enter Drywell 3 for inspection and removal of soils.

Date: 8/5/09
Description: Air monitoring equipment lowered into Drywell 3 prior to entrance of worker.



Date: 8/5/09
Description: Representative view of segment of Drywall 3 wall during inspection.

Date: 8/5/09
Description: Looking up at manhole entrance of Drywell 3 during inspection.

Date: 8/5/09
Description: Base of cleaned Drywell 3.

Date: 8/5/09
Description: Looking down into cleaned Drywell 3.

Date: 8/5/09
Description: Filling Drywell 3 with flowable filling material.

Date: 8/5/09
Description: Backfilled Drywell 3.

Date: 8/4/09
Description: Exposing fill material in Mechanics pit, preparing for excavation.

Date: 8/4/09
Description: Excavation of fill in Mechanics Pit and placement on poly sheet.

Date: 8/4/09
Description: Looking down into Mechanics Pit, showing concrete slab base and clean soils beneath the slab floor.

Date: 8/4/09
Description: Mechanics Pit lined with poly sheeting and backfilled with clean stone that had been removed during investigation.

Date: 8/4/09
Description: Opening of Mechanics Pit secured with plywood cover.

APPENDIX B

Waste Manifests, Certificates of Disposal and IDW Inventory

CleanVenture/CycleChem

CVCC 135890

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

WO 100266

BILL OF LADING

Page 1 of 1 — 24 Hour Emergency Number (908) 354-0210

Generator's Name and Mailing Address: BARTLETT TREE COMPANY
345 UNION AVENUE
WESTBURY, NY 11590
Generator's Phone ((610) 845-3222

BOL 6113158910

SAME

Transporter 1 Company Name: CLEAN VENTURE INC.
State Trans. ID-NJDEPE 14755
Decal No.- 12169
Transporter's Phone ((908) 355-5800

Transporter 2 Company Name:
State Trans. ID-NJDEPE
Decal No.-
Transporter's Phone ( )

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
10. US EPA ID Number: NJD002200046
Facility's Phone ((908)) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	NON RCRA/NON DOT REGULATED WASTE	XX	T T	ES 1 X4X	T	D072
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

CCI Generator # and Product Codes: 953500/950116/100266/247788 REMOVAL OF DRYWELL CONTENTS (1)PC04-1

REMOVAL OF DRYWELL CONTENTS

Plate AL-360R

AC 148

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

PLACARDS REQUIRED — PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

GENERATOR

Printed/Typed Name	Signature	Month Day Year
Y M Gaman	X	1X8X5X9

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Grard Cyk		1X8X5X9

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
HELEN ELLIS		1080509

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

CleanVenture/CycleChem

CVCC 135891

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

WO 100307

BILL OF LADING

Page 1 of 1 — 24 Hour Emergency Number (908) 354-0210

Generator's Name and Mailing Address: BARTLETT TREE COMPANY
345 UNION AVENUE
WESTBURY, NY 11590
Generator's Phone ((516) 334-0648

BOL

SAME

Transporter 1 Company Name: CLEAN VENTURE INC.
Transporter 2 Company Name:

State Trans. ID-NJDEPE 16755
Decal No.-
Transporter's Phone ((908) 355-5800

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206

10. US EPA ID Number: NJD002200046

State Trans. ID-NJDEPE
Decal No.-
Transporter's Phone ( )
Facility's Phone ((908)) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	NON REGULATED MATERIAL Non-RCRA Non-DOT Drill Cuttings Soil BTC-01 Through BTC-013	X13	D M	650	G P	~~1027~~ ID 72
b.	NON REGULATED WASTE Non-RCRA Non-DOT Purge Water BTC-014 through BTC-018	X5	D M	275	G	ID72
c.	NON REGULATED WASTE Non-RCRA Non-DOT WASTE PPE BTE-019 through BTE-022	X4	D M	250	G P	~~ID72~~ ID27
d.						

J. Additional Descriptions for Materials Listed Above

a. | c.

b. | d.

CCI Generator # and Product Codes: 953544/102/100307/247862 (3)PC01-3 WASTE PPE (2)PC04-1 PURGE WATER (1)PC04-2 DRILLING CUTTINGS CVI Job # 54555-01-09

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

PLACARDS REQUIRED N/A — PLACARDS SUPPLIED ☐ YES ☑ NO- FURNISHED BY CARRIER

GENERATOR

Printed/Typed Name: SCOTT KURKELA — Signature — Month Day Year: 8-5-09

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: J. Kelley — Signature — Month Day Year: 8-5-09

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name: HELEN ELLIS — Signature — Month Day Year: 080509

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Bartlett Tree Company Site
IDW Drum Inventory
August 2009

Date	Drum #	Description
4 Aug. 09	BTE-001	Soil Cuttings
4 Aug. 09	BTE-002	Soil Cuttings
4 Aug. 09	BTE-003	Soil Cuttings
4 Aug. 09	BTE-004	Soil Cuttings
4 Aug. 09	BTE-005	Soil Cuttings
4 Aug. 09	BTE-006	Soil Cuttings
4 Aug. 09	BTE-007	Soil Cuttings
4 Aug. 09	BTE-008	Soil Cuttings
4 Aug. 09	BTE-009	Soil Cuttings
4 Aug. 09	BTE-010	Soil Cuttings
4 Aug. 09	BTE-011	Soil Cuttings
4 Aug. 09	BTE-012	Soil Cuttings
4 Aug. 09	BTE-013	Soil Cuttings
4 Aug. 09	BTE-014	Purge Water
4 Aug. 09	BTE-015	Purge Water
4 Aug. 09	BTE-016	Purge Water
4 Aug. 09	BTE-017	Purge Water
4 Aug. 09	BTE-018	Purge Water
4 Aug. 09	BTE-019	PPE/Debris
4 Aug. 09	BTE-020	PPE/Debris
4 Aug. 09	BTE-021	PPE/Debris
4 Aug. 09	BTE-022	PPE/Debris

NOTE: IDW drums previously staged on Site were opened and relabeled BTE-001 through BTE-022!

CycleChem

Recycling Treatment & Disposal of Hazardous Waste

September 8,2009

BARTLETT TREE COMPANY
345 UNION AVENUE
WESTBURY, NY 11590

Broker:Stephen Marland
EQ NORTHEAST, INC.
PO BOX 617
185 INDUSTRIAL ROAD
WRENTHAM, MA 02093

Re: Certificate of Disposal
BARTLETT TREE COMPANY
345 UNION AVENUE
WESTBURY, NY 11590

Dear Sir/Madam:

This letter is to certify that Cycle Chem, Inc. EPA ID No. NJD002200046 has accepted and processed,the following shipments.This acceptance is In accordance with all State & Federal Regulations and with the requirements Set forth In Cycle Chem's Hazardous Waste Facility Permit.

Date In	Manifest In	Prod Code (Off Spec)	Date Out	Manifest Out	Disposal Facility	Disposal Method	Drum ID	Mgt Code
08/05/2009	CVCC135890-1	PC04- ()	08/06/2009	BOL063049A	WM-PA GROWS/Tullytown Landfill	Landfill	1587323	H132

If there are any further questions about the disposal of your waste, please call (908) 355-5800.

Sincerely
Rick Otto
Rick Otto
General Manager
Cycle Chem, Inc. Representative
EPA ID No. NJD002200046

New Jersey TSDF:
217 South First Street
Elizabeth, NJ 07206
908-355-5800
FAX: 908-355-0562

Corporate Office:
201 South First Street
Elizabeth, NJ 07206
908-355-5800
FAX: 908-355-3495

Pennsylvania TSDF:
550 Industrial Drive
Lewisberry, PA 17339
717-938-4700
Fax: 717-938-3301

Massachusetts TSDF:
General Chemical
138 Leland Street
Framingham, MA 01702
508-872-5000
FAX: 508-875-5271

www.cyclechem.com

CycleChem

Recycling Treatment & Disposal of Hazardous Waste

October 8,2009

Scott Kurarella
BARTLETT TREE COMPANY
345 UNION AVENUE
WESTBURY, NY 11590

Broker: Valued Customer
CLEAN VENTURE
36 BUTLER ST
ELIZABETH, NJ 07206

Re: Certificate of Disposal
BARTLETT TREE COMPANY
345 UNION AVENUE
WESTBURY, NY 11590

Dear Sir/Madam:

This letter is to certify that Cyclechem, Inc. (EPA ID No. NJD002200046) has accepted and processed the following shipments.

This acceptance is in accordance with all state & federal regulations and with the requirements set forth in Cycle Chem's Hazardous Waste Facility Permit.

Prod Code	Manifest In	Date In	Manifest Out	Date Out	Sent	Disposal Facility	Disposal Method
off-spec (orig)							
PC01	CVCC135891	08/05/2009	BOL063194A	08/18/2009	4 x DM	WM-PA GROWS/Tullytown Landfill	landfill
*PC01 (PC04)	CVCC135891	08/05/2009	BOL063194A	08/18/2009	18 x DM	WM-PA GROWS/Tullytown Landfill	landfill

If there are any further questions about the disposal of your waste, please do not hesitate to call.

