OU III
BUILDING 96 PCB SOIL (AOC 26B) EXCAVATION CLOSEOUT REPORT

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Executive Summary

This Closeout Report presents the PCB soil sampling, excavation, and disposal activities associated with the Building 96 former scrap yard at Brookhaven National Laboratory (BNL), Upton New York. The excavation and disposal activities for PCB soils at Building 96 are one phase of the remediation of AOC 26B of Operable Unit III. The groundwater cleanup of AOC 26B will be addressed separately in the groundwater treatment system Shutdown Petition (being prepared).

According to the EPA guidance document, Closeout Procedures for National Priorities List Sites, January 2000, a Closeout Report is appropriate to document the completion of excavation and disposal remedial actions even though they are only one part of the total remediation of an operable unit. This report follows the format given in the guidance for a Closeout (Final Remedial Action) Report.

The following is a chronology of the main events of the PCB soil remediation at Building 96. Details of the major activities and events are provided in Sections II and III of this report.

December 1998 – Building 96 Pre-Design Characterization Work Plan
January 1999 – initial characterization investigation fieldwork.
February, May, July, October 2000 – Area 1 excavations (1,199 cubic yards).
June 2000 – Operable Unit III Record of Decision is signed.
March 2001 – Anomaly & PCB Sampling and Excavation Plan (for Area 3).
June 2003 – Anomaly and PCB Sampling and Analysis Plan (for Area 3).
November 2003 – Area 2 Excavation and Area 3 Characterization Fieldwork (250 cubic yards).
November 2004 to January 2005 – Completion of Area 2 and Area 3 Excavations (728 cubic yards).
Background

As a result of investigations performed before the Operable Unit III Record of Decision, June 2000 (OU III ROD) was signed, PCB contaminated surface soils with concentrations up to 4,000 parts per million (ppm) were identified in the Building 96 former scrap yard area at Brookhaven National Laboratory. As detailed in the OU III ROD the selected remedy required excavation and off-site disposal of the PCB contaminated soils at Building 96 that are above the New York State cleanup levels. The goal of the chosen remedy was to reduce PCB concentrations to meet the New York State Department of Environmental Conservation (NYDEC) Technical and Administrative Guidance Memorandum #4046 (TAGM) cleanup objectives. These goals are 1 ppm for surface soil without cover material and 10 ppm for surface or subsurface soil backfilled with at least one foot of clean cover material (OU III Status Report Building 96 PCB Soil Remediation, May 2004).

The Building 96 area was historically used as a truck wash and vehicle maintenance facility during the Army’s occupancy of BNL. During later years it was used for drum storage and washing as well as a scrap yard for out of service equipment. The latter included PCB-oil containing transformers. Characterization of the Building 96 area was originally performed in accordance with the Building 96 Scrapyard Pre-Design Characterization Work Plan, January 1999. These investigations identified the potential for PCB soil contamination and therefore portions of the Building 96 scrap yard area were designated as potential locations of PCB contaminated soil.

From February 1999 through November 2003 several excavations were conducted that removed 1,449 cubic yards of soil from portions of the former scrap yard that had been established to manage the work; Areas 1, 2, and 3. Some of the excavations required additional characterization and/or excavation because endpoint confirmation samples did not meet the 1 ppm cleanup goal for surface soils or the 10 ppm cleanup goal for subsurface soil. In addition, work in Area 3 was not scheduled to begin until 2004. The final excavation in 2004-2005 to meet the cleanup goals throughout the...
scrap yard area resulted in 728 additional cubic yards removed for a grand total of 2,177 cubic yards.

From 1999 to 2005 these excavations resulted in placement of a total of 705 cubic yards of sand backfill and 570 cubic yards topsoil in the scrap yard and surrounding area.

Summary of the 2004 – 2005 Area 2 and Area 3 Remediation Activities
In addition to providing the results of the characterization and excavation efforts proposed in the June 2003 Anomaly and PCB Sampling and Analysis Plan (for Area 3), the May 2004 OU III Status Report Building 96 PCB Soil Remediation also contains a scope of work for the final completion of PCB soil-related activities at Building 96. Based on soil sample data collected in 2003 and 2004 the scope identified a) additional excavation in one part of Area 2, b) excavation of parts of Area 3, and c) backfill and cover placement in excavated and non-excavated locations with remaining PCB concentrations between 1 and 10 ppm. The results of these efforts are the main subject of this Closeout Report because they demonstrate that the PCB soil part of the Operable Unit III Building 96 cleanup work is complete.

During 2004-2005 a total of 728 cubic yards soil were excavated to bring the grand total since 1999 to 2,177 cubic yards. Post excavation samples were collected in the excavation areas. The samples were collected to determine if additional excavation would be needed or whether the excavation was successful in the removal of all the PCB contaminated soils greater than 10 ppm so that backfill operations could proceed. A total of 705 cubic yards of sand backfill and 570 cubic yards topsoil were placed in the scrap yard and surrounding area.

A total of 13 post excavation endpoint samples were collected from excavations in Area 2 and sent to the analytical laboratory for analysis. All of the 13 samples collected were determined to contain less than 10 ppm of PCBs. The highest PCB concentration detected was 7.1 ppm of PCBs.
Based upon the 13 post excavation samples collected in Area 2, no additional excavation of soil was warranted. The final excavation depth of Area 2 was 30 inches, thus an additional 12 to 24 inches was removed from areas of the excavation where 6 to 18 inches of soil had been previously removed. A total of approximately 328 cubic yards were excavated from this location. At least 18 inches backfill plus 6 inches topsoil were placed but some areas received up to 30 inches of material to achieve grade.

A total of 14 post excavation endpoint samples were collected from excavations in Area 3 and sent to the analytical laboratory for analysis. Four of these locations resulted in detections greater than 10 ppm but ten locations met the cleanup goal of 10 ppm. The four locations exceeding 10 ppm required additional excavation followed by resampling. All of the four endpoint resamples contained less than 10 ppm of PCBs. Therefore a total of 14 endpoint confirmation samples that met the cleanup goal were collected from Area 3. The highest remaining detected PCB concentration was 9.4 ppm.

Based upon the 14 post excavation endpoint samples collected in Area 3, no additional excavation of soil was needed. The final excavation depth of Area 3 ranged from 12 to 30 inches. Approximately 400 cubic yards were excavated from this location. After excavation was complete as shown by the endpoint confirmation samples, the excavations were brought to grade with fill and topsoil. Deeper excavations received more backfill material. At least 18 inches backfill plus 6 inches topsoil were placed but some areas received up to 30 inches of material to achieve grade.

Certain locations in Area 3 were not excavated but required the backfill cover material because the existing PCB concentrations ranged between 1 and 10 ppm. These areas received approximately 18 inches of the fill plus six inches of topsoil, which exceeded the depth needed to comply with the...
NYSDEC TAGMs. These areas include the northwest wooded area and portions of the west side of the drainage channel.
I. INTRODUCTION

This Closeout Report was prepared to present the PCB soil sampling, excavation, and disposal activities associated with the Building 96 scrap yard at Brookhaven National Laboratory (BNL), Upton, New York. The excavation and disposal activities for PCB soils at Building 96 are one phase of the remediation of Operable Unit III (OU III) at BNL. The other phase, the groundwater cleanup will be documented in the groundwater treatment system Shutdown Petition (being prepared).

According to the EPA guidance document *Closeout Procedures for National Priorities List Sites, January 2000*, a Closeout Report is appropriate to document the completion of excavation and disposal remedial actions even though they are only one part of the remediation of an operable unit. This report follows the format given in the guidance for a Closeout (Final Remedial Action) Report.

1.1 BNL Site Background

BNL is located in Upton, Suffolk County, New York, near the geographic center of Long Island. Figure 1 shows the BNL site and surrounding area north of the Long Island Expressway (LIE). The U.S. Army at Camp Upton formerly occupied the BNL site during World Wars I and II. The Civilian Conservation Corps operated BNL between the wars, and in 1947 the Atomic Energy Commission established BNL. BNL was transferred to the Energy Research and Development Administration in 1975 and to the Department of Energy (DOE) in 1977.

1.2 Building 96 Background

The Building 96 area was historically used as a truck wash and vehicle maintenance facility during the Army’s occupancy of BNL. During later years it was used for drum storage and washing as well as a scrap yard for out-of-service equipment. The latter included PCB-oil containing transformers.
Characterization of the Building 96 area was originally performed in accordance with the Building 96 Scrapyard Pre-Design Characterization Work Plan, January 1999, to identify high concentrations of volatile organic compounds (VOCs) in the OU III groundwater plume; specifically tetrachloroethene (PCE) and 1,1,1-trichloroethane (TCA). The Building 96 area was suspected to be a main source of VOCs within the OU III plume. Building 96 was designated as Area of Concern (AOC) 26B and it is addressed in the Operable Unit III Record of Decision (ROD), June 2000.

These investigations also identified the potential for PCB soil contamination within the AOC and therefore portions of the Building 96 scrap yard area were designated as potential locations of PCB contaminated soil. The OU III ROD states that the final PCB soil cleanup would consist of excavation and off-site disposal to achieve New York State (NYS) cleanup levels in the Technical and Administrative Guidance Memorandum # 4046 (TAGM). These goals are 1 ppm for surface soil and 10 ppm for subsurface soil under at least one foot of clean cover material.

I.3 Previous PCB Soil Related Activities

I.3.1 Area 1 - January 1999 – October 2000

Investigation of PCB contaminated soils was performed as part of the original Building 96 characterization project, January 1999, and was expanded based upon sampling results. The PCB sampling and excavation actions during that investigation were conducted in two main areas collectively known as Area 1:

- Northern Area (Building 96 former Scrapyard)
- Southern Area (Building 96 Groundwater Treatment System Area (also referred to as the Construction Area))
Refer to Figure 2 for the location of these areas. For the PCB sampling and excavation details, please refer to the Building 96 Former Scrapyard and Construction Area, PCB Soil Characterization, Excavation, and Confirmatory Sampling Report, February 2001. For information regarding the additional excavation activities that were performed in the Southern Area in May and October 2000 and not included in the February 2001 PCB report please refer to the Anomaly & PCB Sampling and Excavation Plan, March 2001.

A summary of the January 1999 to October 2000 efforts is as follows. Soil samples were collected throughout the Northern and Southern Areas. PCB concentrations in excess of the New York State TAGM # 4046 levels of 1 ppm for surface soil and 10 ppm for subsurface soil were detected. Concentrations ranged from non-detect to as high as 4,000 ppm. Excavation of PCB-contaminated soil was performed in September 1999, February 2000, May 2000, and October 2000 in portions of the north and south areas primarily to allow construction of the groundwater treatment system to address the VOCs. A total of 1,199 cubic yards of contaminated soil were excavated and disposed at the NYSDEC Sub-title C landfill (CWM Chemical Services LLC, Model City, New York). A large portion of the center of Area 1, designated as Area 2, remained unexcavated because it did not interfere with construction of the VOC treatment system. However, the characterization data showed that concentrations in Area 2 exceeded the cleanup standards of 1 and 10 ppm (up to 980 ppm were detected) and that the area would be excavated in the future. Some isolated locations in Area 1 with concentrations greater than 1 ppm but less than 10 ppm remained in the southern area and near the western excavation limit in the northern area.

I.3.2 Area 2 - November 2003

As shown in Figure 3, the unexcavated portions of Area 1 were designated as Area 2. Excavation of 250 cubic yards of contaminated soil from Area 2 was performed in November 2003 and the results
are presented in the *OU III Status Report, Building 96 Soil Remediation, May 2004*. Confirmation sampling shown in Figure 3 indicated that a portion of the soil still contained PCBs above the NYS TAGM levels of 1 and 10 ppm and that additional excavation would need to be performed in the east portion of Area 2 where the highest confirmation sampling concentration of 220 ppm was observed. The west portion of Area 2 required no further action because the surface soil cleanup level (1 ppm) had been attained.

### I.3.3 Area 3 - November 2003

Most of the locations outside Areas 1 and 2 are designated as Area 3 and shown in Figure 2. Based on the assumption that any PCB oil spills could have spread by surface water runoff from the center of the scrap yard, there were obvious boundaries to delineate Area 3. To the east there is a man-made drainage channel that forms a boundary. To the west there is a natural swale in the wooded area that could have collected contaminants. To the north is Building 96 and to the south is the highly variable topography that drains to the Weaver Drive recharge basin. These boundaries were verified by the November 2003 characterization effort.

Based upon the results of the previous investigations, which are detailed in *Anomaly & PCB Plan (March 2001)*, and in the *Building 96 Former Scrap yard and Construction Area PCB Soil Characterization, Excavation, and Confirmatory Sampling Report, (February 2001)*, further sampling was considered necessary to characterize the PCB impacted soils in Area 3. Before the final excavation, these locations required characterization sampling to determine the vertical and horizontal extent of PCB-contaminated soil because this area had never been completely investigated. The characterization sample locations are shown on Figure 4. Sampling consisted of utilizing a PCB field screening kit (Dexsil L2000DX Chlorinated Organics Analyzer) as well as analytical laboratory PCB analyses.
A total of 35 soil sample locations were proposed for the Area 3 characterization fieldwork in the
*OU III Anomaly and PCB Sampling Plan – Building 96, June 2003*, however, based on sampling
results and the additional step-out samples that were required to properly define the limits of the
contamination, a total of 62 samples were collected in November 2003. Samples were selected for
laboratory analysis based on field kit sampling results and sample locations. Of the 62 samples, 44
were sent to an analytical laboratory in accordance to the procedures presented in Table 3 of the
March 2001 *Anomaly & PCB Sampling and Excavation Plan* (for Area 3). The results of this
investigation are reported in the *OU III Status Report Building 96 PCB Soil Remediation, May 2004*
and are shown in Figure 4. Several locations were detected at greater than 10 ppm PCBs. Additional
locations were detected at less than 10 but greater than 1 ppm PCBs.

The final result of all the previous work at the Building 96 former scrap yard was that excavation
needed to be performed in Areas 2 and 3 in order to achieve the NYSDEC TAGM of 1 or 10 ppm in
surface samples. If 1 ppm were achieved no further work would be necessary; if 10 ppm were
achieved, clean backfill of at least one foot would be required. The work plan portion of the *OU III
Status Report Building 96 PCB Soil Remediation, May 2004* describes the work that was planned.
Additional details of the plan are discussed in the next section of this report under Design of the
Final PCB Soil Excavation.

II. Operable Unit III/AOC 26B Background

II.1 Design of the Final PCB Soil Excavation

As summarized in Section I of this report, previous efforts (1999 to 2003) had resulted in a partial
excavation of several areas and the need to investigate several additional areas in the former scrap
yard. These efforts did not meet the cleanup goals in all locations because the excavations were not complete or because excavation had not yet begun. It was estimated that an additional 550 cubic yards of material would need to be excavated in 2004 from various locations in the scrap yard in order to meet the cleanup goals.

The design of the final remedial excavation is discussed in the document titled *OU III Status Report Building 96 PCB Soil Remediation, May 2004*. For all soils with existing PCB concentrations greater than 10 ppm (surface or subsurface) the remedy was to reduce the soil concentration below 10 ppm by excavating into roll off containers and transporting for disposal to the NYSDEC Sub-title C landfill (CWM Chemical Services LLC, Model City, New York). If, after excavation, any part of a location contained PCB concentrations greater than 10 ppm as determined by endpoint confirmation sampling, the area would be re-excavated an additional foot. If between 1 and 10 ppm remained after the excavation as determined by endpoint confirmation sampling, the remedy was to place a combined clean backfill and topsoil cover of at least one foot over the locations and then to seed and maintain the backfilled and covered areas as part of the BNL Long-Term Response Action (LTRA) maintenance program.

For all undisturbed soils containing existing PCB concentrations between 1 and 10 ppm (surface or subsurface) as determined by characterization sampling, the remedy was to place a combined clean backfill and topsoil cover of at least one foot over the locations and then to seed and maintain the backfilled and covered areas as part of the normal BNL building and grounds maintenance program. The details of the completion of the remedial excavation are discussed in the following sections of this report. No action was required for surface or subsurface soils with less than 1 ppm of existing PCB concentration.
III. Final Excavation and Backfill in 2004-2005

Area 1 excavations were completed in October 2000. The 2004 work was performed in Areas 2 and 3 according to the Building 96 project work plans entitled: 1) Anomaly & PCB Sampling and Excavation Plan, March 2001 and, 2) the OU III Status Report Building 96 PCB Soil Remediation, May 2004 (including a work plan). The NY State Department of Environmental Commission (NYSDEC) and the U.S. Environmental Protection Agency (USEPA) previously reviewed the reports.