Sincerely
Rick Otto
Rick Otto
General Manager

New Jersey TSDF:
217 South First Street
Elizabeth, NJ 07206
908-355-5800
FAX: 908-355-0562

Corporate Office:
201 South First Street
Elizabeth, NJ 07206
908-355-5800
FAX: 908-355-3495

Pennsylvania TSDF:
550 Industrial Drive
Lewisberry, PA 17339
717-938-4700
Fax: 717-938-3301

Massachusetts TSDF:
General Chemical
138 Leland Street
Framingham, MA 01702
508-872-5000
FAX: 508-875-5271

www.cyclechem.com

APPENDIX C

Air Monitoring Log

BARTLETT TREE COMPANY SITE
Nassau County, New York

Air Monitoring Log
Closure of Drywell 3 and Mechanics Pit

		Dust		4 Gas	Contr. Operated			PID		Draeger	
Date	Time	CON	TWA	CO	LEL	H2s	O2	Backround	Work Zone	C2H3CL	C6H6
		ug/m3	ug/m3	ppm	%	ppm	%	ppm	ppm	ppm	ppm
4 Aug. 09	10:00	37.2	44.1	NA	NA	NA	NA	0	0	NA	NA
Mech. Pit	10:15	43.7	34.8	NA	NA	NA	NA	0	0	NA	NA
Indoor	10:30	32.6	31.6	NA	NA	NA	NA	0	0	NA	NA
	10:45	32.3	32.7	NA	NA	NA	NA	0	0	NA	NA
	11:00	32	32.6	NA	NA	NA	NA	0	0	NA	NA
	11:15	32.7	31.3	NA	NA	NA	NA	0	0	NA	NA
	11:30	46.8	32.2	NA	NA	NA	NA	0	0	NA	NA
	11:45	37.6	34.4	NA	NA	NA	NA	0	0	NA	NA
	12:00	37.6	34.4	NA	NA	NA	NA	0	0	NA	NA
End of work											
		Dust	Upwind	4 Gas	Contr. Operated			PID		Dust	Dnwind
Date	Time	CON	TWA	CO	LEL	H2s	O2	Backround	Work Zone	CON	TWA
		ug/m3	ug/m3	ppm	%	ppm	%	ppm	ppm	ug/m3	ug/m3
5 Aug. 09	8:30	78.5	78.5					0	0	110.2	113.6
Dry Well	8:50	67.2	77.3					0	0	97.1	103.1
Outdoor	9:10	63.1	71.9					0	0	81.6	96.8
	9:25	54.4	67.6	0	0	0	20.9	0	0	80.4	94.2
	9:45	49.5	61.9	0	0	0	20.9	0	0	65.6	85.8
	10:00	44.8	60	0	0	0	20.9	0	0	66.3	83.4
	10:15	32.1	55.3	0	0	0	20.9	0	0	49.3	77.5
	10:30	31.7	53.6	0	0	0	20.9	0	0	48.3	75
	10:45	26.6	50.7	0	0	0	20.9	0	0	48.5	71.1
	11:00	31.7	49.8	0	0	0	20.9	0	0	41.8	70.1
	11:15	28.5	48	0	0	0	20.9	0	0	48.5	67.9
	11:40	33.4	45.6	0	0	0	20.9	0	0	47.9	64.3
	12:00	34	44.5	0	0	0	20.9	0	0	57.1	62.9
	12:20	46.9	44.6	0	0	0	20.9	0	0	64.5	63.3
	12:35	40.9	44.6	0	0	0	20.9	0	0	62.8	63.3
	12:50	39.6	44.4	End	End	End	End	0	0	61.4	63.1
	13:00	33.3	43.8					0	0	51	62.4
	13:15	33.5	42.9					0	0	54.1	61.4
	13:30	29.5	42.3					0	0	52.2	60.9
	13:45	33.1	41.9					0	0	43.8	60.4
	14:00	33.8	41.6					0	0	46.1	60.2
	14:15	25.5	41.5					0	0	39.3	59.6
	14:30	23.2	40.8					0	0	34.8	58.6
	15:00	32.2	40.2					0	0	44.1	58.1
	End	End	End					End	End	End	End

APPENDIX D

Laboratory Analytical Data Package (CD-ROM)

APPENDIX E

Data Usability Report

BROWN AND CALDWELL
Environmental Engineers & Consultants

QUALITATIVE
DATA USABILITY REPORT
Bartlett Tree Company Site
August 2009 Soil

SDG No.: BTR06

Laboratory: Lancaster Laboratories, Lancaster, Pennsylvania

Site: Bartlett Tree Company Site, Nassau County, New York

Date: August 31, 2009

Samples

Data from the following samples were reviewed:

Laboratory ID	Client ID	Matrix
5743092	Mechanic Pit – Top Grab Soil	Soil
5743093	Mechanic Pit – Below Grab Soil	Soil
5743094	Dry Well Unspiked Grab Soil	Soil
5743095	Dry Well Matrix Spike Grab Soil	Soil
5743096	Dry Well Matrix Spike Dup Grab Soil	Soil
5743097	Dry Well Duplicate Grab Soil	Soil
5743098	Step Drain Grab Soil	Soil
5743099	DUP080509 Grab Soil	Soil
5743100	Dry Well 18-24 Grab Soil	Soil
5743101	FB080509 Grab Water	Water
5743102	TB090509 Water	Water

A Qualitative Data Usability Review was performed on all analytical data from SDG BTR05. The samples were collected at the Bartlett Tree Company Site, in Nassau County, New York. The following table outlines the analytical methods used to analyze the samples;

Analysis	Method
Volatile Organic Compounds (VOC)	SW 846 8260B
Semi-volatile Organic Compounds (SVOC)	SW 846 8270C
Organochlorine Pesticides	SW 846 8081A
PCBs	SW 846 8082
Organophosphorus Pesticides	SW846 8141A
Herbicides	SW 846 8151A
Metals (except mercury)	SW 846 6010B
Mercury	SW 846 7471A

This review was performed in accordance with NYSDEC Guidance for the Development of Data Usability Summary Reports (revised September 1997).

Data Package Completeness

- The data package was received complete as defined under the requirements for the NYSDEC ASP Category B and USEPA CLP deliverables.

Chains of Custody

The Chains-of Custody (COCs) were reviewed for completeness and accuracy. There were no discrepancies noted and all requested analyses were performed.

Organics

The following were reviewed for the organic analyses in this report:

- Case narrative
- Analysis data sheets (Form 1's)
- Holding time and sample preservation

- Surrogate recoveries
- Matrix Spike/Matrix Spike duplicate (MS/MSD) recoveries
- Lab Control Sample/Lab Control Sample duplicate (LCS/LCSD) recoveries
- Blank contamination
- Gas Chromatography/Mass Spectroscopy (GC/MS) tuning
- Initial and continuing calibration summaries
- Internal Standard area and retention time summary forms
- Field duplicate precision
- GC 2nd column confirmation results

Inorganics

The following were reviewed for the organic analyses in this report:

- Case narrative
- Inorganic analysis data sheets (Form 1's)
- Holding time and sample preservation
- Blank contamination
- Initial and continuing calibration summaries
- ICP interference check sample recoveries
- Matrix Spike/Matrix Spike duplicate (MS/MSD) recoveries
- Lab Control Sample/Lab Control Sample duplicate (LCS/LCSD) recoveries
- Laboratory duplicate precision
- ICP serial dilution results
- Field duplicate precision

The items listed above were technically and contractually in compliance with the method and Work Plan requirements, with the exceptions discussed in the following text.

Volatiles by Method 8260B

The laboratory blank contained a reportable level of acetone. Acetone was also detected in the Dry Well sample at less than 10 times the blank amount. The acetone result for Dry Well has been qualified as not detected with an estimated detection limit (UJ).

Semivolatiles by Method 8270C

The matrix spike recovery for 2,4-dinitrophenol in sample Dry Well was zero percent. The 2,4-dinitrophenol result for sample Dry Well has been rejected (R) and is not usable for any purpose.

Metals by Method 6010B

The matrix spike recovery for aluminum in sample Dry Well was above the laboratory control limits. The aluminum result for sample Dry Well has been qualified as estimated with a possible high bias (J).

Sample DUP080509 is a blind field duplicate of sample Mechanic Pit – Below. The following results have been qualified as estimated (J) due to a relative percent difference (RPD) that exceeds 50 percent.

Compound	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	RPD	Qualifier
Arsenic	2.2	0.964 J	79%	J
Chromium	3.25	10	101%	J
Potassium	246	418	52%	J
Magnesium	514	1070	70%	J
Manganese	142	79.1	57%	J
Nickel	3.03	5.75	62%	J

A laboratory replicate analysis was performed on sample Dry Well. The following results have been qualified as estimated (J) due to a relative percent difference (RPD) that exceeds 40 percent.

Compound	Sample Result	Duplicate Result	RPD	Qualifier
Iron	615	398	43%	J

Mercury by Method 7471A

All criteria were in compliance. No data qualification was warranted.

Herbicides by Method 8151A

All criteria were in compliance. No data qualification was warranted.

Organochlorine Pesticides by Method 8081A

The surrogate recoveries for samples Mechanic Pit – Top and Step Drain were above the laboratory's control limits. Detected results for sample Mechanic Pit – Top and Step Drain have been qualified as estimated with a possible high bias (J). The matrix spike recovery of 4,4'-DDE for sample Dry Well was above the laboratory's control limit. The 4,4'-DDE result for sample Dry Well has been qualified as estimated with a possible high bias (J).

PCBs by Method 8082

All criteria were in compliance. No data qualification was warranted.

Organophosphorus Pesticides by Method 8141A

All criteria were in compliance. No data qualification was warranted.

Validation Qualifiers

The following validation qualifiers may have been applied to the data, as appropriate.

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
- U = The analyte was tested, but was not detected above the sample reporting limit.
- R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Summary Evaluation of Data and Potential Usability Issues

Overall, the data is acceptable for the intended purposes. The 2,4-dinitrophenol result for sample Dry Well has been rejected (R) and is not usable for any purpose. All other results are considered usable for the stated purposes. Minor data quality issues with respect to blank contamination, spike recoveries, and duplicate precision were identified; only some required qualification of the data.

Signed: _____ Dated: 9/1/09

Gregory J.Cole
Senior Chemist
Brown and Caldwell
10540 White Rock Road, Suite 180
Rancho Cordova, CA 95670
Direct: (916) 853-5320
Fax: (916) 635-8805

APPENDIX F

DEC Approval of Closure Work Plan

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
50 Circle Road, SUNY @ Stony Brook, New York 11790-3409
Phone: (631) 444-0240 • **FAX:** (631) 444-0248
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

February 23, 2009

Mr. Frank Williams
Supervising Hydrogeologist
Brown and Caldwell Environmental Engineering & Consultants
234 Hudson Avenue
Albany, NY 12210

Re: Bartlett Tree Company #1-30-074
Draft Closure Plan for Drywell #3: February 2009

Dear Mr. Williams,

The New York State Department of Environmental Conservation (NYSDEC), the New York State Department of Health and the Nassau County Department of Health (NCDH) have reviewed the referenced plan and provide the following comment:

- Sections 2.3 & 2.4: The Departments have no objection to collecting and analyzing bottom sediments from the mechanic's pit or the stairway floor drain. However, if these structures are determined to have solid bottoms, it must be determined where their contents discharge to. If the mechanic's pit or stairway floor drain discharge to a leaching structure other than Drywell #3, a bottom sample should be collected from that structure for laboratory analysis in accordance with the work plan.

The NYSDEC hereby approves the work plan. Please remove the word draft from its cover and re-submit it electronically. Please notify the NYSDEC and the NCDH five days prior to field activities so that representatives can be present to oversee the field work. If you should have any questions, please feel free to contact me at (631) 444-0246.

Sincerely,

Jamie Ascher
Engineering Geologist 2

cc: C. Vasudevan
W. Parish
D. Miles
S. Messier
R. Weitzman
J. Lovejoy

APPENDIX G

Waste Profiles

Cycle Chem, Inc.

www.cyclechem.com

217 South 1st St.
Elizabeth, NJ 07206
Phone: (908) 355-5800
Fax: (908) 355-0562

550 Industrial Dr.
Lewisberry, PA 17339
Phone: (717) 938-4700
Fax: (717) 938-3301

General Chemical Corporation

133-138 Leland St., Framingham, MA 01701
Phone: (508) 872-5000 Fax: (508) 875-5271

Material Profile Sheet
Gencode - Stream: _____ - _____
Process Code: _____

A. GENERATOR INFORMATION

EPA ID # _____

GENERATOR NAME: Bartlett Tree Company
MAILING ADDRESS: 345 Union Ave
Westbury, NY 11590
GENERATOR CONTACT: _____
GENERATOR PHONE #: _____
SITE ADDRESS: 345 Union Ave
Westbury, NY 11590
PICKUP COUNTY: Nassau

BILLING COMPANY: _____
BILLING ADDRESS: _____
BILLING CONTACT: _____
BILLING PHONE #: _____ FAX: _____

PROCESS GENERATING WASTE: Removal of Drywell Contents
NAME OF WASTE: _____

B. PHYSICAL CHARACTERISTICS OF WASTE (AT 70o F)

Color/Physical Description: Black / liquid / sludge Drywell Contents
Strong Incidental Odor Present? ☒ Yes ☐ No
Wastewater: ☐ Wastewater ☒ Non-wastewater
Specific Gravity: ≥1
Physical State: ☐ Single Phase ☐ Solid ☐ Gas/Aerosol ☐ Bi-Layered ☐ Liquid ☐ Lab Pack ☒ Multi-Layered ☐ Semi-Solid ☐ Powder ☐ Sludge

Liquid/Solid/Sludge
% Liquid: 70-80
% Suspended Solids: _____
% Sludge: 10-20%
% Solid: 10-20%
Dumpable? ☒ Yes ☐ No
Pumpable? ☒ Yes ☐ No
Pourable? ☒ Yes ☐ No

Flash Point: ☐ Flash Point <74 F ☐ Flash Point 74-100 F ☐ Flash Point 101-140 F ☐ Flash Point 141-200 F ☒ Flash Point >200 F ☐ No Flash Point ☐ Exact Flash Point: _____ ☐ Open cup ☐ Closed cup
Ignitable Solid? ☐ Yes ☒ No
pH: ☐ <2.0 ☐ 2.01-5.0 ☒ 5.01-9.0 ☐ 9.01-12.49 ☐ >12.5 ☐ Exact pH _____

C. CHEMICAL COMPOSITION

ATTACHMENTS: ☐ MSDS attached ☒ Supplemental Analysis ☒ Additonal Information ☐ LDR Attachment

Chemical Composition		Percent	Minimum	Maximum
Napthalene	580 ppm			
Fluorene	150 ppm			
Phenanthrene	270 ppm			
2-methylnaphthalene	1900 ppm			
methylene chloride	7.6 ppm			
Toluene	45 ppm			
Ethylbenzene	68 ppm			
Xylene	2600 ppm			

D. REGULATORY INFORMATION

Is it USEPA haz waste? ☐ Yes ☒ No
USEPA Haz Codes: _____
EPA Sub Categories: _____
Is it STATE waste? ☐ Yes ☒ No
STATE Haz Codes: _____
DOT Hazardous Material? ☐ Yes ☒ No
Proper Shipping Name: NOP-RCRA NOT-DOT REGULATED WASTE
Hazard Class: _____ UN/NA #: _____ P. G.: _____
RQ: _____ ERG#: _____

E. SHIPPING INFORMATION

Shipment Method:
☒ Bulk Liquid - Tanker ☐ Pallet(s) ☐ Drum(Size): _____
☐ Bulk Solid - Dmp Tlr ☐ Tote(s)
☐ Bulk Solid - Roll Off ☐ Cubic Yard Box(s) ☐ Other(Size): _____
Anticipated Volume: 5000 gallons Per one time
Quantity: _____ Price: _____ / Unit: _____

F. SPECIAL HANDLING CONSIDERATIONS

☐ Radioactive ☐ PA RW SQG ☐ No Land Filling
☐ Etiologic/Medical Waste ☐ DRMS/DRMO Waste ☐ Incinerate Only
☐ Fuming ☐ CERCLA Waste ☐ Recycle Only
☐ Phenolics ☐ Asbestos ☐ Other:

G. TRANSPORTER ARRANGEMENTS

☒ CCI/GCC Provides Transportation ○ Other:
○ Customer Delivers to CCI/GCC
○ Customer Delivers to End Facility via CCI/GCC _____

H. OTHER HAZARDOUS CHARACTERISTICS

☐ RCRA REACTIVE ☐ ETIOLOGICAL ☐ EXPLOSIVE/SHOCK SENSITIVE
☐ WATER REACTIVE ☐ TSCA REG ☐ NONE OF THE ABOVE
☐ RADIOACTIVE ☐ OXIDIZING MAT'L
☐ SUBJECT TO SUBPART FF BENZENE REG ☐ PYROPHORIC

Indicate if waste contains any of the following:

	Non-Reg.	or LessThan		or Actual
PCBs	☐	☐	50 PPM	
Cyanides	☐	☐	250 PPM	
Phenolics	☐	☐	50 PPM	
Sulfides	☐	☐	500 PPM	
VOCs	☐	☐	500PPM	
Chlorides	☐	☐	1000 PPM	

1. Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004 through D043)? ○ Yes ☒ No
If YES, please list the constituents and concentrations in section C.

2. Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 Part 2, Section I at concentrations exceeding the UTS treatment standards? ○ Yes ☒ No
If YES, please list the constituents and concentrations in section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI/GCC discovers, after having taken the delivery of the waste, that any waste does not conform to the identification or descriptions contained in this MPS then CCI/GCC shall provide notice to Generator and coordinate the return of the non conforming waste to the point of origin as set forth in the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI/GCC for all handling, packaging, cleanup and transportation costs or charges, damage to equipment and costs associated with lost time incurred by CCI/GCC during the receipt, handling, temporary storage and return of such non conforming waste to its point of origin or to such other location designated by the Generator. I hereby authorize CCI/GCC to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval.

Authorized Signature: Keith A Decker Title: Proj. Director Date: 7/14/09

CCI/GCC APPROVAL	Sales Code	Tech Initials	Date	Management Initials	Date	Residual Waste / Form Code:

Analytical Laboratory Reports

LNAPL (DW-3-OIL)

Sediment (DW-3-SOIL)

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. G55489386 Group No. 1113441

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM

Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 11/07/2008 at 10:49
Discard: 11/22/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTOIL SDG#: BTR03-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
02012	Qualitative GC Fingerprint	n.a.	N.D.			see below	1
	The GC fingerprint for this sample is most similar to our Diesel/ #2 Fuel oil reference chromatogram. When we calculate total sample area in the C8-C40 normal hydrocarbon range as petroleum distillate, it is present at 84% by weight.						
00159	Mercury	7439-97-6	N.D.		0.0311	mg/kg	1
01643	Aluminum	7429-90-5	14.9	J	3.28	mg/kg	1
01650	Calcium	7440-70-2	69.0		5.95	mg/kg	1
01654	Iron	7439-89-6	26.5		4.62	mg/kg	1
01657	Magnesium	7439-95-4	N.D.		2.49	mg/kg	1
01662	Potassium	7440-09-7	N.D.		3.25	mg/kg	1
01667	Sodium	7440-23-5	N.D.		36.6	mg/kg	1
06925	Thallium	7440-28-0	N.D.		6.23	mg/kg	5
	Due to the rigorous nature of the SW-846 3050B digestion for oil samples, the Laboratory Control Sample that was digested with this sample was out of specification low for thallium with a recovery of 33%.						
	The quantitation limit for thallium was raised due to the nature of the sample matrix.						
06935	Arsenic	7440-38-2	4.67		0.931	mg/kg	1
	Due to the rigorous nature of the SW-846 3050B digestion for oil samples, the Laboratory Control Sample that was digested with this sample was out of specification low for arsenic with a recovery of 72%.						
06936	Selenium	7782-49-2	4.73		0.961	mg/kg	1
	Due to the rigorous nature of the SW-846 3050B digestion for oil samples, the Laboratory Control Sample that was digested with this sample was out of specification low for selenium with a recovery of 62%.						
06944	Antimony	7440-36-0	N.D.		0.980	mg/kg	1
	Due to the rigorous nature of the SW-846 3050B digestion for oil samples, the Laboratory Control Sample that was digested with this sample was out of specification low for antimony with a recovery of 21%.						
06946	Barium	7440-39-3	1.19		0.0392	mg/kg	1
06947	Beryllium	7440-41-7	N.D.		0.0667	mg/kg	1
06949	Cadmium	7440-43-9	N.D.		0.137	mg/kg	1
06951	Chromium	7440-47-3	N.D.		0.578	mg/kg	1
06952	Cobalt	7440-48-4	N.D.		0.186	mg/kg	1
06953	Copper	7440-50-8	2.58		0.196	mg/kg	1
06955	Lead	7439-92-1	0.617	J	0.588	mg/kg	1
06961	Nickel	7440-02-0	N.D.		0.598	mg/kg	1
06966	Silver	7440-22-4	N.D.		0.167	mg/kg	1