III.1 Area 2 Excavation

Envirotrac Environmental Services, Inc. of Ronkonkoma, New York conducted the final excavation, confirmatory sampling, and backfilling of Area 2 soils under the supervision of BNL personnel from December 2, 2004 through December 15, 2004. Before the start of excavation, the areas were marked in the field based on the location of the characterization data points and a silt fence was installed to control any potential erosion during the excavation.

As per BNL’s Waste Management Division’s Bulk Waste Characterization Sampling Guidance Document, waste characterization samples were sent to the disposal facility for review prior to shipment of any material off-site. The Area 2 and Area 3 excavation waste characterization samples that were sent to the disposal facility for review included the three composite soil samples collected prior to the start of excavation. The results of the soil samples were reviewed by the disposal facility and subsequently BNL received disposal approval. The detected levels were 130, 48, and 7.8 ppm. The locations of the waste acceptance samples are shown on Figure 4.

A track excavator was used to remove soil to a depth of approximately 18 to 30 inches from the land surface resulting from the previous excavation. A total of approximately 328 cubic yards of PCB-
contaminated soil were excavated for disposal from the east section of Area 2 during this excavation. The soils for disposal were placed in roll off containers and covered with plastic. Based on the characterization data and the waste acceptance data delineating hazardous (192 cu yds with concentrations greater than 50 ppm) and nonhazardous (136 cu yds with concentrations less than 50 ppm) material, the excavated soils were placed in different roll off containers. The roll offs were temporarily stored at and near Building 96 for a maximum of 21 days and then transported by a DOE-approved transporter for disposal at the NYSDEC Sub-title C landfill (CWM Chemical Services LLC, Model City, New York). Waste transport manifest forms are included in Appendix A.

All waste material generated during project activities were containerized, stored and disposed of in accordance with the project specific Waste Management Plan, the Environmental Management Directorate’s procedures and guidelines for PCB waste described in Section 7.0 of BNL’s SBMS, and the March 2001 Anomaly & PCB Sampling and Excavation Plan. BNL’s Waste Management personnel daily supervised all waste documentation and control. In addition, prior to the start of the work, a job-specific Health and Safety Plan, and a Job Safety Analysis for each task were prepared.

III.2 Area 2 - Post Excavation Confirmation Sampling

The protocols and procedures followed when determining the location and frequency of post excavation samples collected were as described in the Anomaly & PCB Plan, March 2001, Appendix A: Engineering Change Notice.

A total of 13 post excavation confirmation samples were collected from the bottom surface of the Area 2 excavation on December 8 and 16, 2004 and the results are summarized in Table 1 and included in Appendix A. The locations of the samples are shown on Figure 5. The samples were
collected in accordance with the following BNL procedures: EM-SOP-600 and EM-SOP-601. Each sample was collected using a properly decontaminated hand auger or disposable sampler and soils were placed in analytical laboratory-supplied glassware. Samples were submitted to Seven Trent Laboratories for PCB analysis using EPA Method 8082. All confirmation sample results were below 10 ppm with the highest result being 7.1 ppm. Based on these data no further activity was necessary and the excavations were backfilled with approximately 18 inches of clean soil plus six inches of topsoil to grade level.

III.3 Area 3 Excavation

Based upon the results of previous investigations, which are detailed in the March 2001 *Anomaly & PCB Sampling and Excavation Plan* (for Area 3), and in the February 2001 *Building 96 Former Scrap yard and Construction Area PCB Soil Characterization, Excavation, and Confirmatory Sampling Report*, further sampling was considered necessary to characterize the area of PCB impacted surface and subsurface soils in Area 3 before the final excavation. Sampling and analysis were performed in November 2003 to delineate the horizontal and vertical extent of contamination and to define the limits of PCB contaminated soil beyond the immediate boundaries of the Building 96 scrapyard. The sampling locations are shown on Figure 4 along with the analytical results. Sample analytical results were obtained by two methods. A PCB field screening kit (Dexsil L2000DX Chlorinated Organics Analyzer) was utilized as well as laboratory confirmation analysis. The resulting delineation of areas requiring excavation was presented in the *OU III Status Report Building 96 PCB Soil Remediation, May 2004*. In addition to the larger areas there were also several spot excavation areas identified.

Several locations, also shown in Figure 4, along the west bank of the drainage channel and within the west wooded area already met the subsurface soil cleanup objective (10 ppm) without further action but not the surface soil cleanup objective (1 ppm). These locations were designated in the
May 2004 Status Report (work plan) for backfill cover and topsoil placement but not for excavation.

Envirotrac Environmental Services also conducted the Area 3 excavation, confirmatory sampling, and backfilling under the supervision of BNL personnel from December 15, 2004 through January 6, 2005. Before the start of excavation, the areas were marked in the field based on the location of the characterization data points; waste acceptance samples were collected; and a silt fence was installed to control any potential erosion during the excavation.

A track excavator was used to remove surface soil to a depth of approximately 12 to 30 inches depending on location. A total of approximately 400 cubic yards of PCB-contaminated soil were excavated for disposal from Area 3 during this excavation. The soils for disposal were placed in sealed roll off containers and covered with plastic. Based on the characterization data and the waste acceptance data delineating hazardous (46 cu yds) and nonhazardous (354 cu yds) material, the excavated soils were segregated and placed in different roll off containers. The roll offs were temporarily stored at and near Building 96 for a maximum of 21 days and then transported by a DOE-approved transporter for disposal at the NYSDEC Sub-title C landfill (CWM Chemical Services LLC, Model City, New York). Waste transport manifest forms are included in Appendix A.

Four locations, shown in Figure 5, were re-excavated one foot deeper after the initial excavation because the first set of confirmation samples did not meet the subsurface soil cleanup objective. The initial confirmation samples ranged up to 52 ppm but the final confirmation samples were only as high as 5.1 ppm. Table 1 contains all confirmation sample data.

All waste material generated during project activities were containerized, stored and disposed of in accordance with the project specific Waste Management Plan, the Environmental Management...
Directorate’s procedures and guidelines for PCB waste described in Section 7.0 of BNL’s SBMS, and the March 2001 Anomaly & PCB Sampling and Excavation Plan. BNL’s Waste Management personnel daily supervised all waste documentation and control. In addition, prior to the start of the work, a job-specific Health and Safety Plan, and a Job Safety Analysis for each task were prepared.

### III.4 Area 3 - Post Excavation Confirmation Sampling

The protocols and procedures followed to determine the location and frequency of post excavation confirmation samples were as described in the Anomaly & PCB Plan, March 2001, Appendix A: Engineering Change Notice.

A total of 18 post excavation confirmation samples including four repeated samples were collected from the various locations of Area 3 on December 2, 2004 and December 8, 2004. The results are summarized in Table 1. The locations of the samples are shown on Figure 5 and the complete analytical results are included in Appendix A. The samples were collected in accordance with the following BNL procedures: EM-SOP-600 and EM-SOP-601. Each sample was collected using a properly decontaminated hand auger or disposable sampler and soils were placed in analytical laboratory-supplied glassware. Samples were submitted to Seven Trent Laboratories for PCB analysis using EPA Method 8082. All endpoint confirmation sample results were below 10 ppm with the highest result being 9.4 ppm. Based on these data no further excavation was necessary and the excavations were backfilled to grade with approximately 18 inches of clean soil plus six inches of topsoil.

### III.5 Backfill Operations

After excavation was complete as shown by the endpoint confirmation samples at least 18 inches of clean backfill plus six inches of topsoil were placed into each excavation to comply with the NYSDEC TAGM. Typically the excavations were brought to grade with the fill and topsoil so that...
the deeper portions of the excavations received more backfill material. Locations that were not excavated but already met the subsurface cleanup goal were covered with approximately 18 inches of clean backfill plus six inches of topsoil. One of these locations was in the northwest wooded area and three others were located along the west side of the drainage channel. These areas are identified in Figure 5.

III.6 Spot Locations

As shown on Figure 5, a total of seven isolated surface sample locations had characterization results from November 2003 that were greater than 1 ppm but less than 10 ppm. These locations were individually excavated to approximately 18 inches and were then backfilled to grade with backfill sand and topsoil.

III.7 Reseeding

Among Areas 2 and 3 a total of 705 cubic yards of sand backfill and 570 cubic yards topsoil were placed in the scrap yard and surrounding area. The excavated and backfilled areas in the Building 96 former scrap yard are scheduled to be reseeded as soon as warmer weather arrives in the early spring 2005. A native plant species mix will be used as recommend by the BNL naturalist.

IV. Chronology of Events

The following is a chronology of the main events of the PCB soil remediation at Building 96. Details of the major activities and events are provided in sections II and III of this report.

December 1998 – Building 96 Pre-Design Characterization Work Plan
January 1999 – initial characterization investigation fieldwork.
February, May, July, October 2000 – Area 1 excavations (1,199 cubic yards).
June 2000 – Operable Unit III Record of Decision is signed.
March 2001 – Anomaly & PCB Sampling and Excavation Plan (for Area 3).  
June 2003 – Anomaly and PCB Sampling and Analysis Plan (for Area 3).  
November 2003 – Area 2 Excavation and Area 3 Characterization Fieldwork (250 cubic yards).  
November 2004 to January 2005 – Completion of Area 2 and Area 3 Excavations (728 cubic yards).  

V. Performance Standards and Construction Quality Control

Performance standards for the completion of the remedial action for the Building 96 PCB soils were in accordance with the BNL Standards Based Management System and Standard Operating Procedures whenever applicable. BNL provided continuous field oversight of the work and each load was properly checked by BNL Waste Management personnel prior to its leaving the site. The excavation contractor was bonded and insured prior to commencing the work. A DOE – approved hauler was used to transport the hazardous portion of the waste to a New York Stated approved subtitle C disposal facility.
V.1 Soil Sample Collection Procedures for Areas 2 and 3

A properly decontaminated or dedicated sampling trowel was used to extract soil samples from 0 to 2 inches below grade. Soils were placed in laboratory-supplied glassware and submitted to the analytical laboratory. The objective was to have laboratory confirmation that the results of the endpoint samples met the cleanup goals prior to placing of the backfill. Non-dedicated equipment was decontaminated prior to and between sample locations. Procedures consisted of a non-phosphate detergent scrub, followed by distilled water rinse.

V.2 Equipment Decontamination

In order to minimize the potential for cross-contamination, all sampling equipment was properly decontaminated prior to and after each use. Decontamination of sampling equipment was performed in accordance with Environmental Monitoring SOP-801 (EM-SOP-801).

At the conclusion of excavation activities, the area was secured and posted. Prior to being released from the work site, all heavy equipment used during excavation activities were properly decontaminated and swiped for PCBs as per BNL’s Industrial Hygiene Group’s surface swipe sampling procedure (SOP IH 75190). The results of the swipes came back negative on January 13, 2005 for PCBs and all of the heavy equipment was released from the work site.

VI. Final Inspections and Certifications

Final inspections and certifications that the work was proceeding as designed were performed daily as each excavation and backfill operation was performed. Similarly, BNL field and/or management personnel observed the waste acceptance and confirmatory sampling. Standard chain of custody
control was maintained for all samples. An independent commercial analytical laboratory analyzed all samples. Documentation is provided in the Field Engineer’s Logbook and in the Daily Field Logs of the project. Photographs of some of these activities are included at the end of this report.

VII. Operations and Maintenance Activities

VII.1 Long-Term Institutional Control

The Building 96 former scrap yard will be maintained as part of BNL’s routine, ongoing buildings and grounds maintenance activities. This will include periodic mowing, after the seeding is established, of the open area of the former scrap yard to provide access for the monitoring wells and the VOC treatment system buildings. The other portions of the backfilled areas in the woods and along the west drainage swale will be allowed to revert to natural conditions after the reseeding in the Spring of 2005.

The two feet of backfill and topsoil that were placed as cover material over the excavated and unexcavated areas are designed to prevent contact with remaining soils that contain 1 to 10 ppm PCBs. The cover will be durable once the vegetation is established to prevent normal wear and tear. Periodic surveillance at least once every six months of the backfill will be conducted. This will verify that the cover material is staying in place and functioning properly without failure by erosion, animal burrowing, or root intrusion. After the seeding in the Spring of 2005, these areas will be added to the BNL contaminated soils map so that any disturbance of the backfilled areas (digging, well installation, pipe installation, building construction, etc.) is controlled to prevent contact with the remaining PCB soil for as long as BNL remains a federal property. If the land is privatized in the future a deed restriction showing the covered areas should be established as part of the property transfer. The shading in Figure 6 indicates those areas that will remain under institutional controls.
VIII. Photographs

Excavator and backhoe      Area 2 excavation   Area 2 excavation

Area 2 excavation       Area 2 backfill   Area 2 topsoil
Table 1
Building 96 PCB Soil Excavation Completion
Confirmation Sample Results
December 2004

<table>
<thead>
<tr>
<th>Sample I.D.</th>
<th>Result (ppm)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-1 Area 3</td>
<td>23</td>
<td>Initial sample before additional excavation</td>
</tr>
<tr>
<td>EP-2 “</td>
<td>6.6</td>
<td></td>
</tr>
<tr>
<td>EP-3 “</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>EP-4 “</td>
<td>12</td>
<td>Initial sample before additional excavation</td>
</tr>
<tr>
<td>EP-5 “</td>
<td>20</td>
<td>Initial sample before additional excavation</td>
</tr>
<tr>
<td>EP-6 “</td>
<td>52</td>
<td>Initial sample before additional excavation</td>
</tr>
<tr>
<td>EP-7 Area 2</td>
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<td>After additional excavation at EP-1</td>
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Note: Area 1 endpoint confirmation samples are listed in the February 2001 *Building 96 Scrap Yard and Construction Area Fieldwork Report* and in the March 2001 *Anomaly & PCB Sampling and Excavation Plan*. 
Table 2
Excavated and covered areas at Building 96 Former Scrapyard

<table>
<thead>
<tr>
<th>Area</th>
<th>Total</th>
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<th>Covered</th>
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<td>625</td>
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<td>2</td>
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<tr>
<td>3</td>
<td>135,000</td>
<td>7,500</td>
<td>7,500</td>
</tr>
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</table>

Total area is the total square footage in a designated area as shown on Figure 2 of the Report.

Excavated area is the square footage that was excavated and transported offsite.

Covered area is the square footage of covered area whether or not it was excavated. This can be seen in Figure 6 of the Report.