Lancaster Laboratories Sample No. G55489386 Group No. 1113441

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 11/07/2008 at 10:49
Discard: 11/22/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTOIL SDG#: BTR03-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06971	Vanadium	7440-62-2	N.D.		0.167	mg/kg	1
06972	Zinc	7440-66-6	16.6		0.647	mg/kg	1
00174	PCBs in Oil						
04815	PCB-1016	12674-11-2	N.D.		1,000	ug/kg	1
04816	PCB-1221	11104-28-2	N.D.		600	ug/kg	1
04817	PCB-1232	11141-16-5	N.D.		800	ug/kg	1
04818	PCB-1242	53469-21-9	N.D.		500	ug/kg	1
04819	PCB-1248	12672-29-6	N.D.		1,300	ug/kg	1
04820	PCB-1254	11097-69-1	N.D.		600	ug/kg	1
04821	PCB-1260	11096-82-5	N.D.		1,000	ug/kg	1
01865	Herbicides in Soils						
04174	2,4-D	94-75-7	N.D.		36	ug/kg	1
04175	Dinoseb	88-85-7	N.D.		24	ug/kg	1
04176	2,4,5-TP	93-72-1	N.D.		2.3	ug/kg	1
04177	2,4,5-T	93-76-5	3.0	J	2.5	ug/kg	1
04249	Dalapon	75-99-0	N.D.		90	ug/kg	1
04250	Dicamba	1918-00-9	N.D.		12	ug/kg	1
04251	MCPP (Mecoprop)	93-65-2	N.D.		2,300	ug/kg	1
04252	MCPA	94-74-6	N.D.		11,000	ug/kg	1
04253	2,4-DP (Dichloroprop)	120-36-5	N.D.		24	ug/kg	1
04254	2,4-DB	94-82-6	46	J	19	ug/kg	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.
Due to interfering peaks on the chromatogram, the values reported represent the lowest reporting limits attainable.

06000	TCL Pesticides in Solids						
01218	Gamma BHC - Lindane	58-89-9	N.D.		20	ug/kg	20
01219	Heptachlor	76-44-8	N.D.		20	ug/kg	20
01220	Aldrin	309-00-2	N.D.		40	ug/kg	20
01221	p,p-DDT	50-29-3	N.D.		40	ug/kg	20
01222	Dieldrin	60-57-1	N.D.		40	ug/kg	20
01223	Endrin	72-20-8	N.D.		40	ug/kg	20
01859	Methoxychlor	72-43-5	N.D.		200	ug/kg	20
01981	Alpha BHC	319-84-6	N.D.		20	ug/kg	20
01982	Beta BHC	319-85-7	N.D.		23	ug/kg	20
01983	Delta BHC	319-86-8	N.D.		37	ug/kg	20

Lancaster Laboratories Sample No. G55489386 Group No. 1113441

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 11/07/2008 at 10:49
Discard: 11/22/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTOIL SDG#: BTR03-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01984	Heptachlor Epoxide	1024-57-3	N.D.		20	ug/kg	20
01985	p,p-DDE	72-55-9	N.D.		40	ug/kg	20
01986	p,p-DDD	72-54-8	N.D.		40	ug/kg	20
01988	Toxaphene	8001-35-2	N.D.		1,300	ug/kg	20
01989	Endosulfan I	959-98-8	N.D.		26	ug/kg	20
01990	Endosulfan II	33213-65-9	N.D.		40	ug/kg	20
01991	Endosulfan Sulfate	1031-07-8	N.D.		44	ug/kg	20
01992	Endrin Aldehyde	7421-93-4	N.D.		40	ug/kg	20
03017	Endrin Ketone	53494-70-5	N.D.		40	ug/kg	20
03025	Alpha Chlordane	5103-71-9	89	J	20	ug/kg	20
03026	Gamma Chlordane	5103-74-2	N.D.		100	ug/kg	100
	Due to the nature of the sample matrix, a reduced aliquot and a dilution were used for analysis. The reporting limits were raised accordingly.						
06678	OP Pesticides in Solids						
03077	Ethion	563-12-2	N.D.		6,600	ug/kg	1
03078	Trithion	786-19-6	N.D.		6,600	ug/kg	1
03081	Ethyl Parathion	56-38-2	N.D.		6,600	ug/kg	1
03082	Malathion	121-75-5	N.D.		6,600	ug/kg	1
03657	Famphur	52-85-7	N.D.		6,600	ug/kg	1
06679	Dichlorvos	62-73-7	N.D.		6,600	ug/kg	1
06680	Mevinphos	7786-34-7	N.D.		6,600	ug/kg	1
06681	Demeton-O	298-03-3	N.D.		6,600	ug/kg	1
06682	Ethoprop	13194-48-4	N.D.		6,600	ug/kg	1
06683	Naled	300-76-5	N.D.		6,600	ug/kg	1
06684	Phorate	298-02-2	N.D.		6,600	ug/kg	1
06685	Demeton-S	126-75-0	N.D.		6,600	ug/kg	1
06686	Diazinon	333-41-5	N.D.		6,600	ug/kg	1
06687	Disulfoton	298-04-4	N.D.		6,600	ug/kg	1
06688	Methyl Parathion	298-00-0	N.D.		6,600	ug/kg	1
06689	Ronnel	299-84-3	N.D.		6,600	ug/kg	1
06690	Fenthion	55-38-9	N.D.		6,600	ug/kg	1
06691	Dursban (Chlorpyrifos)	2921-88-2	N.D.		6,600	ug/kg	1
06692	Trichloronate	327-98-0	N.D.		6,600	ug/kg	1
06693	Merphos	150-50-5	N.D.		6,600	ug/kg	1
06694	Stirofos	961-11-5	N.D.		6,600	ug/kg	1
06695	Tokuthion	34643-46-4	N.D.		6,600	ug/kg	1
06696	Fensulfothion	115-90-2	N.D.		15,000	ug/kg	1
06697	Bolstar	35400-43-2	N.D.		6,600	ug/kg	1
06698	Guthion (Azinphos-methyl)	86-50-0	N.D.		6,600	ug/kg	1
06699	Coumaphos	56-72-4	N.D.		6,600	ug/kg	1

Lancaster Laboratories Sample No. G55489386 Group No. 1113441

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM

Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 11/07/2008 at 10:49
Discard: 11/22/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTOIL SDG#: BTR03-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08342	EPN	2104-64-5	N.D.		6,600	ug/kg	1
	The holding time was not met. The sample was submitted to the laboratory outside of the extraction holding time. The client was notified and approved proceeding with the analysis. Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
04688	TCL SW846 Semivolatiles Soil						
01185	Phenol	108-95-2	N.D.		100,000	ug/kg	20
01186	2-Chlorophenol	95-57-8	N.D.		100,000	ug/kg	20
01187	1,4-Dichlorobenzene	106-46-7	N.D.		100,000	ug/kg	20
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.		100,000	ug/kg	20
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.		100,000	ug/kg	20
01190	4-Chloro-3-methylphenol	59-50-7	N.D.		200,000	ug/kg	20
01191	Acenaphthene	83-32-9	N.D.		100,000	ug/kg	20
01192	4-Nitrophenol	100-02-7	N.D.		500,000	ug/kg	20
01193	2,4-Dinitrotoluene	121-14-2	N.D.		200,000	ug/kg	20
01194	Pentachlorophenol	87-86-5	N.D.		500,000	ug/kg	20
01195	Pyrene	129-00-0	N.D.		100,000	ug/kg	20
03746	2-Nitrophenol	88-75-5	N.D.		100,000	ug/kg	20
03747	2,4-Dimethylphenol	105-67-9	N.D.		200,000	ug/kg	20
03748	2,4-Dichlorophenol	120-83-2	N.D.		100,000	ug/kg	20
03749	2,4,6-Trichlorophenol	88-06-2	N.D.		100,000	ug/kg	20
03750	2,4-Dinitrophenol	51-28-5	N.D.		2,000,000	ug/kg	20
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.		500,000	ug/kg	20
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.		100,000	ug/kg	20
03754	1,3-Dichlorobenzene	541-73-1	N.D.		100,000	ug/kg	20
03755	1,2-Dichlorobenzene	95-50-1	N.D.		100,000	ug/kg	20
03757	Hexachloroethane	67-72-1	N.D.		100,000	ug/kg	20
03758	Nitrobenzene	98-95-3	N.D.		100,000	ug/kg	20
03759	Isophorone	78-59-1	N.D.		100,000	ug/kg	20
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.		100,000	ug/kg	20
03761	Naphthalene	91-20-3	580,000		100,000	ug/kg	20
03762	Hexachlorobutadiene	87-68-3	N.D.		200,000	ug/kg	20
03763	Hexachlorocyclopentadiene	77-47-4	N.D.		500,000	ug/kg	20
03764	2-Chloronaphthalene	91-58-7	N.D.		100,000	ug/kg	20
03765	Acenaphthylene	208-96-8	N.D.		100,000	ug/kg	20
03766	Dimethylphthalate	131-11-3	N.D.		200,000	ug/kg	20
03767	2,6-Dinitrotoluene	606-20-2	N.D.		100,000	ug/kg	20
03768	Fluorene	86-73-7	150,000	J	100,000	ug/kg	20
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.		100,000	ug/kg	20