All area measurements are in square feet.
Table 2
Excavated and covered areas at Building 96 Former Scrapyard

All area measurements are in square feet.
ANALYTICAL PARAMETERS | UNITS RESULT | DATE OF ANALYSIS | LRL | METHOD \\
--- | --- | --- | --- | --- \\
Aroclor 1016 | ug/Kg < 880 | 11/19/04 | 879.12 | EPA8082 \\
Aroclor 1221 | ug/Kg < 880 | 11/19/04 | 879.12 | EPA8082 \\
Aroclor 1232 | ug/Kg < 880 | 11/19/04 | 879.12 | EPA8082 \\
Aroclor 1242 | ug/Kg < 880 | 11/19/04 | 879.12 | EPA8082 \\
Aroclor 1248 | ug/Kg < 880 | 11/19/04 | 879.12 | EPA8082 \\
Aroclor 1254 | ug/Kg < 880 | 11/19/04 | 879.12 | EPA8082 \\
Aroclor 1260 | ug/Kg < 880 | 11/19/04 | 879.12 | EPA8082 \\
D & Fs | ug/Kg | 91 | 11/18/04 | 0.1 | SM182540G \\

cc: 

REMARKS: 

LRL=Laboratory Reporting Limit 

DIRECTOR 

rn = 44043 NYSDOH ID # 10320
Envirotec Limited
80 B Air Park Drive
Ronkonkoma, NY  11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.96
SOURCE OF SAMPLE: Client
COLLECTED BY: Client
DATE COL'D: 11/17/04 RECEIVED: 11/17/04
TIME COL'D: 1045

MATRIX: Soil  SAMPLE: C-2

Results reported on a dry weight basis

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<th>DATE OF ANALYSIS</th>
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</tr>
<tr>
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</tr>
<tr>
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 rude 91

DATE OF ANALYSIS: 11/18/04
LRL: 0.1
METHOD: SM182540G

cc:

REMARKS:

LRL=Laboratory Reporting Limit

rn = 44044
NYSDOH ID # 10320
Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779
ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. 96
SOURCE OF SAMPLE COLLECTED BY: Client
DATE COL'D: 11/17/04 RECEIVED: 11/17/04
TIME COL'D: 1115

MATRIX: Soil SAMPLE: C-3

Results reported on a dry weight basis

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<th>RESULT</th>
<th>FLAG</th>
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<th>LRL</th>
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cc:  

LRL = Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 44045
NYSDOH ID #: 10320
### Lab Report

**Lab No.:** 245127.06  
**Date:** 12/07/04

**Source of Sample:** RNL, Bldg.96 PCB Soil Excavation  
**Source of Sample Collected By:** Client  
**Date Collected:** 12/02/04  
**Received:** 12/02/04  
**Time Collected:** 1520

**Matrix:** Soil  
**Sample:** EP-6

---

**Analytical Parameters**

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<th>Flag</th>
<th>Analysis</th>
<th>LRL</th>
<th>Method</th>
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<tr>
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**% solids:** 91%

**Date of Analysis:** 12/06/04  
**Method:** SM182540G

---

**Remarks:**

---

**LRL =** laboratory Reporting Limit

---

**Director:**

---

RN = 46491  
NYSDOH ID #: 10320  
Page 1 of 1
EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO. 245127.01

12/07/04

Envirotrao Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

PO#: 

SOURCE OF SAMPLE: BNL, Bldg.96 PCB Soil Excavation

SOURCE OF SAMPLE: 

COLLECTED BY: Client

DATE COL'D: 12/02/04 RECEIVED: 12/02/04

TIME COL'D: 14:55

MATRIX: Soil SAMPLE: EP-1

Results reported on a dry weight basis

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S: 93

DATE OF ANALYTICA

LRL = laboratory Reporting Limit

cc:

REMARKS:

rn = 46486
NYSDOH.ID # 10320

Page 1 of 1
Envirotrol Limited  
80 B Air Park Drive 
Ronkonkoma, NY 11779

SOURCE OF SAMPLE: BNL, Bldg. 96 PCB Soil Excavation

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: COLLECTED BY: Client  
DATE COL'D: 12/02/04 RECEIVED: 12/02/04  
TIME COL'D: 1500

MATRIX: Soil  SAMPLE: EP-Z

Results reported on a dry weight basis

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cc:

REMARKS:

LRL = laboratory Reporting Limit

rn = 46487

NYSDOH ID #: 10320

DIRECTOR

Page 1 of 1
LAB NO. 245127.03

12/07/04

Envirotrec Limited
80 B Air Park Drive
Ronkonkoma, NY 11779
ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. 96 PCB Soil Excavation
SOURCE OF SAMPLE COLLECTED BY: Client
DATE COL'D: 12/02/04 RECEIVED: 12/02/04
TIME COL'D: 1505

MATRIX: Soil SAMPLE: EP-3

Results reported on a dry weight basis

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cc:

REMARKS:

LRL = laboratory Reporting Limit

DIRECTOR

rn = 46488
NYSDOH ID # 10320

Page 1 of 1
EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO. 245127.04

Envirotrac Limited  
80 B Air Park Drive  
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. 96 PCB Soil Excavation
COLLECTED BY: Client  
DATE COL'D: 12/02/04  
RECEIVED: 12/02/04
TIME COL'D: 1510

MATRIX: Soil  
SAMPLE: EP-4

Results reported on a dry weight basis

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REMINDERS:

LRL = laboratory Reporting Limit

DIRECTOR

RN = 46489  
NYSDOH ID # 10320

Page 1 of 1
LAB NO. 245127.05  12/07/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779
ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. 96 PCB Soil Excavation
SOURCE OF SAMPLE: COLLECTED BY: Client
DATE COL'D: 12/02/04 RECEIVED: 12/02/04
TIME COL'D: 1515

Results reported on a dry weight basis

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LRL = laboratory Reporting Limit

cc:

REMKS:

rn = 46490  NYSDOH ID #10320
**EcoTest Laboratories Inc**  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.245127.06  
12/07/04

Envirotrac Limited  
80 B Air Park Drive  
Ronkonkoma, NY 11779  
ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.96 PCB Soil Excavation  
SOURCE OF SAMPLE: COLLECTED BY: Client  
DATE COL'D:12/02/04 RECEIVED:12/02/04  
TIME COL'D:1520

MATRIX: Soil  
SAMPLE: EP-6

Results reported on a dry weight basis

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Lab is re-sending this copy

cc:

REMARKS:

ENTRY= 46491  
NYSDOH ID # 10320  
Page 1 of 1
LAB NO. 245207.01  12/14/04

Envirotrec Limited
80 B Air Park Drive
Ronkonkoma, NY  11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96
SOURCE OF SAMPLE: Client
COLLECTED BY:  DATE COL'D: 12/08/04 RECEIVED: 12/09/04
TIME COL'D: 1410

MATRIX: Soil  SAMPLE: EP-7

Results reported on a dry weight basis

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Solids 91  12/10/04  0.1  SM182540G

cc:

LRL = laboratory Reporting Limit

DIRECTOR

rn = 47320  NYSDOH ID # 10320
Results reported on a dry weight basis

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% lids 89

DATE OF ANALYTICAL

12/10/04 0.1 SM182540G

cc:

REMARKS:

rn = 47321  NYSDOH ID # 10320

LRL=Laboratory Reporting Limit

DIRECTOR
EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO. 245207.03

12/14/04

EnvironTrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96

COLLECTED BY: Client

DATE COL'D: 12/08/04 RECEIVED: 12/09/04

TIME COL'D: 14:14

MATRIX: Soil

SAMPLE: EP-9

Results reported on a dry weight basis

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Solids: 97

12/10/04 0.1 SM182540G

cc:

REMARKS:

LRL = laboratory Reporting Limit

DIRECTOR

rn = 47322
NYSDOH ID # 10320

Page 1 of 1
Results reported on a dry weight basis

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LRL = laboratory Reporting Limit

DIRECTOR

cc:

REMARKS:

ru = 47323
NYSDOH ID # 10320
LAB NO. 245207.05

12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

PO#: 

SOURCE OF SAMPLE: BNL, Bldg.#96

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 12/08/04 RECEIVED: 12/09/04

TIME COL'D: 14:17

MATRIX: Soil

SAMPLE: EP-11

Results reported on a dry weight basis

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slides 88 12/10/04 0.1 SM182540G

cc:

LRL = laboratory Reporting Limit

REMARKS:

rn = 47324

NYSDOH ID # 10320

Page 1 of 1
LAB NO. 245207.06  12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 12/08/04 RECEIVED: 12/09/04

TIME COL'D: 1424

MATRIX: Soil

SAMPLE: EP-12

Results reported on a dry weight basis

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% solids 92

12/10/04 0.1 SM182540G

REMORKS:

LRL = laboratory Reporting Limit

DIRECTOR

rn = 47325

NYSDOH ID # 10320

Page 1 of 1
Results reported on a dry weight basis

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LRL = Laboratory Reporting Limit

DIRECTOR

rn = 47326
NYSDOH ID # 10320
LAB NO. 245207.08  12/14/04

Envirotac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE: Client
COLLECTED BY: Client
DATE COL'D: 12/08/04 RECEIVED: 12/09/04
TIME COL'D: 1426

MATRIX: Soil  SAMPLE: EP-14

Results reported on a dry weight basis

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97  slids  12/10/04  0.1  SM182540G

cc:

REMARKS:

LRL = laboratory reporting limit
EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245207.09

12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96

SOURCE OF SAMPLE: COLLECTED BY: Client

DATE COL'D:12/08/04 RECEIVED:12/09/04
TIME COL'D:1430

RESULTS: Soil

SAMPLE: EP-15

Results reported on a dry weight basis

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<td>EPA8082</td>
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97

cc:

REMARKS:

LRL = laboratory Reporting Limit

rn = 47328

NYSDEP ID # 10320

DIRECTOR

Page 1 of 1
LAB NO. 245207.10

12/14/04

Envirotrec Limited
80 R Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96
SOURCE OF SAMPLE: Client
COLLECTED BY: DATED COL'D: 12/08/04 RECEIVED: 12/09/04
DATE COL'D: 1434
TIME COL'D: 1434

MATRIX: Soil SAMPLE: EP-16

Results reported on a dry weight basis

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<td>43.010 EPA8082</td>
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cc:

REMARKS: LRL = laboratory Reporting Limit

rn = 47329 NYSDOH ID # 10320
LAB NO. 245207.11  12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE: COLLECTED BY: Client
DATE COL’D: 12/08/04 RECEIVED: 12/09/04
TIME COL’D: 1436

MATRIX: Soil  SAMPLE: EP-17

Results reported on a dry weight basis

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cc:

DIRECTOR

LRL = laboratory Reporting Limit

rn = 47330  NYSDOH ID # 10320
Envirotrac Limited  
80 B Air Park Drive  
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE: COLLECTED BY: Client
DATE COL'D:12/08/04 RECEIVED:12/09/04
TIME COL'D:1510

MATRIX: Soil SAMPLE: EP-16

Results reported on a dry weight basis

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lids | 88 | 12/10/04 | 0.1 | SM182540G |

cc: LRL= laboratory Reporting Limit

REMARKS:

rn = 47331  NYSDOH ID # 10320

DIRECTOR
LAB NO.245207.13  12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE COLLECTED BY: Client
DATE COL'D: 12/08/04 RECEIVED: 12/09/04
TIME COL'D: 1514

Results reported on a dry weight basis

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REMARKS:

LRL= laboratory Reporting Limit

rn = 47332  NYSDOH ID # 10320
Envirotac Limited 80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE COLLECTED BY: Client
DATE COL'D: 12/08/04 RECEIVED: 12/09/04
TIME COL'D: 1520

MATRIX: Soil  SAMPLE: EP-20

Results reported on a dry weight basis

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</table>

: 91 12/10/04 0.1 SM182540G

cc:

REMARKS: LRL=laboratory Reporting Limit

xn = 47333

NYSDOH ID # 10320

DIRECTOR

Page 1 of 1
EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO. 245207.15 12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779
ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL Bldg.#96
SOURCE OF SAMPLE COLLECTED BY: Client DATE COL'D: 12/08/04 RECEIVED: 12/09/04
TIME COL'D: 1526 SAMPLE: EP-21

MATRIX: Soil

Results reported on a dry weight basis

ANALYTICAL PARAMETERS UNITS RESULT FLAG ANALYSIS LRL METHOD

Aroclor 1016 ug/Kg < 870 12/13/04 869.56 EPA8082
Aroclor 1221 ug/Kg < 870 12/13/04 869.56 EPA8082
Aroclor 1232 ug/Kg < 870 12/13/04 869.56 EPA8082
Aroclor 1242 ug/Kg < 870 12/13/04 869.56 EPA8082
Aroclor 1248 ug/Kg < 870 12/13/04 869.56 EPA8082
Aroclor 1254 ug/Kg < 870 12/13/04 869.56 EPA8082
Aroclor 1260 ug/Kg 1800 12/13/04 869.56 EPA8082

pd 92 12/10/04 0.1 SM182540G

co:

REMARKS:

rn = 47334 NYSDOH ID # 10320

LRL = laboratory Reporting Limit

DIRECTOR

Page 1 of 1
LAB NO. 245207.16

12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D: 12/08/04 RECEIVED: 12/09/04

TIME COL'D: 1530

MATRIX: Soil

SAMPLE: EP-22

Results reported on a dry weight basis

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% n/a

93

12/10/04 0.1 SM182540G

cc:

REMARKS:

LRL = laboratory Reporting Limit

rn = 47335

NYSDOH ID # 10320
LAB NO. 245207.17

12/14/04

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

PO#: 

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE COLLECTED BY: Client
DATE COL'D: 12/08/04 RECEIVED: 12/09/04
TIME COL'D: 1535

MATRIX: Soil SAMPLE: EP-23

Results reported on a dry weight basis

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12/10/04 0.1 SM182540G

REMARKS:

co:

LRL= laboratory Reporting Limit

rn = 47336  NYSDOH ID # 10320
LAB NO. 245207.18

12/14/04

Envirotrac Limited
80 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96
SOURCE OF SAMPLE:  
COLLECTED BY: Client
DATE COL'D: 12/08/04 RECEIVED: 12/09/04
TIME COL'D: 1540

MATRIX: Soil  
SAMPLE: EP-24

Results reported on a dry weight basis

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7 lids

91

12/10/04 0.1 SM102540G

cc:

LRL = laboratory Reporting Limit

REMARDS:

rn = 47337  
NYSDOH ID # 10320

DIRECTOR
LAB NO. 245207.19  

12/14/04

Envirotrac Limited  
80 B Air Park Drive  
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96
SOURCE OF SAMPLE: COLLECTED BY: Client  
DATE COL'D:12/08/04 RECEIVED:12/09/04  
TIME COL'D:1545

MATRIX: Soil  SAMPLE: EP-25

Results reported on a dry weight basis

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cc:

REMARKS:

LRL = laboratory Reporting Limit

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SOURCE OF SAMPLE: BNL Bldg. #96
SOURCE OF SAMPLE: Envirotrac Limited
COLLECTED BY: 80 B Air Park Drive
ATTN: Ronkonkoma, NY 11779
Stanley Sucharski

DATE COL'D: 12/16/04 RECEIVED: 12/17/04
TIME COL'D: 1410

Results reported on a dry weight basis

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REMARKS:

DIRECTOR

rn = 49243
NYSDOH ID # 10320
**ANALYTICAL PARAMETERS**

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**DATE OF ANALYSIS**

- LRL = Laboratory Reporting Limit

**DIRECTOR**

rn = 49244

NYSDOH ID # 10320
Envirotac Limited  
80 B Air Park Drive  
Ronkonkoma, NY 11779  
ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE: COLLECTED BY: Client
DATE COL'D:12/30/04 RECEIVED:12/30/04
TIME COL'D:1230


Results reported on a dry weight basis

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cc: 

REMARKS: 

LRL=laboratory Reporting Limit

DIRECTOR

rt = 50922  
NYSDOH ID # 10320
LAB NO. 245535.02

Envirotrac Limited
60 B Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96
SOURCE OF SAMPLE: Client
COLLECTED BY: DATE COL'D: 12/30/04 RECEIVED: 12/30/04
TIME COL'D: 12:35

MATRIX: Soil SAMPLE: EP-29

RESULTS REPORTED ON A DRY WEIGHT BASIS

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Remarks:

LRL = laboratory Reporting Limit

rn = 50923

NYSDOH ID # 10320
EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO. 245535.03  
01/03/05  

Envirotac Limited  
80 B Air Park Drive  
Ronkonkoma, NY 11779  
ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg.#96  
DATE COL'D: 12/30/04 RECEIVED: 12/30/04

SOURCE OF SAMPLE COLLECTED BY: Client  
TIME COL'D: 1240

MATRIX: Soil  
SAMPLE: EP-30

Results reported on a dry weight basis

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REMARKS:

 LN=Laboratory Reporting Limit

rn = 50924  
NYSDOH ID # 10320  
Page 1 of 1
EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO. 245535.04

01/03/05

Envirotrac Limited
80 E Air Park Drive
Ronkonkoma, NY 11779

ATTN: Stanley Sucharski

SOURCE OF SAMPLE: BNL, Bldg. #96
SOURCE OF SAMPLE: COLLECTED BY: Client

DATE COL'D: 12/30/04 RECEIVED: 12/30/04
TIME COL'D: 1345

MATRIX: Soil SAMPLE: EP-31

Results reported on a dry weight basis

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cc:

REMARKS:

LRL = laboratory Reporting Limit

rn = 50925
NYSDOH ID # 10320

Page 1 of 1
## Uniform Hazardous Waste Manifest

### Generator's Name and Mailing Address
- **Brookhaven National Laboratory**
- Building 260
- Upton, NY 11973

### Generator's Telephone Number
- 516-282-3277

### Transporter 1 (Company Name)
- Buffalo Fuel Corp.
- US EPA ID Number: NY 1Y1R 01010101 00 00 1 4 1 5 1 7 1 2 1 4

### Transporter 2 (Company Name)

### Designated Facility Name and Site Address
- QVM Chemical Services, LLC
- 1500 Balmer Rd.
- Valley City, OH 44280

### US DOT Description
- H8, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE
- UN3315, II

### Containers

<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Quantity</th>
<th>Unit/Wt.</th>
<th>Waste No.</th>
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<tr>
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<td>29.36</td>
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### Additional Descriptions for Materials Listed Above
- PCB soil > 50 PPM

### Handling Codes for Wastes Listed Above
- L

### Special Handling Instructions and Additional Information
- CHEMTREC Emergency Response Number: (800)424-8300
- VV/NSG Contract ERG-171 SRR 747 526-1

### 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 state laws and regulations.

### Facility Owner or Operator Certification
- Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator's US EPA No.**
   - NYH1514187

2. **Manifest Doc. No.**
   - L Y 246

3. **Page 1 of 1**

4. **Information within heavy bold line is not required by Federal Law.**

5. **Generator's Name and Mailing Address**
   - BROOKHAVEN NATIONAL LABORATORY
   - UPTON, NY 11973

6. **Generator's Telephone Number**
   - (516) 283-4271

7. **Transporter 1 (Company Name)**
   - Hurtle Fuel Corp.
   - NY 11714 01011353 14 01 12

8. **Transporter 2 (Company Name)**
   - NY 11714 01011353 14 01 12

9. **Designated Facility Name and Site Address**
   - CWM CHEMICAL Services, Inc.
   - 1550 BALMERT RD
   - MODEL CITY NY 14107

10. **US EPA ID Number**
    - NY 11714 01011353 14 01 12

11. **US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)**
    - HQ POLYCHLORINATED BIPHENYL, SOLID Mixture, PNC6315

12. **Containers**
    - Number
      - 0
    - Type
      - K
    - Quantity
      - 376

13. **Waste No.**
    - EPA STATE 007

14. **Handling Codes for Wastes Listed Above**
    - L

15. **Special Handling Instructions and Additional Information**
    - CHEMTREC Emergency Response Number (800)424-8500 WMI Contract ERG #171 SR #747.52.6-2
    - PCB USID 12.31.00 Certificate of Disposal Required Item 13 Quantity is Estimated
    - 8/15/207

16. **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.

    If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

**Printed/Typed Name**
- L. Roche

**Signature**
- L. Roche

**Mo. Day Year**
- 01/18/05

17. **Transporter 1 Acknowledgement of Receipt of Materials**

18. **Transporter 2 Acknowledgement of Receipt of Materials**

19. **Discrepancy Indication Space**

**Printed/Typed Name**
- L. Roche

**Signature**
- L. Roche

**Mo. Day Year**
- 01/18/05

**COPY 5-GENERATOR - MAILED BY TSD FACILITY**
<table>
<thead>
<tr>
<th>UNIFORM HAZARDOUS WASTE MANIFEST</th>
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<tr>
<td>Generator’s US EPA No.</td>
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<td>F.</td>
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<td>G.</td>
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<table>
<thead>
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<th>1. Generator’s Name and Mailing Address</th>
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<tr>
<td>BROOKHAVEN NATIONAL LABORATORY</td>
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<tr>
<td>50 BROOKHAVEN AVENUE</td>
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<tr>
<td>UPTON NY 11973</td>
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| 2. Generator’s Telephone Number | (516) 282-321 |

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<tbody>
<tr>
<td>CVM CHEMICAL SERVICES, INC.</td>
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<tr>
<td>150 BALMERA RD</td>
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<td>PORT JUAN, NY 11724</td>
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| 2. Generator’s Telephone Number | (718) 154-8231 |

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<thead>
<tr>
<th>11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)</th>
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<tbody>
<tr>
<td>a. POLYCHELORINATED BI PHENYL S, SOLID MIXTURE, JUNE 23, 2011</td>
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<th>12. Containers</th>
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<tr>
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<th>15. Special Handling Instructions and Additional Information</th>
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<td>WMD Contract ERG #171 SRI 746963-2</td>
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<td>PFB OCS O 1704 Certificate of Disposal Required</td>
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<td>Item 13 Quantity is Estimated</td>
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<td>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 state laws and regulations.</td>
</tr>
</tbody>
</table>

| a. | I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree that I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR I am a smaller generator, I have made good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |

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<thead>
<tr>
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COPY 5-GENERATOR - MAILED BY TSD FACILITY
# UNIFORM HAZARDOUS WASTE MANIFEST

**1. Generator's US EPA No.**

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<th>EPA No.</th>
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**2. Manifest Doc. No.**

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**3. Page 1 of 2**

**4. Information within heavy bold line is not required by Federal Law.**

**5. Generator's Name and Mailing Address**

**BROOKHAVEN NATIONAL LABORATORY**

**STEBEN AVENUE**

**UPTON, NY 11973**

**6. Generator's Telephone Number**

<table>
<thead>
<tr>
<th>Telephone</th>
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<tr>
<td>(315) 284-3277</td>
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**7. Transporter 1 (Company Name)**

**Bennett Fuel Corp.**

**8. US EPA ID Number**

<table>
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**9. Designated Facility Name and Site Address**

**CWM CHEMICALS, INC.**

**MODEL CITY, NY 14107**

**10. US EPA ID Number**

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**11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)**

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<th>Description</th>
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<td>POLYCHLORINATED BIPHENYLS, SOLID MIXTURE. UN2815</td>
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**12. Containers**

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**13. Total Weight** (Wt/Wt)

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**14. Additional Descriptions for Materials listed Above**

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<th>Description</th>
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<td>PCB SOIL &gt; 50 FTW</td>
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**15. Special Handling Instructions and Additional Information**

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<th>Special Instructions</th>
<th>Additional Information</th>
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<td>Certicate of Disposal Requred Item 13 Quantity is Estimated</td>
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**16. 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 state laws and regulations.

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If I am a small generating, I have made a good faith effort to minimize waste generation and select the best waste management method that is available to me and that I can afford.

**Printed/Typed Name**

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>Ted Paturo</td>
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**17. Transporter 1 Acknowledgement of Receipt of Materials**

<table>
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<tr>
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**18. Transporter 2 Acknowledgement of Receipt of Materials**

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<tr>
<td>Lynn Pachoski</td>
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**19. Discrepancy Indication Space**

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**20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Signature</th>
<th>Mo. Day Year</th>
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<tr>
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<td>John Gieseke</td>
<td>10/12/05</td>
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**COPY 5-GENERATOR - MAILED BY TSD FACILITY**
**UNIFORM HAZARDOUS WASTE MANIFEST**

**Generator's Name and Mailing Address**
Brookhaven National Laboratory, Upton, NY 11973.

**Generator's Telephone Number** 516-282-3277

**Transporter 1 (Company Name)**

**Transporter 2 (Company Name)**

**Designated Facility Name and Site Address**
Chemical Services, 1590 Balmer Rd., Noyes, NY 11711.

**US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)**
- RC, Polychlorinated Biphenyls, Solid Mixture, UN2315, II

**Containers**

**Total Quantity**

**Unit**

**Wt/Volume**

**State**

**Waste No.**

**Handling Codes for Waste Listed Above**

**Special Handling Instructions and Additional Information**

**Chemtrec Emergency Response Number** (800)424-4300, WM1 contract EAG1171-58-740961-1

**FCB Out of Service Date** 12/17/07

**Item 13 Quantity is Estimated** 8124635

**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 state laws and regulations.

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**Printed/Typed Name**

**Signature**

**Mo. Day Year**

**Transporter 1 Acknowledgement of Receipt of Materials**

**Signature**

**Mo. Day Year**

**Transporter 2 Acknowledgement of Receipt of Materials**

**Signature**

**Mo. Day Year**

**Facility Owner or Operator:** Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

**Printed/Typed Name**

**Signature**

**Mo. Day Year**

**COPY 5-GENERATOR - MAILED BY TSD FACILITY**
# UNIFORM HAZARDOUS WASTE MANIFEST

<table>
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<th>Generator's Name and Mailing Address</th>
<th>Manifest Doc. No.</th>
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| BROOKHAVEN NATIONAL LABORATORY  
50 BROOKHAVEN AVENUE  
UPTON, NY 11973 | NYH2446615       |

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<thead>
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<thead>
<tr>
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<table>
<thead>
<tr>
<th>Designated Facility Name and Site Address</th>
<th>US EPA ID Number</th>
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</table>
| CVM CHEMICAL SERVICES, L.L.C.  
1550 BALMER RD.  
MODEL CITY NY 14107 |                  |

<table>
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<tr>
<th>Containers</th>
<th>Total Quantity</th>
<th>Unit Wt/Vol</th>
<th>Waste No.</th>
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<tbody>
<tr>
<td>610 11</td>
<td>13862 H</td>
<td>EPA STATE BG07</td>
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<table>
<thead>
<tr>
<th>Additional Descriptions for Materials listed Above</th>
<th>Handling Codes for Waste Listed Above</th>
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</thead>
<tbody>
<tr>
<td>VB7400-PCB SOIL &amp; DEER15</td>
<td>L c</td>
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<table>
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<tr>
<th>Special Handling Instructions and Additional Information</th>
<th>PCB OUT OF SERVICE DATE 11/07/04</th>
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<thead>
<tr>
<th>Generator's Certification</th>
<th>Printed/Typed Name</th>
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</thead>
<tbody>
<tr>
<td>I hereby declare that the contents of this consignment are fully and accurately described above and are properly shipped, and all materials are in accord with the rules and regulations of the U.S. Department of Transportation.</td>
<td>legpalumbo</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Transporter 1 Acknowledgement of Vendor/Reciever</th>
<th>Printed/Typed Name</th>
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<tbody>
<tr>
<td>Timothy W. Elliott</td>
<td>timothywelliott</td>
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<table>
<thead>
<tr>
<th>Transporter 2 Acknowledgement of Receipt of Materials</th>
<th>Printed/Typed Name</th>
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<tbody>
<tr>
<td></td>
<td>michelle fleck</td>
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<table>
<thead>
<tr>
<th>Discrepancy Indication Space</th>
<th>Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 13.</th>
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<tbody>
<tr>
<td>actual load 13330 K</td>
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COPY 5-GENERATOR - MAILED BY TSD FACILITY
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<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>3.</td>
<td>Generator's Name and Mailing Address: Grokkenen National Laboratory, 50 Brookhaven Avenue, Upton, NY 11973</td>
</tr>
<tr>
<td>4.</td>
<td>Generator's Telephone Number</td>
</tr>
<tr>
<td>5.</td>
<td>Transporter 1 (Company Name)</td>
</tr>
<tr>
<td>6.</td>
<td>US EPA ID Number</td>
</tr>
<tr>
<td>7.</td>
<td>Transporter 2 (Company Name)</td>
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<td>8.</td>
<td>US EPA ID Number</td>
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<td>9.</td>
<td>Designated Facility Name and Site Address</td>
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<td>10.</td>
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<td>11.</td>
<td>US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)</td>
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<td>12.</td>
<td>Containers Number</td>
</tr>
<tr>
<td>13.</td>
<td>Type</td>
</tr>
<tr>
<td>14.</td>
<td>Quantity</td>
</tr>
<tr>
<td>15.</td>
<td>Additional Descriptions for Materials Listed Above</td>
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<tr>
<td>16.</td>
<td>Generator's Certification</td>
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**Additional Notes:**
- Item 13 Quantity is estimated.
- PCB out of service date: 12-17-04.
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<tr>
<td>GENERATOR NAME</td>
<td>Generator's Telephone Number</td>
<td>B. SAME</td>
</tr>
<tr>
<td>50 EROCKHAVEN AVENUE UPTON NY 11973</td>
<td>(516) 281-3277</td>
<td>C. SAME</td>
</tr>
<tr>
<td>Buffalo Fuel Corp</td>
<td>N Y R 000 0104 1527 Q</td>
<td>D. SAME</td>
</tr>
<tr>
<td>1560 Balmer Rd. MODEL CITY NY 14107</td>
<td>N Y R 000 0104 1527 Q</td>
<td>E. SAME</td>
</tr>
<tr>
<td>MODEL CITY NY 14107</td>
<td></td>
<td>F. SAME</td>
</tr>
<tr>
<td>CWM CHEMICAL SERVICES, L.L.C</td>
<td></td>
<td>G. SAME</td>
</tr>
<tr>
<td>1560 Balmer Rd. MODEL CITY NY 14107</td>
<td></td>
<td>H. SAME</td>
</tr>
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<td></td>
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<tr>
<td>11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)</td>
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<td></td>
</tr>
<tr>
<td>B. RG, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, UN 2315.11</td>
<td></td>
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</tr>
<tr>
<td>C.</td>
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<td>D.</td>
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<td>H.</td>
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<td>I.</td>
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<td>J. Additional Descriptions for Materials listed Above</td>
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<td>PCB OUT OF SERVICE DATE: 12-17-04</td>
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<tr>
<td>ITEM 13 QUANTITY IS ESTIMATED</td>
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</tr>
<tr>
<td>L.</td>
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<td>M.</td>
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<td>N.</td>
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<td>O.</td>
<td></td>
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<td>P.</td>
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<tr>
<td>Q.</td>
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<td>R.</td>
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<td>S.</td>
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<td>V.</td>
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<td>W.</td>
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<td>X.</td>
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<td>Y.</td>
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<td>Z.</td>
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<tr>
<td>16. Special Handling Instructions and Additional Information</td>
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<tr>
<td>CHEMTREC Emergency Response Number (800)421-0600 WMI Contract 046.6171 OR 746758-1</td>
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<td>2.5 7235.5</td>
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<td>17. Transporter 1 Acknowledgement of Receipt of Materials</td>
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<td></td>
</tr>
<tr>
<td>Printed/Typed Name</td>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>L. Chin</td>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>18. Transporter 2 Acknowledgement of Receipt of Materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printed/Typed Name</td>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>Michelle Fleck</td>
<td>Signature</td>
<td></td>
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<tr>
<td>19. Discrepancy Indication Space</td>
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<tr>
<td>Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19</td>
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<td></td>
</tr>
<tr>
<td>Printed/Typed Name</td>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>Michelle Fleck</td>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>COPY 5-GENERATOR - MAILED BY TSD FACILITY</td>
<td></td>
<td></td>
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</tbody>
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UNIFORM HAZARDOUS WASTE MANIFEST

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

NYH1446588

1. Generator's US EPA No. NYH1446588
2. Manifest Doc. No. NYH1446588

Generator's Name and Mailing Address
BROOKHAVEN NATIONAL LABORATORY
50 BROOKHAVEN AVENUE
UPTON
NY 11973

Generator's Telephone Number (516) 282-3277

Transporter 1 (Company Name) Buffalo Fuel Corp
Transporter 1 (Telephone Number) 716-773-2023
Transporter 3 (Company Name) CWM CHEMICAL SERVICES, LLC
Transporter 3 (Telephone Number) 716-754-8231

Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, LLC
1550 BALMER RD.
MODEL CITY NY 14107

US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)
RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, UN2315, N

Containers Type Total Waste No.
Number Type Quantity

Handling Codes for Waste Listed Above

Additional Descriptions for Materials Listed Above
KB/450-FCE SOIL & DEBRIS

Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800) 424-9300
WMM Control ERG-171.58-4 746088-1
PCB OUT OF SERVICE DATE 12-12-04

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 state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name L. Edwards
Signature /
Printed/Typed Name L. Edwards
Signature /
Printed/Typed Name L. Edwards
Signature /
Printed/Typed Name L. Edwards
Signature /

Discrepancy Indication Space

NYH1446588

COPY 5-GENERATOR - MAILED BY TSD FACILITY
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<th>Field</th>
<th>Value</th>
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<td>US DOT Description</td>
<td>RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 8, UN 2315, II</td>
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<tr>
<td>Waste No.</td>
<td>K</td>
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<tr>
<td>Handling Codes for Wastes Listed Above</td>
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<tr>
<td>PCB Out of Service Date</td>
<td>12-17-04</td>
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<td>Discrepancy Indicator Spec</td>
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<td>Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.</td>
<td>Michelle Flax</td>
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<tr>
<td>Item</td>
<td>Information</td>
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<td>6. US EPA ID Number</td>
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<td>9. Designated Facility Name and Site Address</td>
<td>CVM Chemical Services, LLC</td>
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<td>11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)</td>
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<td>13. Total Quantity</td>
<td>CM1554S</td>
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<tr>
<td>15. Special Handling Instructions and Additional Information</td>
<td>CHEMREC Emergency Response Number (800)421-6300 With Contract ERG171 SR 746084-1</td>
</tr>
<tr>
<td>16. GENERATOR'S CERTIFICATION:</td>
<td>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 proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.</td>
</tr>
<tr>
<td>Printed/Typed Name</td>
<td>LEO P Atumbo</td>
</tr>
<tr>
<td>Printed/Typed Name</td>
<td>JOSEPH MEYERS</td>
</tr>
<tr>
<td>Printed/Typed Name</td>
<td>Eileen Castané</td>
</tr>
<tr>
<td>Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.</td>
<td>Eileen Castané</td>
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COPY 5-GENERATOR - MAILED BY TSD FACILITY
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<tr>
<th>UNIFORM HAZARDOUS WASTE MANIFEST</th>
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<tbody>
<tr>
<td>A. Generator's US EPA No.</td>
</tr>
<tr>
<td>B. Generator's ID</td>
</tr>
<tr>
<td>C. State Wake ID</td>
</tr>
<tr>
<td>D. Transporter's ID</td>
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<tr>
<td>E. State Wake ID</td>
</tr>
<tr>
<td>F. Transporter's Telephone</td>
</tr>
<tr>
<td>G. State Facility ID</td>
</tr>
<tr>
<td>H. Facility Telephone</td>
</tr>
<tr>
<td>I. Waste No.</td>
</tr>
<tr>
<td>J. Additional Descriptions for Materials listed Above</td>
</tr>
<tr>
<td>K. Handling Codes for Wastes Listed Above</td>
</tr>
<tr>
<td>L. State Wake ID</td>
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<td>M. State Wake ID</td>
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<td>X. State Wake ID</td>
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<tr>
<td>Y. State Wake ID</td>
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<td>Z. State Wake ID</td>
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11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)
   a. RQ, POLYCHLORINATED BIPHENYLS, SOLID MATURING, 8
   b. ...
   c. ...
   d. ...