Lancaster Laboratories Sample No. G55489386 Group No. 1113441

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 11/07/2008 at 10:49
Discard: 11/22/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTOIL SDG#: BTR03-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
03770	Diethylphthalate	84-66-2	N.D.		200,000	ug/kg	20
03772	N-Nitrosodiphenylamine	86-30-6	N.D.		100,000	ug/kg	20
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
03773	4-Bromophenyl-phenylether	101-55-3	N.D.		100,000	ug/kg	20
03774	Hexachlorobenzene	118-74-1	N.D.		100,000	ug/kg	20
03775	Phenanthrene	85-01-8	270,000	J	100,000	ug/kg	20
03776	Anthracene	120-12-7	N.D.		100,000	ug/kg	20
03777	Di-n-butylphthalate	84-74-2	N.D.		200,000	ug/kg	20
03778	Fluoranthene	206-44-0	N.D.		100,000	ug/kg	20
03780	Butylbenzylphthalate	85-68-7	N.D.		200,000	ug/kg	20
03781	Benzo(a)anthracene	56-55-3	N.D.		100,000	ug/kg	20
03782	Chrysene	218-01-9	N.D.		100,000	ug/kg	20
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.		300,000	ug/kg	20
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		200,000	ug/kg	20
03785	Di-n-octylphthalate	117-84-0	N.D.		200,000	ug/kg	20
03786	Benzo(b)fluoranthene	205-99-2	N.D.		100,000	ug/kg	20
03787	Benzo(k)fluoranthene	207-08-9	N.D.		100,000	ug/kg	20
03788	Benzo(a)pyrene	50-32-8	N.D.		100,000	ug/kg	20
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		100,000	ug/kg	20
03790	Dibenz(a,h)anthracene	53-70-3	N.D.		100,000	ug/kg	20
03791	Benzo(g,h,i)perylene	191-24-2	N.D.		100,000	ug/kg	20
04690	2-Methylphenol	95-48-7	N.D.		200,000	ug/kg	20
04691	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.		100,000	ug/kg	20
04692	4-Methylphenol	106-44-5	N.D.		200,000	ug/kg	20
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
04693	4-Chloroaniline	106-47-8	N.D.		200,000	ug/kg	20
04694	2-Methylnaphthalene	91-57-6	1,900,000		100,000	ug/kg	20
04695	2,4,5-Trichlorophenol	95-95-4	N.D.		200,000	ug/kg	20
04696	2-Nitroaniline	88-74-4	N.D.		100,000	ug/kg	20
04697	3-Nitroaniline	99-09-2	N.D.		200,000	ug/kg	20
04698	Dibenzofuran	132-64-9	N.D.		100,000	ug/kg	20
04700	4-Nitroaniline	100-01-6	N.D.		200,000	ug/kg	20
04702	Carbazole	86-74-8	N.D.		100,000	ug/kg	20

Due to sample matrix interferences observed during the extraction, the normal reporting limits were not attained.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

Lancaster Laboratories Sample No. G55489386 Group No. 1113441

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM

Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 11/07/2008 at 10:49
Discard: 11/22/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTOIL SDG#: BTR03-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06292	TCL by 8260 (soil)						
05444	Chloromethane	74-87-3	N.D.		5,000	ug/kg	2500
05445	Vinyl Chloride	75-01-4	N.D.		2,500	ug/kg	2500
05446	Bromomethane	74-83-9	N.D.		5,000	ug/kg	2500
05447	Chloroethane	75-00-3	N.D.		5,000	ug/kg	2500
05449	1,1-Dichloroethene	75-35-4	N.D.		2,500	ug/kg	2500
05450	Methylene Chloride	75-09-2	7,600	J	5,000	ug/kg	2500
05451	trans-1,2-Dichloroethene	156-60-5	N.D.		2,500	ug/kg	2500
05452	1,1-Dichloroethane	75-34-3	N.D.		2,500	ug/kg	2500
05454	cis-1,2-Dichloroethene	156-59-2	N.D.		2,500	ug/kg	2500
05455	Chloroform	67-66-3	N.D.		2,500	ug/kg	2500
05457	1,1,1-Trichloroethane	71-55-6	N.D.		2,500	ug/kg	2500
05458	Carbon Tetrachloride	56-23-5	N.D.		2,500	ug/kg	2500
05460	Benzene	71-43-2	N.D.		1,300	ug/kg	2500
05461	1,2-Dichloroethane	107-06-2	N.D.		2,500	ug/kg	2500
05462	Trichloroethene	79-01-6	N.D.		2,500	ug/kg	2500
05463	1,2-Dichloropropane	78-87-5	N.D.		2,500	ug/kg	2500
05465	Bromodichloromethane	75-27-4	N.D.		2,500	ug/kg	2500
05466	Toluene	108-88-3	45,000		2,500	ug/kg	2500
05467	1,1,2-Trichloroethane	79-00-5	N.D.		2,500	ug/kg	2500
05468	Tetrachloroethene	127-18-4	N.D.		2,500	ug/kg	2500
05470	Dibromochloromethane	124-48-1	N.D.		2,500	ug/kg	2500
05472	Chlorobenzene	108-90-7	N.D.		2,500	ug/kg	2500
05474	Ethylbenzene	100-41-4	68,000		2,500	ug/kg	2500
05477	Styrene	100-42-5	N.D.		2,500	ug/kg	2500
05478	Bromoform	75-25-2	N.D.		2,500	ug/kg	2500
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2,500	ug/kg	2500
06293	Acetone	67-64-1	N.D.		18,000	ug/kg	2500
06294	Carbon Disulfide	75-15-0	N.D.		2,500	ug/kg	2500
06296	2-Butanone	78-93-3	N.D.		10,000	ug/kg	2500
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.		2,500	ug/kg	2500
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.		2,500	ug/kg	2500
06299	4-Methyl-2-pentanone	108-10-1	N.D.		7,500	ug/kg	2500
06300	2-Hexanone	591-78-6	N.D.		7,500	ug/kg	2500
06301	Xylene (Total)	1330-20-7	2,600,000		25,000	ug/kg	25000

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories Sample No. G55489386 **Group No. 1113441**

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM

Account Number: 09286

Submitted: 10/04/2008 10:30
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Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTOIL SDG#: BTR03-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02012	Qualitative GC Fingerprint	SW-846 8015B modified	1	10/13/2008 17:52	Heather E Williams	1
00159	Mercury	SW-846 7471A	1	10/14/2008 10:01	Damary Valentin	1
01643	Aluminum	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
01650	Calcium	SW-846 6010B	1	10/31/2008 03:36	Tara L Snyder	1
01654	Iron	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
01657	Magnesium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
01662	Potassium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
01667	Sodium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06925	Thallium	SW-846 6010B	1	10/31/2008 06:13	Joanne M Gates	5
06935	Arsenic	SW-846 6010B	1	10/26/2008 00:48	Thomas F McLamb Sr	1
06936	Selenium	SW-846 6010B	1	10/26/2008 00:48	Thomas F McLamb Sr	1
06944	Antimony	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06946	Barium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06947	Beryllium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06949	Cadmium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06951	Chromium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06952	Cobalt	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06953	Copper	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06955	Lead	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06961	Nickel	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06966	Silver	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06971	Vanadium	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
06972	Zinc	SW-846 6010B	1	10/20/2008 01:24	Tara L Snyder	1
00174	PCBs in Oil	SW-846 8082	1	10/10/2008 05:27	Jamie L Brillhart	1
01865	Herbicides in Soils	SW-846 8151A	1	10/15/2008 09:15	Tricia M Gusbar	1
06000	TCL Pesticides in Solids	SW-846 8081A	1	10/20/2008 23:13	Lindsey K Lafferty	20
06000	TCL Pesticides in Solids	SW-846 8081A	1	10/20/2008 23:24	Lindsey K Lafferty	100
06678	OP Pesticides in Solids	SW-846 8141A	1	10/23/2008 23:04	Michele D Hamilton	1
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	10/15/2008 15:12	Joseph M Gambler	20
06292	TCL by 8260 (soil)	SW-846 8260B	1	10/15/2008 16:27	Angela D Sneeringer	2500
06292	TCL by 8260 (soil)	SW-846 8260B	1	10/15/2008 16:50	Angela D Sneeringer	25000
00373	DP 21 Bulk Prep of Oil Samples	SW-846 5030A	1	10/14/2008 10:03	Lori L Reilling	n.a.
00381	BNA Soil Extraction	SW-846 3550B	2	10/14/2008 22:40	Patricia L Foreman	1
00815	Oil Sample PCB's Cleanup Ext.	SW-846 3580A	1	10/08/2008 11:30	Heidi L Ortenzi	1
01015	Oil Metals Digestion	SW-846 3050B modified	1	10/13/2008 18:00	Annamaria Stipkovits	1
01015	Oil Metals Digestion	SW-846 3050B modified	2	10/29/2008 18:20	Annamaria Stipkovits	1

Lancaster Laboratories Sample No. G55489386 Group No. 1113441

DW-3-OIL Grab Oil Sample
Bartlett Tree

Collected:10/03/2008 12:20 by CM Account Number: 09286

Submitted: 10/04/2008 10:30
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Discard: 11/22/2008

Brown & Caldwell
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Albany NY 12210

BTOIL SDG#: BTR03-14

04181	Herbicide Soil Extraction	SW-846 3550B/SW-846 8151A	1	10/09/2008 22:30	Olivia I Santiago	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	10/13/2008 22:45	Annamaria Stipkovits	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	10/13/2008 09:00	Deborah M Zimmerman	1
06677	OP Pesticides Solid Extraction	SW-846 3540C	1	10/21/2008 09:00	Deborah M Zimmerman	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW5489367 Group No. 1113440

DW-3 Grab Soil Sample
Bartlett Tree

Collected:10/01/2008 15:35 by CM Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 10/29/2008 at 09:35
Discard: 11/13/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTDW3 SDG#: BTR02-07