12. Containers Type Quantity Unit Waste No.
   a. EPA STATE B907 STATE EPA STATE STATE EPA STATE EPA STATE STATE
   b. ...
   c. ...
   d. ...

13. Special Handling Instructions and Additional Information
   CHEMTRACE Emergency Response Number (800) 424-9800 3M Contract #116086-1
   FCB OUT OF SERVICE DATE 12/31/66 "ITEM 13 QUANTITY IS ESTIMATED 25,594.55".

16. 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 state laws and regulations.

   If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practical and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future hazard to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [Signature]
Mo. Day Year
17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: [Signature]
Mo. Day Year
18. Discrepancy Indication Space
Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: [Signature]
Mo. Day Year
**UNIFORM HAZARDOUS WASTE MANIFEST**

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<td>D. Transporter's Telephone</td>
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<td>E. State Transporter's ID</td>
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<td>1136-278-206</td>
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<td>F. Transporter's Telephone</td>
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<td>( )</td>
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<tr>
<td>G. State Facility ID</td>
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<td>( )</td>
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<tr>
<td>H. Facility Telephone</td>
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<table>
<thead>
<tr>
<th>3. Generator's Name and Mailing Address</th>
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<tbody>
<tr>
<td>BROOKHAVEN NATIONAL LABORATORY</td>
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<td>50 BROOKHAVEN AVENUE</td>
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<td>UPTON, NY 11973</td>
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<th>5. Transporter 1 (Company Name)</th>
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<tr>
<th>9. Designated Facility Name and Site Address</th>
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<tbody>
<tr>
<td>CVM CHEMICAL SERVICES, L.L.C.</td>
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<tr>
<td>1550 BALMER RD</td>
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<td>MODEL CITY NY 14107</td>
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<th>11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)</th>
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<td>K</td>
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<th>J. Additional Descriptions for Materials listed Above</th>
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<tbody>
<tr>
<td>VEL/AGG-PCB SOIL &amp; DEBRIS</td>
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<th>K. Handling Codes for Wastes Listed Above</th>
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<table>
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<tr>
<th>15. Special Handling Instructions and Additional Information</th>
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<td>E804171 SR *** 746086-2</td>
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<td>PCB OUT OF SERVICE DATE: 12-12-04 &quot;ITEM 13&quot; QUANTITY IS ESTIMATED</td>
</tr>
<tr>
<td>8/15 924954</td>
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</table>

| 16. 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 state laws and regulations. |

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |

Printed/Typed Name:                                    Signature:                          Mo. Day Year:                       | 8/10/05                          |

<table>
<thead>
<tr>
<th>17. Transporter 1 Acknowledgements of Receipt of Materials</th>
</tr>
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<tbody>
<tr>
<td>Printed/Typed Name: Timothy M. Ettie</td>
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<td>Signature:</td>
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<th>18. Transporter 2 Acknowledgements of Receipt of Materials</th>
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<th>19. Discrepancy Indication Space: Actual 16320 K</th>
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<th>J. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.</th>
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<tr>
<td>Printed/Typed Name: Ryan Biechowski</td>
</tr>
<tr>
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</tr>
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<td>Mo. Day Year: 01/05/05</td>
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COPY 5-GENERATOR - MAILED BY TSD FACILITY
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA No. NYH1446579


3. Information within heavy bold line is not required by Federal Law.

**GENE R A T O R**

- **Name:** BROOKHAVEN NATIONAL LABORATORY
- **Address:** 50 BROOKHAVEN AVENUE
- **City:** UPTON
- **State:** NY
- **ZIP:** 11973
- **Phone:** (516) 282-3277

**Transporter 1 (Company Name):** Buffalo Fuel Corp

**Transporter 2 (Company Name):**

**Designated Facility Name and Site Address:**

- **Name:** CWM CHEMICAL SERVICES, LLC
- **Address:** 1500 BALMER RD.
- **City:** M O D E L C I T Y NY
- **ZIP:** 11707

**US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number):**

- **Material:** POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, UN2315, II

**Containers:**

- **Type:** EPA
- **Total Quantity:** 18.5
- **Wt./Vol.:** 18.5%

**Handling Codes for Wastes Listed Above:**

- **Code:** L

16. **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 state laws and regulations.

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**Printed/Typed Name:** Leo Robin
**Signature:**
**Date:** 1/1/05

**Transporter 1 Acknowledgement of Receipt of Materials**

**Printed/Typed Name:**
**Signature:**
**Date:** 1/1/05

**Transporter 2 Acknowledgement of Receipt of Materials**

**Printed/Typed Name:**
**Signature:**
**Date:** 1/1/05

**Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.**

**Printed/Typed Name:** Michelle Pike
**Signature:**
**Date:** 1/1/05

**COPY 5-GENERATOR - MAILED BY TSD FACILITY**
### UNIFORM HAZARDOUS WASTE MANIFEST

<table>
<thead>
<tr>
<th>Generator's Name and Mailing Address</th>
<th>UPTON NY 11973</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generator's Phone</td>
<td>516-282-3277</td>
</tr>
<tr>
<td>Transporter 1 Company Name</td>
<td>Heriot Truck Inc.</td>
</tr>
<tr>
<td>Transporter 2 Company Name</td>
<td></td>
</tr>
<tr>
<td>Designated Facility Name and Site Address</td>
<td>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</td>
</tr>
<tr>
<td>US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)</td>
<td>RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, UN2315,II</td>
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<tr>
<th>Item</th>
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<th>Type</th>
<th>Quantity</th>
<th>Waste No.</th>
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<td>5</td>
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</tbody>
</table>

### Additional Descriptions for Materials Listed Above
- VB7449 PCB SOIL < 50 PPM

### Special Handling Instructions and Additional Information
- CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG #171 SR #7.42-953-1 81591379
- PCB OSD II-129104 Certificate of Disposal Required "ITEM 13" QUANTITY IS ESTIMATED 6/0/20100

### GENERATORS 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 government regulations and state laws and regulations.
- If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

### TRANSPORTER ACKNOWLEDGMENT
- Printed/Typed Name: Leo Salerno
- Signature: [Signature]
- Month Day Year: 12/01/04

### TRANSPORTER 2 ACKNOWLEDGEMENT
- Printed/Typed Name: Paul Furt
- Signature: [Signature]
- Month Day Year: 12/10/04

### FACILITY ACKNOWLEDGEMENT
- Printed/Typed Name: Michelle Fleck
- Signature: [Signature]
- Month Day Year: 11/20/04

*Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.*
# Uniform Hazardous Waste Manifest

**Generator's Name and Mailing Address**
BROOKHAVEN NATIONAL LABORATORY
50 BROOKHAVEN AVENUE
UPTON NY 11973

**Generators Phone** 516-282-3277

**Transporter 1 Company Name** Horwith Trucks, Inc

**US EPA ID Number** PAH-14.6.7.1.48.78

**Transporter 2 Company Name**

**US EPA ID Number**

**Designated Facility Name and Site Address**
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107

**NY.D.0.4.9.8.3.6.8.7.9**

**US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)**

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<th>item</th>
<th>description</th>
<th>containers no.</th>
<th>type</th>
<th>total quantity</th>
<th>unit</th>
<th>waste no.</th>
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<tr>
<td>A</td>
<td>RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.</td>
<td>0 - 0 - 1</td>
<td>C. M.</td>
<td>1.4.5.3.6 K</td>
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**Additional Descriptions for Materials Listed Above**

- VB7449
- PCB SOIL < 50 PPM

**Handling Codes for Wastes Listed Above**

K

**Special Handling Instructions and Additional Information**
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG #171 SR #74A-953-2 81691380

**Certificate of Disposal Required** "ITEM 13" QUANTITY IS ESTIMATED

**Generators 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 government regulations and state laws and regulations.

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**Transporter 1 Acknowledgement of Receipt of Materials**
**Transporter 2 Acknowledgement of Receipt of Materials**

**Discrepancy Indication Space**

Ret Rec 13/26 K

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

**Facility Name and Mailing Address**
CWMI
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.: NY-7-8-9-0-0-0-8-8-7-5
   Information within heavy bold line is not required by Federal law.

4. Generator's Phone: 516-282-3277

5. Transporter 1 Company Name: Horne, Inc.
   US EPA ID Number: P.A.D.1.4.6.7.1.7.7.8

6. Designated Facility Name and Site Address:
   CWMM CHEMICAL SERVICES, L.L.C.
   1550 BALMER RD.
   MODEL CITY NY 14107
   US EPA ID Number: N.Y.D.0.4.9.8.3.6.6.7.9
   Facility's Phone: (716)754-8231

7. Transporter 2 Company Name:
   US EPA ID Number:

8. State Transporter's ID:
   TX369251FA

9. State Facility's ID:

10. Transporter's Phone: 1-800-220-8807

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number):
    a. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, B,LN2315,II
    b.  
    c.  
    d.  
    e.  

12. Containers No. Type Total Quantity Unit Waste No. 
    a.  
    b.  
    c.  
    d.  
    e.  

13. Additional Descriptions for Materials Listed Above:
    a. PCB SOIL < 50 PPM

14. Handling Codes for Wastes Listed Above:
    L

15. Special Handling Instructions and Additional Information:
    CHEMTEC Emergency Response Number (800)424-9300 WMI Contract ERG #171 SR#  
    PCB OSD 12/11/04 Certificate of Disposal Required "ITEM 13" QUANTITY IS ESTIMATED

16. GENERATORS 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 government regulations and state laws and regulations. If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17. Transporter 1 Acknowledgment of Receipt of Materials
    Printed/Typed Name: Leopoldo Peralta
    Signature:  
    Month Day Year: 11.30.04

18. Transporter 2 Acknowledgment of Receipt of Materials
    Printed/Typed Name: Wilfried Wittmann
    Signature:  
    Month Day Year: 11.30.04

19. Discrepancy Indication Space
    Act#: 15350K
    Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Michelle Friel
Signature:  
Month Day Year: 12/30/04

**ORIGINAL-RETURN TO GENERATOR**
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.  |  N.Y.7.8.9.0.0.8.9.7.5  
2. Manifest Doc. No.  |  WH.1.14  
3. Page 1 of 1  
4. Information within heavy bold line is not required by Federal law.  

A. ManifestDocumentNumber  |  UHWM 002464  
B. State Generator's ID  |  SAME  
C. State Generator's ID  |  SAME  
D. Transporter's ID  |  E1450683  
E. Transporter's ID  |  WY222-29  
F. Transporter's ID  |  WY222-29  
G. State Facility's ID  |  SAME  
H. Facility's Phone  |  (716)754-8231  

5. Transporter 1 Company Name  |  Horner Trucks Inc.  
6. US EPA ID Number  |  PA014671073  
7. Transporter 2 Company Name  |  SAME  
8. US EPA ID Number  |  SAME  
9. Designated Facility Name and Site Address  |  CVM CHEMICAL SERVICES, L.L.C.  
   |  1550 BALMER RD.  
   |  MODEL CITY NY 14107  
10. US EPA ID Number  |  SAME  
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  |  XQ. POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9\;UN2345.11  
12. Containers No.  |  0  
13. Total Quantity  |  1.5036  
14. Unit Wt/Vol  |  L  
15. Handling Codes for Wastes Listed Above  |  K  
16. Special Handling Instructions and Additional Information  
   |  CHEMTREC Emergency Response Number (800)424-9500 WMI Contract ERG #171 SR #749-053-4  
   |  PCB OSD 12/1/04 Certificate of Disposal Required "ITEM 13" QUANTITY IS ESTIMATED  
   |  81591405  
17. Transporter 1 Acknowledgement of Receipt of Materials  
   |  Signature  
   |  Month Day Year  
18. Transporter 2 Acknowledgement of Receipt of Materials  
   |  Signature  
   |  Month Day Year  
19. Discrepancy Indication Space  

**Printed/Typed Name**  |  Lee Sabato  
**Signature**  |  [Signature]  
**Month Day Year**  |  1/20/04  

**Printed/Typed Name**  |  Richard Fackel  
**Signature**  |  [Signature]  
**Month Day Year**  |  1/20/04  

**Printed/Typed Name**  |  Michelle Fleck  
**Signature**  |  [Signature]  
**Month Day Year**  |  1/3/04  

---

**ORIGINAL-RETURN TO GENERATOR**
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.  N.Y.7.8.0.0.0.8.9.7.5  
2. Manifest Doc. No.  w.y.1.3  
3. Information within heavy bold line is not required by Federal law.

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<th>4. Generator's Name and Mailing Address</th>
<th>5. Transporter 1 Company Name</th>
<th>6. US EPA ID Number</th>
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<td>BROOKHAVEN NATIONAL LABORATORY</td>
<td>Horwitz Trucks, Inc</td>
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<td>5. Transporter 1 Phone</td>
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<td>6. Transporter 1 Phone</td>
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<td>MODEL CITY NY 14107</td>
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<td>7. Transporter 2 Phone</td>
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<td>716-754-8231</td>
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<td>9. Designated Facility Name and Site Address</td>
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<tr>
<td>10. US EPA ID Number</td>
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<td>N.Y.D.6.8.3.5.6.7.0</td>
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<tr>
<td>H. Facility's Phone</td>
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<tr>
<td>(716)754-8231</td>
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11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

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<th>No.</th>
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<tr>
<td>a.</td>
<td>RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, UN2315, 11</td>
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<tr>
<td>b.</td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td></td>
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<td>d.</td>
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<td>No.</td>
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<td>C.M.</td>
<td>39.90</td>
<td>K</td>
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15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG #171 SR #742953-3 8/19/06

PCB OSD -1-104 Certificate of Disposal Required  "ITEM 13" QUANTITY IS ESTIMATED

16. 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 government regulations and state laws and regulations.