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Method Detection Limit	Units	Dilution Factor
00159	Mercury	7439-97-6	0.510		0.0204	mg/kg	1
01643	Aluminum	7429-90-5	641		5.95	mg/kg	1
01650	Calcium	7440-70-2	714		10.9	mg/kg	1
01654	Iron	7439-89-6	1,420		8.37	mg/kg	1
01657	Magnesium	7439-95-4	116		4.51	mg/kg	1
01662	Potassium	7440-09-7	91.1		5.88	mg/kg	1
01667	Sodium	7440-23-5	73.3	J	66.3	mg/kg	1
06925	Thallium	7440-28-0	N.D.		2.26	mg/kg	1
06935	Arsenic	7440-38-2	N.D.		1.69	mg/kg	1
06936	Selenium	7782-49-2	N.D.		1.74	mg/kg	1
06944	Antimony	7440-36-0	N.D.		1.78	mg/kg	1
06946	Barium	7440-39-3	33.7		0.0711	mg/kg	1
06947	Beryllium	7440-41-7	N.D.		0.121	mg/kg	1
06949	Cadmium	7440-43-9	2.50		0.249	mg/kg	1
06951	Chromium	7440-47-3	4.27		1.05	mg/kg	1
06952	Cobalt	7440-48-4	N.D.		0.338	mg/kg	1
06953	Copper	7440-50-8	188		0.356	mg/kg	1
06955	Lead	7439-92-1	59.0		1.07	mg/kg	1
06958	Manganese	7439-96-5	8.33		0.0995	mg/kg	1
06961	Nickel	7440-02-0	4.91		1.08	mg/kg	1
06966	Silver	7440-22-4	0.608	J	0.302	mg/kg	1
06971	Vanadium	7440-62-2	1.24		0.302	mg/kg	1
06972	Zinc	7440-66-6	108		1.17	mg/kg	1
00111	Moisture	n.a.	44.3		0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
01865	Herbicides in Soils						
04174	2,4-D	94-75-7	N.D.		22	ug/kg	1
04175	Dinoseb	88-85-7	N.D.		14	ug/kg	1
04176	2,4,5-TP	93-72-1	N.D.		1.3	ug/kg	1
04177	2,4,5-T	93-76-5	N.D.		1.5	ug/kg	1
04249	Dalapon	75-99-0	N.D.		54	ug/kg	1
04250	Dicamba	1918-00-9	N.D.		7.2	ug/kg	1
04251	MCPP (Mecoprop)	93-65-2	29,000		1,300	ug/kg	1
04252	MCPA	94-74-6	N.D.		1,400	ug/kg	1
04253	2,4-DP (Dichloroprop)	120-36-5	N.D.		14	ug/kg	1
04254	2,4-DB	94-82-6	N.D.		11	ug/kg	1
02033	PCBs in Soil						

Lancaster Laboratories Sample No. SW5489367 Group No. 1113440

DW-3 Grab Soil Sample
Bartlett Tree

Collected:10/01/2008 15:35 by CM Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 10/29/2008 at 09:35
Discard: 11/13/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTDW3 SDG#: BTR02-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
01993	PCB-1016	12674-11-2	N.D.	296	ug/kg	50
01994	PCB-1221	11104-28-2	N.D.	1,260	ug/kg	50
01995	PCB-1232	11141-16-5	N.D.	476	ug/kg	50
01996	PCB-1242	53469-21-9	N.D.	691	ug/kg	50
01997	PCB-1248	12672-29-6	N.D.	503	ug/kg	50
01998	PCB-1254	11097-69-1	N.D.	1,530	ug/kg	50
01999	PCB-1260	11096-82-5	N.D.	566	ug/kg	50
	Due to interfering peaks on the chromatogram, the value reported for PCB-1254 represents the lowest reporting limit attainable. Despite numerous cleanup methods, our usual reporting limit was not attained. Due to the nature of the sample extract matrix, a dilution was used for the analysis. The reporting limits were raised accordingly.					
06000	TCL Pesticides in Solids					
01218	Gamma BHC - Lindane	58-89-9	N.D.	6.0	ug/kg	10
01219	Heptachlor	76-44-8	N.D.	6.0	ug/kg	10
01220	Aldrin	309-00-2	N.D.	12	ug/kg	10
01221	p,p-DDT	50-29-3	380	12	ug/kg	10
01222	Dieldrin	60-57-1	N.D.	12	ug/kg	10
01223	Endrin	72-20-8	N.D.	12	ug/kg	10
01859	Methoxychlor	72-43-5	N.D.	60	ug/kg	10
01981	Alpha BHC	319-84-6	N.D.	6.0	ug/kg	10
01982	Beta BHC	319-85-7	46	6.7	ug/kg	10
01983	Delta BHC	319-86-8	N.D.	11	ug/kg	10
01984	Heptachlor Epoxide	1024-57-3	N.D.	6.0	ug/kg	10
01985	p,p-DDE	72-55-9	420	12	ug/kg	10
01986	p,p-DDD	72-54-8	760	120	ug/kg	100
01988	Toxaphene	8001-35-2	N.D.	390	ug/kg	10
01989	Endosulfan I	959-98-8	N.D.	7.8	ug/kg	10
01990	Endosulfan II	33213-65-9	N.D.	12	ug/kg	10
01991	Endosulfan Sulfate	1031-07-8	N.D.	12	ug/kg	10
01992	Endrin Aldehyde	7421-93-4	N.D.	12	ug/kg	10
03017	Endrin Ketone	53494-70-5	N.D.	12	ug/kg	10
03025	Alpha Chlordane	5103-71-9	1,300	60	ug/kg	100
03026	Gamma Chlordane	5103-74-2	1,500	60	ug/kg	100
	Due to insufficient sample size, we were unable to report our usual reporting limits. The values reported represent the lowest reporting limits attainable.					
06678	OP Pesticides in Solids					

Lancaster Laboratories Sample No. SW5489367 Group No. 1113440

DW-3 Grab Soil Sample
Bartlett Tree

Collected:10/01/2008 15:35 by CM Account Number: 09286

Submitted: 10/04/2008 10:30
Reported: 10/29/2008 at 09:35
Discard: 11/13/2008

Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTDW3 SDG#: BTR02-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
03077	Ethion	563-12-2	N.D.	39	ug/kg	1
03078	Trithion	786-19-6	N.D.	39	ug/kg	1
03081	Ethyl Parathion	56-38-2	N.D.	39	ug/kg	1
03082	Malathion	121-75-5	N.D.	39	ug/kg	1
03657	Famphur	52-85-7	N.D.	39	ug/kg	1
06679	Dichlorvos	62-73-7	N.D.	39	ug/kg	1
06680	Mevinphos	7786-34-7	N.D.	39	ug/kg	1
06681	Demeton-O	298-03-3	N.D.	39	ug/kg	1
06682	Ethoprop	13194-48-4	N.D.	39	ug/kg	1
06683	Naled	300-76-5	N.D.	39	ug/kg	1
06684	Phorate	298-02-2	N.D.	39	ug/kg	1
06685	Demeton-S	126-75-0	N.D.	39	ug/kg	1
06686	Diazinon	333-41-5	N.D.	39	ug/kg	1
06687	Disulfoton	298-04-4	N.D.	39	ug/kg	1
06688	Methyl Parathion	298-00-0	N.D.	39	ug/kg	1
06689	Ronnel	299-84-3	N.D.	39	ug/kg	1
06690	Fenthion	55-38-9	N.D.	39	ug/kg	1
06691	Dursban (Chlorpyrifos)	2921-88-2	N.D.	39	ug/kg	1
06692	Trichloronate	327-98-0	N.D.	39	ug/kg	1
06693	Merphos	150-50-5	N.D.	39	ug/kg	1
06694	Stirophos	961-11-5	N.D.	39	ug/kg	1
06695	Tokuthion	34643-46-4	N.D.	39	ug/kg	1
06696	Fensulfothion	115-90-2	N.D.	90	ug/kg	1
06697	Bolstar	35400-43-2	N.D.	39	ug/kg	1
06698	Guthion (Azinphos-methyl)	86-50-0	N.D.	39	ug/kg	1
06699	Coumaphos	56-72-4	N.D.	39	ug/kg	1
08342	EPN	2104-64-5	N.D.	39	ug/kg	1
	Due to a laboratory error, the sample was inadvertently spiked with the wrong compounds. A reextraction was performed outside the sample hold time, so all results are reported from the original extract. Similar results were obtained in both extracts.					
04688	TCL SW846 Semivolatiles Soil					
01185	Phenol	108-95-2	N.D.	60	ug/kg	1
01186	2-Chlorophenol	95-57-8	N.D.	60	ug/kg	1
01187	1,4-Dichlorobenzene	106-46-7	N.D.	60	ug/kg	1
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	60	ug/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	60	ug/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	120	ug/kg	1
01191	Acenaphthene	83-32-9	N.D.	60	ug/kg	1

Lancaster Laboratories Sample No. SW5489367 Group No. 1113440

DW-3 Grab Soil Sample
Bartlett Tree

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Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTDW3 SDG#: BTR02-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
01192	4-Nitrophenol	100-02-7	N.D.	300	ug/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	120	ug/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	300	ug/kg	1
01195	Pyrene	129-00-0	N.D.	60	ug/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	60	ug/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	120	ug/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	60	ug/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	60	ug/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	1,200	ug/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	300	ug/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	60	ug/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	60	ug/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	60	ug/kg	1
03757	Hexachloroethane	67-72-1	N.D.	60	ug/kg	1
03758	Nitrobenzene	98-95-3	N.D.	60	ug/kg	1
03759	Isophorone	78-59-1	N.D.	60	ug/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	60	ug/kg	1
03761	Naphthalene	91-20-3	5,100	60	ug/kg	1
03762	Hexachlorobutadiene	87-68-3	N.D.	120	ug/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	300	ug/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	60	ug/kg	1
03765	Acenaphthylene	208-96-8	N.D.	60	ug/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	120	ug/kg	1
03767	2,6-Dinitrotoluene	606-20-2	N.D.	60	ug/kg	1
03768	Fluorene	86-73-7	N.D.	60	ug/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	60	ug/kg	1
03770	Diethylphthalate	84-66-2	N.D.	120	ug/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	60	ug/kg	1
	N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.					
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	60	ug/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	60	ug/kg	1
03775	Phenanthrene	85-01-8	440	60	ug/kg	1
03776	Anthracene	120-12-7	N.D.	60	ug/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	120	ug/kg	1
03778	Fluoranthene	206-44-0	N.D.	60	ug/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	120	ug/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	60	ug/kg	1
03782	Chrysene	218-01-9	N.D.	60	ug/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	180	ug/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	1,600	120	ug/kg	1