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Printed/Typed Name: L. B. Lafferty  
Signature: L. B. Lafferty  
Month Day Year: 12/20/04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name:  
Signature:  
Month Day Year: 12/20/04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:  
Signature:  
Month Day Year: 11/20/04

19. Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
**UNIFORM HAZARDOUS WASTE MANIFEST**

   N.Y.7.0 9.0 0.0 8.9 7.5  

2. Manifest Doc. No. WY1.16  

3. Page 1 of 1  

4. Information within heavy bold line is not required by Federal law.

5. Generator's Name and Mailing Address  
   BROOKHAVEN NATIONAL LABORATORY  
   50 BROOKHAVEN AVENUE  
   UPTON NY 11973  

6. Generator's Phone (516) 282-3277  

7. Transporter 1 Company Name  
   HORWITCH TRS LNC  
   P.O.D 44747  

8. US EPA ID Number  
   PA 01.4 67.14 8.788  

9. Transporter 2 Company Name  
   ...  

10. US EPA ID Number  
    ...  

11. Designated Facility Name and Site Address  
    CWM CHEMICAL SERVICES, L.L.C.  
    1550 BALMER RD.  
    MODEL CITY NY 14107  

12. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  
   HM X  
   PC POLYCHLORINATED BIPHENYLs, SOLID MIXTURE,  
   9,UN2315,II  

13. Containers Type  
    No. 0.01  
    Unit 12000  

14. Total Weight  
    lb  

15. Special Handling Instructions and Additional Information  
   PCB SOIL < 50 PPM  
   PCB TRASH < 50 PPM  
   PCB OIL < 50 PPM  
   PCB OIL COATING < 50 PPM  
   PCB OIL TRASH < 50 PPM  

16. 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 government regulations and state laws and regulations. If I am a large volume generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17. Transporter 1 Acknowledgement of Receipt of Materials  
   Printed/Typed Name  
   LEO SALMANS  
   Signature  
   ...  
   Month Day Year  

18. Transporter 2 Acknowledgement of Receipt of Materials  
   Printed/Typed Name  
   JERRY L. ANDREWS  
   Signature  
   ...  
   Month Day Year  

19. Discrepancy Indication Space  
   ...  
   ...  
   ...  

Printed/Typed Name  
Michelle Flock  
Signature  
...  
Month Day Year  
...  

---  

**ORIGIN-RETURN TO GENERATOR**
# UNIFORM HAZARDOUS WASTE MANIFEST

**1. Generator's US EPA ID No.** N.Y.7.8.9.0.0-0.8.9.7.5  
**2. Manifest Doc. No.** W4.1.7  
**3. Generator's Name and Mailing Address** BROOKHAVEN NATIONAL LABORATORY \ 50 BROOKHAVEN AVENUE \ UPTON NY 11973  
**4. Generator's Phone** 516-282-3277  
**5. Transporter 1 Company Name** HORWITZ TRUCKS INC  
**6. US EPA ID Number** P.A.D.1.4.6.7.1.4.8.7.8  
**7. Transporter 2 Company Name**  
**8. US EPA ID Number**  
**9. Designated Facility Name and Site Address** CVM CHEMICAL SERVICES, LLC. \ 1550 BALMER RD. \ MODEL CITY NY 14107  
**10. US EPA ID Number** N.Y.D.0.4.9.8.3.5.6.7.9  
**A. Manifest Document Number** UHWM 002461  
**B. State Generator's ID** SAME  
**C. State Transporter's ID** X.Y-5.2.104.1  
**D. Transporter's Phone** 610-261.2220  
**E. State Transporter's ID**  
**F. Transporter's ID**  
**G. State Facility's ID**  
**H. Facility's Phone** (716)754-8231  
**11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)**  
**12. Containers**  
**13. Total**  
**14. Unit**  
**15. Waste No.**  
**X. RQ. POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9,UN2315,II**  
<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Quantity</th>
<th>Unit</th>
<th>Waste No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-0-1</td>
<td>C-M</td>
<td>1.0890</td>
<td>K</td>
<td></td>
</tr>
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<td></td>
</tr>
</tbody>
</table>

**16. 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 government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR If I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

**Printed/Typed Name**  

**Signature**  

**Month Day Year**  

**17. Transporter 1 Acknowledgement of Receipt of Materials**  

**Printed/Typed Name**  

**Signature**  

**Month Day Year**  

**18. Transporter 2 Acknowledgement of Receipt of Materials**  

**Printed/Typed Name**  

**Signature**  

**Month Day Year**  

**19. Discrepancy Indication System**  

**Actual Rec'd** 10850K  

**20. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19.**  

**Printed/Typed Name**  

**Signature**  

**Month Day Year**  

**ORIGINAL-RETURN TO GENERATOR**
1. Generator's US EPA ID No. N.Y.7.8.9.0.0.0.8.9.7.5
2. Manifest Doc. No. W.Y.1.1.8
3. Generator's Name and Mailing Address BROOKHAVEN NATIONAL LABORATORY 50 BROOKHAVEN AVENUE UPTON NY 11973
4. Generator's Phone (516) 282-3277
5. Transporter 1 Company Name Horwitz Trucks INC
6. US EPA ID Number PA014674878
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address CWMS CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107
10. US EPA ID Number
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
   a. RG, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9,UN2335,II
12. Containers No. Type Total Quantity Unit Waste No.
   a. 0.0.1 C.M. 1.3.1.73 K
   b. 
   c. 
   d. 
    
\[
\text{a. V67449} \\
\text{PCB SOIL < 50 PPM} \\
\text{b. CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG #171 SR #743506-1} \\
\text{PCB OSD 212104 Certificate of Disposal Required "ITEM 13 QUANTITY IS ESTIMATED" 8/59/561} \\
\text{16. 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 government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR If I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.} \\
\text{Printed/Typed Name:} \\
\text{Lino Colonno} \\
\text{Signature:} \\
\text{Month Day Year:} 12/6/09 \\
\text{17. Transporter 1 Acknowledgement of Receipt of Materials} \\
\text{Printed/Typed Name:} \\
\text{Richard KACE} \\
\text{Signature:} \\
\text{Month Day Year:} 12/6/09 \\
\text{18. Transporter 2 Acknowledgement of Receipt of Materials} \\
\text{Printed/Typed Name:} \\
\text{Signature:} \\
\text{Month Day Year:} \\
\text{19. Discrepancy Indication Space} \\
\text{Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.} \\
\text{Printed/Typed Name:} \\
\text{Signature:} \\
\text{Month Day Year:} 12/6/09
**UNIFORM HAZARDOUS WASTE MANIFEST**

N.Y.7.8.9.0.0.89.9.5.M4.2.1.7

2. Page 1

3. Information within heavy bold line is not required by Federal Law.

4. Generator's Name and Mailing Address
Brookhaven National Laboratory
50 Bromkirk Ave
Upton NY 11973

5. Generator's Phone (816) 282-3027

6. US EPA ID Number

7. Transporter 1 Company Name

8. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
CWM Chemical Services LLC
1560 Balsam Rd
Model City NY 14107

9. Designated Facility Name and Site Address

10. US EPA ID Number

N.Y.D.0.4.0.9.8.5.6.7.9

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

A. Polychlorinated Biphenyls Solid mixture

B. UN2315.1

C. 0.01 cm 1.6445 K

12. Containers

13. Total Quantity

14. Unit Weight/Volume

15. Unit Weight/Volume

16. Generator's Certification: I hereby declare that the contents of this container 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 government regulations and state laws and regulations.

17. Transporter 1 Acknowledgment of Receipt of Materials

18. Transporter 2 Acknowledgment of Receipt of Materials

19. Discrepancy Indication Space

Actual Receipt: W0919 K

20. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

**ORIGINAL-RETURN TO GENERATOR**
### UNIFORM HAZARDOUS WASTE MANIFEST

**Generator's Name and Mailing Address**
Brookhaven National Laboratory
50 Brookhaven Road
Upton NY 11973

**Generator's Telephone Number**
1. 516-282-3277

**Transporter 1 Company Name**
Herren Truck Inc

**Transporter 2 Company Name**

**Desired Facility Name and Site Address**
CWM Chemical Services LLC
1550 Balmer Rd
Medford NY 11763

**US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)**

<table>
<thead>
<tr>
<th>Container</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RG. Polychlorinated Biphenyls, Solid Mixture, UN Number 2315.11</td>
<td>0.01 cm³, 5456.3 kg</td>
</tr>
</tbody>
</table>

**Additional Descriptions for Materials Listed Above**

**Special Handling Instructions and Additional Information**
CHEMTREC: Emergency Response Number (900)424-9300

**Manufacturer's Certification**
I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

**Transporter 1 Acknowledgement of Receipt of Materials**
Signature: [Signature]
Month Day Year: 10/10/2004

**Transporter 2 Acknowledgement of Receipt of Materials**
Signature: [Signature]
Month Day Year: 1/21/2004

**Facility Owner or Operator: Certification of Receipt of Waste Materials Covered by this Manifest except as noted in Item 19**
Actual Receipt 15386 K

**Discrepancy Indication Space**

| Name: Wynn Brechowsky | Signature: [Signature] | Month Day Year: 12/08/2004 |

**ORIGINAL-RETURN TO GENERATOR**
## UNIFORM HAZARDOUS WASTE MANIFEST

### 1. Generator's US EPA ID No.:
W4J.2G 89.00.089.75

### 2. Manifest Doc. No.:
W4J.2G 6

### A. Manifest Document Number:
UHWM 002471

### B. State Generator's ID:
Same

### C. State Transporter's ID:
X6L-491339349

### D. Transporter's Phone:
800-220-8607

### E. State Transporter's ID:

### F. Transporter's Phone:

### G. State Facility's ID:

### H. Facility's Phone:
(716) 754-8891

### 9. Designated Facility Name and Site Address:

### CVM Chemical Services LLC
1530 Palmar Rd
Mill City WI 14167

### 10. US EPA ID Number:

### 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number):

### a. RQ Polyurethane Resins, 1S HN 3015.11

<table>
<thead>
<tr>
<th>Containers</th>
<th>Total Quantity</th>
<th>Unit Weight/Yield</th>
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</thead>
<tbody>
<tr>
<td>0.01 cu m</td>
<td>1.5582 K</td>
<td></td>
</tr>
</tbody>
</table>

### J. Additional Descriptions for Materials Listed Above:

### A. 487449

### B. PCB Soil < 5 ppm

### 15. Special Handling Instructions and Additional Information:

### 16. 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 government regulations and state laws and regulations.

If I am a large generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and/or have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

### Printed/Typed Name:
Leo Lauro

### Signature:

### Date:
2/23/04

### Certificate of Discarded Waste North Carolina

### Printed/Typed Name:
Terry L. Siler

### Signature:

### Date:
3/2/04

### Printed/Typed Name:
Greg Nye

### Signature:

### Date:
1/20/04

### Printed/Typed Name:
Michelle Fleck

### Signature:

### Date:
11/21/04

### 18. Transporter 2 Acknowledgement of Receipt of Materials

### 19. Discrepancy Indication Space:

### Actual Reel:
15685 K

### Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

### Printed/Typed Name:
Michelle Fleck

### Signature:

### Date:
11/21/04

### ORIGINAL-RETURN TO GENERATOR
**UNIFORM HAZARDOUS WASTE MANIFEST**

<table>
<thead>
<tr>
<th>Generator's Name and Mailing Address</th>
<th>A. Manifest Document Number</th>
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<tbody>
<tr>
<td>Brookhaven National Laboratory</td>
<td>UHWM 002472</td>
</tr>
<tr>
<td>50 Bromoacetyl Pkwy</td>
<td></td>
</tr>
<tr>
<td>Upton, NY 11973</td>
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</table>

<table>
<thead>
<tr>
<th>Generator's Phone</th>
<th>B. State Generator's ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>(631) 324-3217</td>
<td>Same</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transporter 1 Company Name</th>
<th>C. State Transporter's ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horwich Trucks Inc.</td>
<td>X5 88701 (PA)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transporter 2 Company Name</th>
<th>D. Transporter's Phone</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Designated Facility Name and Site Address</th>
<th>E. State Transporter's ID</th>
</tr>
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<tbody>
<tr>
<td>CVM Chemical Services, LLC</td>
<td>800-220-8807</td>
</tr>
<tr>
<td>1560 Westmore Rd.</td>
<td></td>
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<tr>
<td>Medford, NY 11767</td>
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<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>[RA Polychlorinated Biphenyls Solid Mixture]</td>
<td>0.01</td>
<td>1.2654 K</td>
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<table>
<thead>
<tr>
<th>Additional Descriptions for Materials Listed Above</th>
<th>K. Handling Codes for Wastes Listed Above</th>
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<tbody>
<tr>
<td>PCB Soil 2.50 ppm</td>
<td>L</td>
</tr>
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<table>
<thead>
<tr>
<th>Special Handling Instructions and Additional Information</th>
<th>16. 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 government regulations and state laws and regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMTREC Emergency Response Number: (800)424-9300 WMT Contract: ERB9711 SR#744015-1</td>
<td></td>
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</table>

| PCB 05D 1/12/04 (Generation, Required: 1/13% Quantity is estimated) |                                      |

<table>
<thead>
<tr>
<th>Printed/Typed Name</th>
<th>Signature</th>
<th>Month Day Year</th>
</tr>
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<tbody>
<tr>
<td>Leo Palumbo</td>
<td></td>
<td>1/20/9104</td>
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<table>
<thead>
<tr>
<th>Transporter 1 Acknowledgement of Receipt of Materials</th>
<th>Printed/Typed Name</th>
<th>Signature</th>
<th>Month Day Year</th>
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<tbody>
<tr>
<td></td>
<td>Jeff Westman</td>
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<td>1/20/9104</td>
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<th>Transporter 2 Acknowledgement of Receipt of Materials</th>
<th>Printed/Typed Name</th>
<th>Signature</th>
<th>Month Day Year</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Michelle Fleck</td>
<td></td>
<td>1/21/0104</td>
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<tr>
<th>Discrepancy Indication Space</th>
<th>Printed/Typed Name</th>
<th>Signature</th>
<th>Month Day Year</th>
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</thead>
<tbody>
<tr>
<td>actual receipt</td>
<td>Michelle Fleck</td>
<td></td>
<td>1/21/0104</td>
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</tbody>
</table>

**ORIGINAL-RETURN TO GENERATOR**
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.  \( W-47.8.90.008.97.5 \)  
2. Manifest Document No.  \( W-47.8.90.008.97.5 \)  
3. Page 1 of 1  
4. Information within heavy bold line is not required by Federal law.  
5. A. Manifest Document Number:  \( UHWM.002473 \)  
6. B. State Generator's ID: Same  
7. C. State Generator's ID: Same  
8. D. State Transports's ID: Same  
9. E. State Transports's ID: Same  
10. F. Transports's Phone:  \( (716) 754-8231 \)  
11. G. State Facility's ID: None  
12. H. Facility's Phone: None  
13. 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  
15. 13. Total Quantity  
16. 14. Unit Weight/Volume  
17. 1. Waste No.  
18. a.Description: Aqueous, biphenyls, 3,4 and Toluene  
19. b. UN 2315.11  
20. c.  
21. d.  
22. e.  
23. f.  
24. g.  
25. h.  
26. 1. Additional Descriptions for Materials Listed Above  
27. a. PCB Soil  
28. b.  
29. c.  
30. d.  
31. e.  
32. f.  
33. g.  
34. h.  
35. 2. Handling Codes for Wastes Listed Above: L  
36. 15. Special Handling Instructions and Additional Information  
37. a.  
38. b.  
39. c.  
40. d.  
41. e.  
42. f.  
43. g.  
44. h.  
45. 16. 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 in accordance with applicable international and government regulations and state laws and regulations.  
46. a. If I am a large generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.  
47. a. Printed/Typed Name: John Doe  
48. b. Signature: John Doe  
49. c. Month Day Year: 1/20/02  
50. 17. Transporter 1 Acknowledgement of Receipt of Materials  
51. a. Printed/Typed Name: Tom Duck  
52. b. Signature: Tom Duck  
53. c. Month Day Year: 1/20/02  
54. 18. Transporter 2 Acknowledgement of Receipt of Materials  
55. a. Printed/Typed Name: Michelle Flick  
56. b. Signature: Michelle Flick  
57. c. Month Day Year: 11/20/04  
58. 19. Discrepancy Indication Space:  
59. a. Actual Receiving: 10511K  
60. b. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19.  
61. a. Printed/Typed Name: Michelle Flick  
62. b. Signature: Michelle Flick  
63. c. Month Day Year: 11/20/04  
64. 20. ORIGINAL-RETURN TO GENERATOR
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.  NY 7.8.9.0.0.0.8.9.7.5
2. Manifest Doc. No. W.4.2.1.5

**GENERATOR**

<table>
<thead>
<tr>
<th>Generator's Name and Mailing Address</th>
<th>B. State Generator's ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brookhaven National Laboratory</td>
<td>Same</td>
</tr>
<tr>
<td>50 Brookhaven Ave.</td>
<td></td>
</tr>
<tr>
<td>Upton, NY 11793</td>
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<tr>
<td>Generator’s Phone (Silo 1) 282-3277</td>
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<table>
<thead>
<tr>
<th>Transporter 1 Company Name</th>
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</thead>
<tbody>
<tr>
<td>Horwitz TRK52VC</td>
<td>PA.0.1.4.6.7.1.4.8.7.8</td>
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<table>
<thead>
<tr>
<th>Transporter 2 Company Name</th>
<th>US EPA ID Number</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Designated Facility Name and Site Address</th>
<th>US EPA ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNM Chemical Services, LLC</td>
<td></td>
</tr>
<tr>
<td>1550 Balmer Rd.</td>
<td></td>
</tr>
<tr>
<td>Model City, NY 14107</td>
<td></td>
</tr>
<tr>
<td>(11W) 754-8231</td>
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<table>
<thead>
<tr>
<th>US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)</th>
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<tbody>
<tr>
<td>b. [R][R], Polychlorinated Biphenyls, Solid Mixture, X 9, UN 313-614-11</td>
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<tr>
<td>0.01 cm / 161.45 K</td>
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</tbody>
</table>

<table>
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<tr>
<th>Additional Descriptions for Materials Listed Above</th>
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</thead>
<tbody>
<tr>
<td>a. [R][R], Polychlorinated Biphenyls, Solid Mixture</td>
</tr>
<tr>
<td>PCB soil 2.50 ppm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Handling Codes for Wastes Listed Above</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
</tr>
</tbody>
</table>

15. Special Handling Instructions and Additional Information

| CHEMTREC Emergency Response Number | (800) 424-9300 WMT Contract ERO+171 $9.743,618-
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>PCB ODP 12.1.2.104 Certificate of Disposal Required &quot;Item 13&quot; City Is Estimated</td>
<td></td>
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</tbody>
</table>

16. GENERATORS 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 government regulations and state laws and regulations.