Lancaster Laboratories Sample No. SW5489367 Group No. 1113440

DW-3 Grab Soil Sample
Bartlett Tree

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Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTDW3 SDG#: BTR02-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
03785	Di-n-octylphthalate	117-84-0	N.D.	120	ug/kg	1
03786	Benzo(b)fluoranthene	205-99-2	N.D.	60	ug/kg	1
03787	Benzo(k)fluoranthene	207-08-9	N.D.	60	ug/kg	1
03788	Benzo(a)pyrene	50-32-8	N.D.	60	ug/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	60	ug/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	60	ug/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	60	ug/kg	1
04690	2-Methylphenol	95-48-7	N.D.	120	ug/kg	1
04691	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	60	ug/kg	1
04692	4-Methylphenol	106-44-5	N.D.	120	ug/kg	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
04693	4-Chloroaniline	106-47-8	N.D.	120	ug/kg	1
04694	2-Methylnaphthalene	91-57-6	4,500	60	ug/kg	1
04695	2,4,5-Trichlorophenol	95-95-4	N.D.	120	ug/kg	1
04696	2-Nitroaniline	88-74-4	N.D.	60	ug/kg	1
04697	3-Nitroaniline	99-09-2	N.D.	120	ug/kg	1
04698	Dibenzofuran	132-64-9	N.D.	60	ug/kg	1
04700	4-Nitroaniline	100-01-6	N.D.	120	ug/kg	1
04702	Carbazole	86-74-8	N.D.	60	ug/kg	1
06292	TCL by 8260 (soil)					
05444	Chloromethane	74-87-3	N.D.	180	ug/kg	49.5
05445	Vinyl Chloride	75-01-4	N.D.	89	ug/kg	49.5
05446	Bromomethane	74-83-9	N.D.	180	ug/kg	49.5
05447	Chloroethane	75-00-3	N.D.	180	ug/kg	49.5
05449	1,1-Dichloroethene	75-35-4	N.D.	89	ug/kg	49.5
05450	Methylene Chloride	75-09-2	N.D.	180	ug/kg	49.5
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	89	ug/kg	49.5
05452	1,1-Dichloroethane	75-34-3	N.D.	89	ug/kg	49.5
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	89	ug/kg	49.5
05455	Chloroform	67-66-3	N.D.	89	ug/kg	49.5
05457	1,1,1-Trichloroethane	71-55-6	N.D.	89	ug/kg	49.5
05458	Carbon Tetrachloride	56-23-5	N.D.	89	ug/kg	49.5
05460	Benzene	71-43-2	N.D.	44	ug/kg	49.5
05461	1,2-Dichloroethane	107-06-2	N.D.	89	ug/kg	49.5
05462	Trichloroethene	79-01-6	N.D.	89	ug/kg	49.5
05463	1,2-Dichloropropane	78-87-5	N.D.	89	ug/kg	49.5
05465	Bromodichloromethane	75-27-4	N.D.	89	ug/kg	49.5
05466	Toluene	108-88-3	3,700	89	ug/kg	49.5

Lancaster Laboratories Sample No. SW5489367 Group No. 1113440

DW-3 Grab Soil Sample
Bartlett Tree

Collected:10/01/2008 15:35 by CM

Account Number: 09286

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Brown & Caldwell
234 Hudson Ave.
Albany NY 12210

BTDW3 SDG#: BTR02-07

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05467	1,1,2-Trichloroethane	79-00-5	N.D.	89	ug/kg	49.5
05468	Tetrachloroethene	127-18-4	N.D.	89	ug/kg	49.5
05470	Dibromochloromethane	124-48-1	N.D.	89	ug/kg	49.5
05472	Chlorobenzene	108-90-7	N.D.	89	ug/kg	49.5
05474	Ethylbenzene	100-41-4	2,900	89	ug/kg	49.5
05477	Styrene	100-42-5	N.D.	89	ug/kg	49.5
05478	Bromoform	75-25-2	N.D.	89	ug/kg	49.5
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	89	ug/kg	49.5
06293	Acetone	67-64-1	N.D.	620	ug/kg	49.5
06294	Carbon Disulfide	75-15-0	N.D.	89	ug/kg	49.5
06296	2-Butanone	78-93-3	N.D.	360	ug/kg	49.5
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	89	ug/kg	49.5
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	89	ug/kg	49.5
06299	4-Methyl-2-pentanone	108-10-1	N.D.	270	ug/kg	49.5
06300	2-Hexanone	591-78-6	N.D.	270	ug/kg	49.5
06301	Xylene (Total)	1330-20-7	34,000	89	ug/kg	49.5

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	10/13/2008 11:42	Damary Valentin	1
01643	Aluminum	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
01650	Calcium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
01654	Iron	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
01657	Magnesium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
01662	Potassium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
01667	Sodium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06925	Thallium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06935	Arsenic	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06936	Selenium	SW-846 6010B	1	10/16/2008 17:29	Eric L Eby	1
06944	Antimony	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06946	Barium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06947	Beryllium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06949	Cadmium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06951	Chromium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06952	Cobalt	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1

Lancaster Laboratories Sample No. SW5489367 Group No. 1113440

DW-3 Grab Soil Sample
Bartlett Tree

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BTDW3 SDG#: BTR02-07

06953	Copper	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06955	Lead	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06958	Manganese	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06961	Nickel	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06966	Silver	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06971	Vanadium	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
06972	Zinc	SW-846 6010B	1	10/15/2008 22:14	Thomas F McLamb Sr	1
00111	Moisture	SM20 2540 G	1	10/08/2008 16:45	Scott W Freisher	1
01865	Herbicides in Soils	SW-846 8151A	1	10/09/2008 02:32	Tricia M Gusbar	1
02033	PCBs in Soil	SW-846 8082	1	10/15/2008 02:34	Jamie L Brillhart	50
06000	TCL Pesticides in Solids	SW-846 8081A	1	10/16/2008 21:17	Lindsey K Lafferty	10
06000	TCL Pesticides in Solids	SW-846 8081A	1	10/16/2008 21:28	Lindsey K Lafferty	100
06678	OP Pesticides in Solids	SW-846 8141A	1	10/13/2008 03:09	Michele D Hamilton	1
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	10/14/2008 15:07	Joseph M Gambler	1
06292	TCL by 8260 (soil)	SW-846 8260B	1	10/09/2008 14:42	Angela D Sneeringer	49.5
00374	GC/MS VOCs - Bulk Sample Prep	SW-846 5035A Modified	1	10/06/2008 17:24	Eric L Vera	n.a.
00374	GC/MS VOCs - Bulk Sample Prep	SW-846 5035A Modified	2	10/06/2008 17:23	Eric L Vera	n.a.
00381	BNA Soil Extraction	SW-846 3550B	1	10/08/2008 00:00	Olivia Arosemena	1
04181	Herbicide Soil Extraction	SW-846 3550B/SW-846 8151A	1	10/07/2008 23:40	Olivia I Santiago	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	10/12/2008 11:20	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	10/12/2008 15:30	Mirit S Shenouda	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	1	10/09/2008 09:00	Kerrie A Freeburn	1
06006	PPL Pesticide Solid Extraction	SW-846 3550B	2	10/09/2008 11:00	Olivia Arosemena	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	10/06/2008 17:22	Eric L Vera	n.a.
06677	OP Pesticides Solid Extraction	SW-846 3540C	1	10/08/2008 16:45	Wanda F Oswald	1

Cycle Chem, Inc.		General Chemical	Material Profile Sheet
217 South First Street Elizabeth, NJ 07206 Phone: (908) 355-5800 Fax: (908) 355-0562	550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700 Fax: (717) 938-3301	133 Leland St. Framingham. MA 01701 Phone: (508) 872-5000 Fax: (508) 875-5271	Generator Number: 953544 Product Code: PC04-1 Sales Code: QUI

A. Generator Information

Generator Name BARTLETT TREE COMPANY **Generator USEPA ID** NOT REQUIRED
Mailing Address BARTLETT TREE COMPANY 345 UNION AVENUE WESTBURY, NY 11590
Site Address BARTLETT TREE COMPANY 345 UNION AVENUE WESTBURY, NY 11590
Generator Contact Scott Kurarella **Phone #** (516) 334-0648 **Fax #**

Billing Address CLEAN VENTURE 36 BUTLER ST ELIZABETH, NJ 07206
Billing Contact Valued Customer **Phone #** (908) 354-0210 **Fax #**

Name of Waste PURGE WATER **Process Generating Waste** PURGEWATER FROM MONITORING WELL DEVELOPMENT

B. Physical Characteristics of Waste

Color/PhysicalDescription: WATER BROWN/CLEAR **Specific Gravity:**
Strong Incidental Odor Present?: ☐ Yes ☑ No **Wastewater?:** ☐ Yes ☑ No
Physical State @ 70°:
☐ Solid ☑ Liquid ☐ Powder ☐ Semi-solid ☐ Single Phase ☑ Bi-layered ☐ Multilayered ☐ Sludge
% Sludge % Suspended solids % Solid/Debris 5- % Free Liquids 95-
Dumpable: ☑ Yes ☐ No Pumpable: ☑ Yes ☐ No Pourable: ☑ Yes ☐ No

Flashpoint: ☐ <70° ☐ 70-100° ☐ 101-141° ☐ 142-200° ☐ >200° ☐ No Flash ☐ Exact
Ignitable Solid: ☐ Yes ☑ No
pH: ☐ <2 ☐ 2.01-5 ☑ 5.01-9 ☐ 9.01-12.4 ☐ >12.5 ☐ Exact

C. Shipping Information

Quantity: 1 **Units:** Container
Price:
Container : 55 Gal. Metal Drum

D. Transport Information

☑ CCI/GCC to Provide Transportation
☐ Customer to Deliver to CCI/GCC
☐ Customer to Deliver to end facility Via CCI/GCC

E. Chemical Composition

Description	Range Minimum	Range Maximum
WATER 98%	95.0%	99.0%
SOIL 2%	1.0%	5.0%

F. Regulatory Information

EPA Hazardous Waste?: ☐ Yes ☑ No **USEPA Code(s):**
Applicable Subcategories:
State Hazardous Waste?: ☐ Yes ☑ No **State Code(s):** ID72
D.O.T. Hazardous Waste?: ☐ Yes ☑ No **Proper Shipping Name:** NON REGULATED WASTE
Class: Non-RCRA **I.D. NO:** Non-DOT **P.G.:** **R.Q.:**

G. Special Handling Considerations

Project Codes:
Special Handling:
Special Handling:
Special Pricing: $98.00 per 85 G DM; $68.00 per 30 G DM; $62.00 per 15 G DM; $52.00 per 5 G DM; $208.00 per Cu Yd Box;

H. Other Hazardous Characteristics

☐ RCRA Reactive ☐ Water Reactive
☐ Radioactive ☐ Subject to Subpart FF Benzene
☐ Etiological
☐ TSCA Regulated ☐ Oxidizing
☐ Pyrophoric ☐ Explosive
☑ None

	None	Actual
PCB's	☑	
Cyanides	☑	
Phenolics	☑	
Sulfides	☑	
VOC's	☑	

☐ Is this waste characteristically hazardous (EPA Waste Codes D004-D043):
☐ Does this waste contain underlying hazardous constituents As defined In 40 CFR 268(2)(I) at at concentrations exceeding the UTS treatment standards? If yes, list In section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted In this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards In the posession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temoporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted As such to issue any approval.