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Printed/Typed Name: Leo Palumbo
Signature: [Signature]
Month Day Year: 2/20/88

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Jerry L. Andrews
Signature: [Signature]
Month Day Year: 3/20/80

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: [Printed/Typed Name]
Signature: [Signature]
Month Day Year: [Month Day Year]

19. Discrepancy Indication Space
Printed/Typed Name: [Printed/Typed Name]
Signature: [Signature]
Month Day Year: [Month Day Year]

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Michelle Peace
Signature: [Signature]
Month Day Year: [Month Day Year]

ORIGINAL-RETURN TO GENERATOR
UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N.Y.7.890.0.0.0.8.7.5 W4.21.4
2. Page 1 Information within heavy bold line is not required by Federal law.

A. Manifest Document Number UHWM 002470
B. State Generator's ID Same

C. State Transporter's ID 87-35027-99
D. Transporter's Phone 610-241-722

E. State Transporter's ID
F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone (716)-754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. RQ Polychlorinated B-phenyls, Solid Material 0.01 cm 1.4.05.9 K

b.
c.
d.

J. Additional Descriptions for Materials Listed Above

16. Special Handling Instructions and Additional Information

CHMATEC Emergency Response Number (800)424-9500 WML Contact ERG*17 MIR*94514-2
PCB 050 10 12 1.04 Certificate of Disposal Required Item 12.9.4, Est.

16. GENERATORS 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 national and government regulations and state laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management methods that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

Act De. 14524 K

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year
UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY:7.890.00.09756
2. Manifest Doc. No. W.4.2.1.1
3. Information within heavy bold line is not required by Federal law.

Generator's Name and Mailing Address: Brookhaven National Laboratory, 50 Brookhaven Ave, Upton NY 11973
Generator's Telephone: (516) 282-3277

Transporter 1 Company Name: Horneseck Trucks Inc.
Transporter 2 Company Name: Horneseck Trucks Inc.

Designated Facility Name and Site Address: CWM Chemical Services LLC, 1550 Badger Rd, N. Y. D. O. 0.4. 9. 8. 3. 6. 6. 9.

DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number):

a. QA Polychlorinated Biphenyls Sol:1 mixture
   0.01 cm 10.64 lb

Handling Codes for Wastes Listed Above: L

Special Handling Instructions and Additional Information:

Chemtrec Emergency Response (800) 424-9300 WMI Contract ERC# 171 SR# 743597-1

Certificate of Disposal Required: "Item 15" Quantity is Est.

Generators 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 government regulations and state laws and regulations.

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Printed/Typed Name: Leo Palumbo
Signature: L
Month Day Year: 12/07/04

Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lenny J Brydgel
Signature: Lenny J Brydgel
Month Day Year: 12/07/04

Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature: Lenny J Brydgel
Month Day Year: 12/07/04

Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Dwan Prechowski
Signature: Dwan Prechowski
Month Day Year: 12/07/04

Actual Read: 10378 K

ORIGINIAL-RETURN TO GENERATOR
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator's US EPA ID No.**
   - NY.7.8.90.66.8.97.5

2. **Manifest Doc. No.**
   - WY.2.1.9

3. **Generator's Name and Mailing Address**
   - Brookhaven National Laboratory
   - 700 Boro Park Ave
   - Upton, NY 11973

4. **Generator's Phone**
   - (631) 248-3277

5. **Transporter 1 Company Name**
   - Horizon Trucks Inc

6. **Transporter 1 US EPA ID Number**
   - 16114-68-878

7. **Transporter 2 Company Name**

8. **Transporter 2 US EPA ID Number**

9. **Designated Facility Name and Site Address**
   - Cling Chemical Services LLC
   - 5500 Belmar Rd
   - Lakewood City 15 1967

10. **Facility's Phone**
    - (716) 764-8331

11. **US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)**
    - a. Q8 Polychlorinated Biphenyls, Solid, mixed
       - Est. 0.01 cmO.79.90 K

12. **Containers**
    - Total Quantity
    - Unit Weight/Volume

13. **Waste No.**

14. **Additional Descriptions for Materials Listed Above**
    - qg 187.449
    - PCB 501 < 50 ppm

15. **Handling Codes for Wastes Listed Above**
    - L

16. **Special Handling Instructions and Additional Information**
    - CHEMTREC Emergency Response No. (800) 424-9302
      - PCB 194.302
      - PCB 194.303

17. **Transporter 1 Acknowledgement of Receipt of Materials**
    - Printed/Typed Name: Tom Reck
    - Signature: [Signature]
    - Month Day Year: 1/2/3/04

18. **Transporter 2 Acknowledgement of Receipt of Materials**
    - Printed/Typed Name: Michelle Flack
    - Signature: [Signature]
    - Month Day Year: 1/2/14

19. **Discrepancy Indicating Space**
    - Actual load: 8319 K

---

**Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

- Printed/Typed Name: Michelle Flack
- Signature: [Signature]
- Month Day Year: 1/2/14

---

**ORIGINAL-RETURN TO GENERATOR**
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. 0-9-8-7-6-5-4-3-2-1
2. Manifest No. 0-9-8-7-6-5-4-3-2-1
3. Page 1 of 1
4. Information within heavy bold line is not required by Federal law.

<table>
<thead>
<tr>
<th>A. Manifest Document Number</th>
<th>UHWM 002476</th>
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<tbody>
<tr>
<td>B. State Generator's ID</td>
<td>Same</td>
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<tr>
<td>C. State Transporter's ID</td>
<td>XT 369425</td>
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<tr>
<td>D. Transporter's Phone</td>
<td>800-220-8807</td>
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<tr>
<td>E. State Transporter's ID</td>
<td></td>
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<tr>
<td>F. Transporter's Phone</td>
<td></td>
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<tr>
<td>G. State Facility's ID</td>
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</tr>
<tr>
<td>H. Facility's Phone</td>
<td></td>
</tr>
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5. Transporter 1 Company Name: Horn, Truck Inc
6. US EPA ID Number: IPAD.1.4.G.7.1.4.8.7.8
7. Transporter 2 Company Name: Horn, Truck Inc
8. US EPA ID Number: IPAD.1.4.G.7.1.4.8.7.8

9. Designated Facility Name and Site Address:
   - EWMA Chemical Services LLC
   - 1350 Sheehan Rd
   - New City, NY 14107
   - W-10.0.0.9.8.3.6.6.7.9
   - (716) 754-8231

10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number):
    a. RA Polychlorinated Biphenyl, Secondary
    b. 901 cm^3 / 5.645 K

11. Additional Descriptions for Materials Listed Above:
    - 9. VB 7449
    - PCB 5011 < 50 ppm

12. Containers No. Type Total Quantity
    - 10.0.0.9.8.3.6.6.7.9
    - 564.5 K

13. Handling Codes for Wastes Listed Above:
    - L

15. Special Handling Instructions and Additional Information:
    - CHEMTEC Emergency Response Number (903) 424-9300
    - WINS Contract No. 171 58.744.302-2
    - 8159772

16. GENERATORS 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 government regulations and state laws and regulations.
    - If I am a small quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically feasible and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17. Transporter 1 Acknowledgement of Receipt of Materials
    - Printed/Typed Name: Wilfried Wittmann
    - Signature: Wilfried Wittmann
    - Date: 11/21/13

18. Transporter 2 Acknowledgement of Receipt of Materials
    - Printed/Typed Name: Michelle Fleck
    - Signature: Michelle Fleck
    - Date: 11/11/14

19. Discrepancy Indication Space
    - Actual: 14851K
    - Acetic Acid: 14851K
    - Michelle Fleck: 11/21/14

ORIGINAL-RETURN TO GENERATOR
<table>
<thead>
<tr>
<th>Column</th>
<th>Data</th>
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<td>Generator's US EPA ID No.</td>
<td>NN7 890 000 875 420</td>
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<td>A. Generator's ID</td>
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<tr>
<td>B. Generator's Name and Mailing Address</td>
<td>Brookhaven National Laboratory, Upton, NY 1173</td>
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<td>C. State Transporter's ID</td>
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<td>D. Transporter's Telephone</td>
<td>716-772-8000</td>
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<td>E. State Transporter's ID</td>
<td>NY 2004-2006</td>
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<tr>
<td>F. Transporter's Telephone</td>
<td>716-772-8000</td>
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<td>G. State Facility ID</td>
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<td>H. Facility Telephone</td>
<td>716-772-8000</td>
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<td>1. Waste No.</td>
<td>EPA 6007</td>
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<td>2. US EPA ID Number</td>
<td>NY 80049-877-1</td>
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<td>3. Generator's Telephone Number</td>
<td>716-282-3277</td>
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<tr>
<td>4. Generator's Name and Mailing Address</td>
<td>Brookhaven National Laboratory, Upton, NY 1173</td>
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<tr>
<td>5. Transporter 1 (Company Name)</td>
<td>SCPA Corp</td>
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<tr>
<td>6. US EPA ID Number</td>
<td>NY 80049-877-1</td>
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<tr>
<td>7. Transporter 2 (Company Name)</td>
<td>SCPA Corp</td>
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<tr>
<td>8. US EPA ID Number</td>
<td>NY 80049-877-1</td>
</tr>
<tr>
<td>9. Designated Facility Name and Site Address</td>
<td>Swc Chemical Services, 350 Palmer Road, Medley, MD 20712</td>
</tr>
<tr>
<td>10. US EPA ID Number</td>
<td>NY 80049-877-1</td>
</tr>
<tr>
<td>11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)</td>
<td>02A, Polyvinylated Phenol, Solid Mixture</td>
</tr>
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<td>12. Containers</td>
<td>001</td>
</tr>
<tr>
<td>13. Total Quantity</td>
<td>16 K</td>
</tr>
<tr>
<td>14. Unit Weight/Volume</td>
<td></td>
</tr>
<tr>
<td>15. Special Handling Instructions and Additional Information</td>
<td></td>
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<tr>
<td>16. 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 state laws and regulations.</td>
<td></td>
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<tr>
<td>17. Transporter 1 Acknowledgement of Receipt of Materials</td>
<td>Bob Smiley Jr</td>
</tr>
<tr>
<td>18. Transporter 2 Acknowledgement of Receipt of Materials</td>
<td>Bob Smiley Jr</td>
</tr>
<tr>
<td>19. Discrepancy Indication Space</td>
<td>Act Rec: 747 K</td>
</tr>
<tr>
<td>Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.</td>
<td>Michelle Fleck</td>
</tr>
<tr>
<td>Printed/Typed Name</td>
<td>Michelle Fleck</td>
</tr>
<tr>
<td>Signature</td>
<td>12-1-04</td>
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COPY 5—Generator—Mailed by TSD Facility
### UNIFORM HAZARDOUS WASTE MANIFEST

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<td>W/232</td>
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### Generator's Name and Mailing Address
- **E G R O C H A V E N N A T I O N A L L A B O R A T O R Y**
  - 50 BROOKHAVEN AVENUE
  - UPTON, NY 11973

### Generator's Telephone Number
- (516) 292-2277

### Transporter (Company Name)
- **Buffalo Fuel Corp**

### State Transporter's ID
- NYR000044572H

### State Facility ID
- 1650 BALMER RD
  - MODEL CITY, NY 14110

### US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)
- RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 3, UN2815, H

### Additional Descriptions for Materials Listed Above
- V58450-PCB, SOIL & DEBRIS

### Handling Codes for Wastes Listed Above
- L, C

### Special Handling Instructions and Additional Information
- CHEMREC Emergency Response Number: (609) 424-6300
- PCB OUT OF SERVICE DATE: 12/14/94
- "ITEM 13" QUANTITY IS ESTIMATED 8/5/98

### 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 state laws and regulations.
- If I am a large generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree in which it is economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

### Printed/Typed Name and Signature
- 17. Transporter 1 Acknowledgement of Receipt of Materials
  - **K. S. Hume**
  - Printed/Typed Name
  - **Lydie Furet**
  - Signature

- 18. Transporter 2 Acknowledgement of Receipt of Materials
  - **R. A. P. L. M.**
  - Printed/Typed Name
  - **Lydie Furet**
  - Signature

### Actual Receipt Date
- 8/23/00

### Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
- **W. J. Furet**
  - Printed/Typed Name
  - **Lydie Furet**
  - Signature

### Copy 5 - Generator - Mailed by TSD Facility
### Uniform Hazardous Waste Manifest

- **Generator's US EPA ID No.**: NY78297-0006975
- **Manifest Doc. No.**: WY.246
- **Manifest Document Number**: UHWM 002477
- **State Generator's ID**: Same
- **Transporter 1 Company Name**: Harwich Trucks Inc.
- **US EPA ID Number**: PAID 1467.4-878
- **Transporter 2 Company Name**: Harwich Trucks Inc.
- **US EPA ID Number**: PAID 1467.4-878
- **Designated Facility Name and Site Address**: CWL Chemical Services LLC
- **City**: NY
- **State**: NY
- **ZIP**: 14107
- **Facility's Phone**: (716) 754-9231
- **US DOT Description**: RQ Polychlorinated Biphenyls, Solid mixture
- **Containers**: 10 containers
- **Total Quantity**: 0.01 cm³
- **Unit**: 1.3800 K
- **Handling Codes**: L
- **Special Handling Instructions and Additional Information**: None
- **Generator's Certification**: I certify 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 government regulations and state laws and regulations.
- **Certificate of Disposal Discharged**

---

### Additional Descriptions for Materials Listed Above

- **a. VB7449**: PCB 50.1 < 50 ppm
- **b.**
- **c.**
- **d.**

---

### Discrepancy Indication Space

- **Code**: 8918 K
- **Facility Owner or Operator**: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

---

**Printed/Typed Name**: Michelle Heck
**Signature**: Michelle Heck
**Month Day Year**: 1/2/1104
UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No. 11-7478 070369.75.8W4.22.3

2. Manifest Document Number

3. Generator's Name and Mailing Address

4. Generator's Phone (310) 332-3277

5. Company Name
Herrlich Truck Inc

6. US EPA ID Number 1A04G.6.7.1.487.18

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

10. US EPA ID Number

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type Total Quantity

13. Unit Waste

14. Waste

15. Additional Descriptions for Materials Listed Above

16. Special Handling Instructions and Additional Information

17. Generator's Certification: I hereby declare that the contents of this container are properly described above by proper shipping name and are classified, packed, marked, and labeled, and are in proper condition for transport in accordance with applicable U.S. Department of Transportation regulations and state laws and regulations. If I am a generator of any waste, I certify that I have no program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR if I am a transporter, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Lita Polansky
Signature: Lita Polansky
Date: 1/21/56

Printed/Typed Name: Wifred Witter
Signature: Wifred Witter
Date: 1/21/5104

Printed/Typed Name: Michelle Fleck
Signature: Michelle Fleck
Date: 1/21/510

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Michelle Fleck
Signature: Michelle Fleck
Date: 1/21/510

ORIGINAL-RETURN TO GENERATOR
UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 0174.9000.0997.15
2. Manifest Doc. No. W4.5.26

A. Manifest Document Number UHWM 004279
B. State Generator's ID Same

5. Transporter Company Name Horn & Trucks Inc
6. US EPA ID Number IPAD467145878

C. State Transporter's ID P169476PA
D. Transporter's Phone 4102613220

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address CWM Chemical Services LLC
10. US EPA ID Number NY0.04.93.6.6.175

G. State Facility's ID
H. Facility's Phone (716) 754-5020

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RA Polychlorinated Biphenyls, Solid Mixture

b. 

c. 

d. 

12. Containers No. Type 13. Total Quantity 14. Unit Weight/Wt/Lb 15. Waste No. EST 0.1 ctn 1.7327 K

K. Handling Codes for Wastes Listed Above L

15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number 815.910.9100 WMT Contract #4H1700 215/303-1

16. 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 government regulations and state laws and regulations.

If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practical and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; or if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Les Purchese
Signature

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Tom Roch
Signature

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Michelle Fleck
Signature

ORIGINAL-RETURN TO GENERATOR

15/04/04 K
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator's Name and Mailing Address**
   - BROCKHAVEN NATIONAL LABORATORY
   - 50 BROCKHAVEN AVENUE
   - UPTON, NY 11973

2. **Generator's Telephone Number**
   - (516) 262-3277

3. **Transporter 1 (Company Name)**
   - Buffalo Fuel Corp.

4. **Transporter 2 (Company Name)**

5. **Designated Facility Name and Site Address**
   - CVM CHEMICAL SERVICES, LLC
   - 1550 BALMER RD.
   - MODERN CITY, NY 11767

6. **US EPA ID Number**
   - NY10001041577

7. **Transporter's ID**
   - NYAC35476

8. **Transporter's Telephone**
   - 1-800-209-9419

9. **Containers**
   - 12.

10. **Total Quantity**
    - 13.

11. **Units**
    - 14.

12. **Waste No.**
    - 1.

13. **Handling Codes for Wastes Listed Above**
    - a.
    - b.
    - c.
    - d.

14. **Special Handling Instructions and Additional Information**
    - CHEMISEC Emergency Response Number (800) 424-0260
    - PCB OUT OF SERVICE DATE: 12/31/04
    - "ITEM 13" QUANTITY IS ESTIMATED
    - 815 921 20

15. **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 state laws and regulations.

    - If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR If I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

16. **Printed/Typed Name**
    - SIGNATURE
    - Mo. Day Year

17. **Transporter 1 Acknowledgement of Receipt of Materials**
    - Printed/Typed Name
    - Signature
    - Mo. Day Year

18. **Transporter 2 Acknowledgement of Receipt of Materials**
    - Printed/Typed Name
    - Signature
    - Mo. Day Year

19. **Discrepancy Indication Space**
    - Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
    - PRINTED/TYPED NAME
    - SIGNATURE
    - Mo. Day Year

---

**COPY 5-GENERATOR - MAILED BY TSD FACILITY**
UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NY1731850810101817154VHBJ
   Manifest Doc. No. NYH1446435

2. Generator's Name and Mailing Address
   BROOKHAVEN NATIONAL LABORATORY
   50 BROOKHAVEN AVENUE
   UPTON
   NY 11973

3. Generator's Telephone Number (516) 282-3477

4. US EPA ID Number NYR00000045774

5. Transporter 1 (Company Name)
   Buffalo Fuel Corp.

6. US EPA ID Number NYR00000045774

7. Transporter 2 (Company Name)
   
8. US EPA ID Number

9. Designated Facility Name and Site Address
   CYN CHEMICAL SERVICES, L.L.C.
   1550 BALMER RD.
   MODESTO, CA 95357

10. US EPA ID Number

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
   a. RQ1, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, UN2815, II

12. Containers Number 13. Total Quantity
   Type 14. Unit WWVol
   EPA
   STATE
   EPA
   STATE
   EPA
   STATE
   EPA
   STATE
   EPA

13. Additional Descriptions for Materials Listed Above
   
14. Handling Codes for Wastes Listed Above
   a. L
   b. d.
   c. c.

15. Special Handling Instructions and Additional Information
    CHEMTREC Emergency Response Number (800)424-8300
    WMD Contract ERG*171 SR*744124-1
    PCB OUT OF SERVICE DATE 12/30/79
    "ITEM 13" QUANTITY IS ESTIMATED
    81501907

16. 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 regulations and state laws and regulations.

   If I am large generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Leo Palumbo
Signature
Date 1/24/60

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date 1/24/60

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date 1/24/60

19. Discrepancy Indication Spec
   Actual Lb.: 1060.5
   Item 12 = CM

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Eileen Carter
Signature
Date 1/24/60
<table>
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<td>a. RG, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, JUNGS 15, III</td>
<td>N</td>
<td>63</td>
<td>1</td>
<td>CM</td>
<td>L</td>
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**J. Additional Descriptions for Materials Listed Above**

**PB OUT OF SERVICE DATE 12-17-04**

**ITEM 13** QUANTITY IS ESTIMATED

**P1592038**

**16. GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are true and accurately described above by proper shipping name and class, labeled, and are in all respects in proper condition for transport by highway according to applicable federal regulations and state hazardous waste regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threats to human health and the environment. OR If I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

**PRINTED/TYPED NAME**

**LESLIE PAPERTO**

**Signature**

**Mo. Day Year**

12/21/04

**17. Transporter 1 Acknowledgement of Receipt of Materials**

**PRINTED/TYPED NAME**

**BRIAN ROCHELLE**

**Signature**

**Mo. Day Year**

12/21/04

**18. Transporter 2 Acknowledgement of Receipt of Materials**

**PRINTED/TYPED NAME**

**ELLEN CAROO**

**Signature**

**Mo. Day Year**

12/21/04
NYH1446453

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 2005)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. W47-229
2. Page 1 of

3. Generator's Name and Mailing Address

BROCKHaven NATIONAL LABORATORY
50 BROCKHaven AVENUE
UPpTON
NY 11973

4. Generator's Telephone Number (516) 282-3677

5. Transporter 1 (Company Name)

Buffalo Fuel Corp.

6. US EPA ID Number NY B0004H5724

7. Transporter 2 (Company Name)

8. US EPA ID Number

9. Designated Facility Name and Site Address

CWV CHEMICAL SERVICES, LLC
1592 BALMER RD.
MODEL CITY NY 1407

10. US EPA ID Number

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

- 401, POLYCLORINATED BIPHENYLS, SOLID MIXTURE, S, UN2815, II

12. Containers Number Type 13. Total Quantity 14. Units WWVol

L 5 K

15. Special Handling Instructions and Additional Information

CHEMTRAC Emergency Response Number (908)424-6830 Whil Contract ERG*171 SR* 745011-1

PCB OUT OF SERVICE DATE 12-02-07

ITEM 13 QUANTITY IS ESTIMATED

81591996

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this container 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 state laws and regulations.

I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Mo. Day Year

12-02-07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Mo. Day Year

12-01-07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Mo. Day Year

12-01-07

19. Discrepancy Indication Space

ACT Rec. 9217 K

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Mo. Day Year

12-21-07

COPY 5-GENERATOR - MAILED BY TSD FACILITY
UNIFORM HAZARDOUS WASTE MANIFEST

4. Generator's Telephone Number 
5. Transporter 1 (Company Name) 
6. US EPA ID Number 
7. Transporter 2 (Company Name) 
8. US EPA ID Number 
9. Designated Facility Name and Site Address 
10. US EPA ID Number 
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) 
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and hazard classification, 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 state laws and regulations. If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR If I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the least waste management method that is available to me and that I can afford.

Printed/Typed Name Michael F. Clancy 
Signature moede 
Mo. Day Year 12/17/04

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name 
Signature 
Mo. Day Year 

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Ken Washlewicz 
Signature Ken Washlewicz 
Mo. Day Year 

Discrepancy Indication Space 
Actual Rec'd 14878K

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name 
Signature 
Mo. Day Year
**UNIFORM HAZARDOUS WASTE MANIFEST**

3. Generator's Name and Mailing Address
   
   BROOKHAVEN NATIONAL LABORATORY
   50 BROOKHAVEN AVENUE
   UPTON NY 11973

4. Generator's Telephone Number (516) 282-3277

5. Transporter 1 (Company Name)
   
   Buffalo Fuel Corp
   NHR000045164

6. US EPA ID Number
   
   NHR000045164

7. Transporter 2 (Company Name)
   
   NHR000045164

8. US EPA ID Number
   
   NHR000045164

9. Designated Facility Name and Site Address
   
   CVM CHEMICAL SERVICES, L.L.C
   1550 SALMER RD
   MODEL CITY NY 11417

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)
   
   a. PC, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE
   b. STATE 686.7
   c. EPA STATE
   d. EPA STATE

12. Containers Number Type
    - E-S
    - CM

13. Total Quantity
    - 2475

14. Unit Wt/Vol
    - EPA STATE

15. Special Handling Instructions and Additional Information
    - PCB OUT OF SERVICE DATE 12/17/04
    - "ITEM 13" QUANTITY IS ESTIMATED 81572160

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this container are fully and accurately described above 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 state laws and regulations.

   If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR If I am a smaller generator, I have made a good faith effort to minimize my waste generation and selected the best waste management method that is available to me and that I can afford.

**Signature**: Leo Palumbo

**Date**: 12/23/04

---

**Transporter**

17. Transporter 1 Acknowledgement of Receipt of Materials
    
    **Signature**: Print/Typed Name
    **Date**: 12/23/04

18. Transporter 2 Acknowledgement of Receipt of Materials
    
    **Signature**: Print/Typed Name
    **Date**: 12/23/04

19. Discrepancy Indication Space
    
    Actual Load 16538K
    **Signature**: Print/Typed Name
    **Date**: 12/23/04

---

**Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.**

**Signature**: Print/Typed Name
**Date**: 12/23/04

**COPY 5-GENERATOR - MAILED BY TSD FACILITY**
**UNIFORM HAZARDOUS WASTE MANIFEST**

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<thead>
<tr>
<th>Field</th>
<th>Value</th>
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<td>Generator's US EPA No.</td>
<td>NYH1446507</td>
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<tr>
<td>Manifest Doc. No.</td>
<td>W20000437</td>
</tr>
<tr>
<td>Generator's ID</td>
<td>SAME</td>
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<tr>
<td>State Transporter's ID</td>
<td>AC25-476-NY</td>
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<td>Transporter's Telephone</td>
<td>916-776-3000</td>
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<tr>
<td>Designated Facility Name and Site Address</td>
<td>CVAM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</td>
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<tr>
<td>US DOT Description</td>
<td>PC4, POLYCHLORINATED BIPHENILS, SOLID MIXTURE, UN2345, II</td>
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<td>Quantity</td>
<td>EST. 12.591</td>
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<td>19. Discrepancy Indication Space</td>
<td>MichaeL Flesch 12/30/07</td>
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**GENERATOR**

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**TRANSPORTER**

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**HANDLING CODES FOR WASTES LISTED ABOVE**

- a. L
- b. L
- c. L
- d. L

**FACILITY OWNER OR OPERATOR Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.**

<table>
<thead>
<tr>
<th>Field</th>
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<tbody>
<tr>
<td>Printed/Typed Name</td>
<td>Michelle Flesch</td>
</tr>
<tr>
<td>Signature</td>
<td>12/30/07</td>
</tr>
</tbody>
</table>

**COPY 5 - GENERATOR - MAILED BY TSD FACILITY**
# HAZARDOUS WASTE MANIFEST

**P.O. Box 12820, Albany, New York 12212**

---

### 3. Generator's Name and Mailing Address

**BROOKHAVEN NATIONAL LABORATORY**  
50 BROOKHAVEN AVENUE  
UPTON, NY 11973

### 4. Generator's Telephone Number

(518) 282-3211

### 5. Transporter 1 (Company Name)

**Buffalo Fuel Corp.**

### 6. US EPA ID Number

NYR0006946724

### 7. Transporter 2 (Company Name)

- **CVM CHEMICAL SERVICES, LLC**  
  1550 BALKER RD.  
  MODEL CITY NY 14117

### 8. US EPA ID Number

NYR0006946724

### 9. Designated Facility Name and Site Address

- **CVM CHEMICAL SERVICES, LLC**  
  1550 BALKER RD.  
  MODEL CITY NY 14117

### 10. US EPA ID Number

NYR0006946724

### 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

- **PA, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, II, UN13315, II**

### 12. Containers

- **E&F**

### 13. Total Quantity

133.82

### 14. Unit

MT

### 15. Special Handling Instructions and Additional Information

- **CHEMTREC Emergency Response Number** (800) 424-3300 VMN Contact ERM*371 SR*F 745465-1

- **PCB out of Service Date**: 12-12-04  
  **ITEM 13 QUANTITY IS ESTIMATED**

- **81592182**

### 16. GENERATOR'S CERTIFICATION:

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**Printed/Typed Name**

Eileen Cartin

**Signature**

Eileen Cartin

**Mo. Day Year**

1/23/04

---

**20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.**

**Printed/Typed Name**

Eileen Cartin

**Signature**

Eileen Cartin

**Mo. Day Year**

1/23/04

---

**COPY 6-GENERATOR - MAILED BY TSD FACILITY**
### Uniform Hazardous Waste Manifest

**State of New York**  
Department of Environmental Conservation  
Division of Solid & Hazardous Materials

**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

<table>
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<tr>
<td>1. Generator's US EPA No.</td>
<td>N1738025175</td>
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<td>2. Manifest Doc. No.</td>
<td>W/2.3.47</td>
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<td>3. NYH1446516</td>
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**Information Within Heavy Bold Line is Not Required by Federal Law.**

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<td>A. Generator's ID</td>
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**Transporter Information**

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<tr>
<td>5. Transporter 1 (Company Name)</td>
<td>Buffalo Fuel Corp</td>
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<td>6. US EPA ID Number</td>
<td>NYRO00004H572R</td>
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**Facility Information**

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| 9. Designated Facility Name and Site Address | CAM Chemical Services, L.L.C.  
1550 Balmer Rd.  
Model City NY 14107 |
| 10. US EPA ID Number | NYPO000180165851 |

**Waste Description**

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<td>12. Containers</td>
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<td>14. Unit</td>
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**Handling Codes for Wastes Listed Above**

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<td>b. Handling Code</td>
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<td>c. Handling Code</td>
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<tr>
<td>d. Handling Code</td>
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**Special Handling Instructions and Additional Information**

- PCB OUT OF SERVICE DATE: 12-17-98  
- "ITEM 13" QUANTITY IS ESTIMATED: 875.92391

**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 state laws and regulations.

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**Transporter 1 Acknowledgement of Receipt of Materials**

<table>
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<tbody>
<tr>
<td>Printed/Typed Name</td>
<td>Ken Todor</td>
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<td>Signature</td>
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<tr>
<td>Date</td>
<td>12/30/04</td>
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**Transporter 2 Acknowledgement of Receipt of Materials**

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<tr>
<td>Printed/Typed Name</td>
<td>Ken Wasikiewicz</td>
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<td>Signature</td>
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<td>Date</td>
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**Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.**

<table>
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<tr>
<td>Printed/Typed Name</td>
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**COPY 5-GENERATOR - MAILED BY TSD FACILITY**