AUTHORIZED SIGNATURE: **TITLE:** **DATE:**

Cycle Chem, Inc.		General Chemical	Material Profile Sheet
217 South First Street Elizabeth, NJ 07206 Phone: (908) 355-5800 Fax: (908) 355-0562	550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700 Fax: (717) 938-3301	133 Leland St. Framingham. MA 01701 Phone: (508) 872-5000 Fax: (508) 875-5271	Generator Number: 953544 Product Code: PC04-2 Sales Code: QUI

A. Generator Information

Generator Name BARTLETT TREE COMPANY **Generator USEPA ID** NOT REQUIRED
Mailing Address BARTLETT TREE COMPANY 345 UNION AVENUE WESTBURY, NY 11590
Site Address BARTLETT TREE COMPANY 345 UNION AVENUE WESTBURY, NY 11590
Generator Contact Scott Kurarella **Phone #** (516) 334-0648 **Fax #**

Billing Address CLEAN VENTURE 36 BUTLER ST ELIZABETH, NJ 07206
Billing Contact Valued Customer **Phone #** (908) 354-0210 **Fax #**

Name of Waste DRILLING CUTTINGS **Process Generating Waste** DRILL CUTTINGS FROM SITE INVESTIGATION

B. Physical Characteristics of Waste

Color/PhysicalDescription: BROWN SOIL CUTTINGS **Specific Gravity:**
Strong Incidental Odor Present?: ☐ Yes ☑ No **Wastewater?:** ☐ Yes ☑ No
Physical State @ 70°:
☑ Solid ☑ Liquid ☐ Powder ☐ Semi-solid ☐ Single Phase ☑ Bi-layered ☐ Multilayered ☐ Sludge
% Sludge % Suspended solids % Solid/Debris 85-95 % Free Liquids 5-15
Dumpable: ☑ Yes ☐ No Pumpable: ☐ Yes ☑ No Pourable: ☑ Yes ☐ No

Flashpoint: ☐ <70° ☐ 70-100° ☑ 101-141° ☐ 142-200° ☐ >200° ☐ No Flash ☐ Exact
Ignitable Solid: ☐ Yes ☑ No
pH: ☐ <2 ☐ 2.01-5 ☑ 5.01-9 ☐ 9.01-12.4 ☐ >12.5 ☐ Exact

C. Shipping Information

Quantity: 1 **Units:** Container
Price:
Container : 55 Gal. Metal Drum

D. Transport Information

☑ CCI/GCC to Provide Transportation
☐ Customer to Deliver to CCI/GCC
☐ Customer to Deliver to end facility Via CCI/GCC

E. Chemical Composition

Description	Range Minimum	Range Maximum
SOIL	85.0%	95.0%
WATER	5.0%	15.0%

F. Regulatory Information

EPA Hazardous Waste?: ☐ Yes ☑ No **USEPA Code(s):**
Applicable Subcategories:
State Hazardous Waste?: ☐ Yes ☑ No **State Code(s):** ID72
D.O.T. Hazardous Waste?: ☐ Yes ☑ No **Proper Shipping Name:** NON REGULATED WASTE
Class: Non-RCRA **I.D. NO:** Non-DOT **P.G.:** **R.Q.:**

G. Special Handling Considerations

Project Codes:
Special Handling:
Special Handling:
Special Pricing: $98.00 per 85 G DM; $68.00 per 30 G DM; $62.00 per 15 G DM; $52.00 per 5 G DM; $208.00 per Cu Yd Box;

H. Other Hazardous Characteristics

☐ RCRA Reactive ☐ Water Reactive
☐ Radioactive ☐ Subject to Subpart FF Benzene
☐ Etiological
☐ TSCA Regulated ☐ Oxidizing
☐ Pyrophoric ☐ Explosive
☑ None

	None	Actual
PCB's	☑	
Cyanides	☑	
Phenolics	☑	
Sulfides	☑	
VOC's	☑	

☐ Is this waste characteristically hazardous (EPA Waste Codes D004-D043):
☐ Does this waste contain underlying hazardous constituents As defined In 40 CFR 268(2)(I) at at concentrations exceeding the UTS treatment standards? If yes, list In section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted In this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards In the posession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temoporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted As such to issue any approval.

AUTHORIZED SIGNATURE: **TITLE:** **DATE:**

Cycle Chem, Inc.		General Chemical	Material Profile Sheet
217 South First Street Elizabeth, NJ 07206 Phone: (908) 355-5800 Fax: (908) 355-0562	550 Industrial Dr. Lewisberry, PA 17339 Phone: (717) 938-4700 Fax: (717) 938-3301	133 Leland St. Framingham. MA 01701 Phone: (508) 872-5000 Fax: (508) 875-5271	Generator Number: 953544 Product Code: PC01-3 Sales Code: QUI

A. Generator Information

Generator Name BARTLETT TREE COMPANY **Generator USEPA ID** NOT REQUIRED
Mailing Address BARTLETT TREE COMPANY 345 UNION AVENUE WESTBURY, NY 11590
Site Address BARTLETT TREE COMPANY 345 UNION AVENUE WESTBURY, NY 11590
Generator Contact Scott Kurarella **Phone #** (516) 334-0648 **Fax #**

Billing Address CLEAN VENTURE 36 BUTLER ST ELIZABETH, NJ 07206
Billing Contact Valued Customer **Phone #** (908) 354-0210 **Fax #**

Name of Waste WASTE PPE **Process Generating Waste** PPE FROM INSTALLATION OF MONITORINGS WELLS/INVEST. ISP. SAMPLING SUPPLIES

B. Physical Characteristics of Waste

Color/PhysicalDescription: SOLID MISC, PPE, & DISPOSABLE SAMPLING SUPPLIES **Specific Gravity:**
Strong Incidental Odor Present?: ☐ Yes ☑ No **Wastewater?:** ☐ Yes ☑ No
Physical State @ 70°:
☑ Solid ☐ Liquid ☐ Powder ☐ Semi-solid ☐ Single Phase ☐ Bi-layered ☐ Multilayered ☐ Sludge
% Sludge % Suspended solids % Solid/Debris 100- % Free Liquids
Dumpable: ☑ Yes ☐ No Pumpable: ☐ Yes ☑ No Pourable: ☑ Yes ☐ No

Flashpoint: ☐ <70° ☐ 70-100° ☑ 101-141° ☐ 142-200° ☐ >200° ☐ No Flash ☐ Exact
Ignitable Solid: ☐ Yes ☑ No
pH: ☐ <2 ☐ 2.01-5 ☑ 5.01-9 ☐ 9.01-12.4 ☐ >12.5 ☐ Exact

C. Shipping Information

Quantity: 4 **Units:** Container
Price:
Container : 55 Gal. Metal Drum

D. Transport Information

☑ CCI/GCC to Provide Transportation
☐ Customer to Deliver to CCI/GCC
☐ Customer to Deliver to end facility Via CCI/GCC

E. Chemical Composition

Description	Range Minimum	Range Maximum
PPE (TYVEK, GLOVES) 50%	40.0%	70.0%
PLASTIC SHEETING 20%	20.0%	30.0%
PLASTIC GEOPRABLE LINERS 40%	10.0%	60.0%
PLASTIC SAMPLING EQUIPMENT 10%	5.0%	10.0%

F. Regulatory Information

EPA Hazardous Waste?: ☐ Yes ☑ No **USEPA Code(s):**
Applicable Subcategories:
State Hazardous Waste?: ☐ Yes ☑ No **State Code(s):** ID27
D.O.T. Hazardous Waste?: ☐ Yes ☑ No **Proper Shipping Name:** NON REGULATED MATERIAL
Class: Non-RCRA **I.D. NO:** Non-DOT **P.G.:** **R.Q.:**

G. Special Handling Considerations

Project Codes:
Special Handling:
Special Handling:
Special Pricing: $98.00 per 85 G DM; $68.00 per 30 G DM; $62.00 per 15 G DM; $52.00 per 5 G DM; $208.00 per Cu Yd Box;

H. Other Hazardous Characteristics

☐ RCRA Reactive ☐ Water Reactive
☐ Radioactive ☐ Subject to Subpart FF Benzene
☐ Etiological
☐ TSCA Regulated ☐ Oxidizing
☐ Pyrophoric ☐ Explosive
☑ None

	None	Actual
PCB's	☑	
Cyanides	☑	
Phenolics	☑	
Sulfides	☑	
VOC's	☑	

☐ Is this waste characteristically hazardous (EPA Waste Codes D004-D043):
☐ Does this waste contain underlying hazardous constituents As defined In 40 CFR 268(2)(I) at at concentrations exceeding the UTS treatment standards? If yes, list In section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted In this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards In the posession of the Generator has been disclosed. If CCI discovers; after having taken delivery of the waste, that any waste does not conform to the identification and description On this MPS then CCI shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as Set forth On the manifest or to such other locations designated In writing by the Generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temoporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted As such to issue any approval.

AUTHORIZED SIGNATURE: **TITLE:** **DATE:**