Jamaica Station
Jamaica, NY 11435-4380
Telephone 718 558-3095

Kenneth J. Bauer
Acting President

José R. Fernandez
Vice President - System Safety

Long Island Rail Road

November 30, 2000

Steve Kaminski, Chief
Eastern Engineering Section
Bureau of Radiation and Hazardous Site Management
Division of Solid and Hazardous Materials
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233-7252

Re: Morris Park Repair Facility
Supplemental Closure Program
Container Storage Area and
Former Paint Stripping Area
NYD980641625

Dear Mr. Kaminski:

Enclosed please find one (1) copy of the following document:

"Supplemental Closure Program
Container Storage Area and
Former Paint Stripping Area
Long Island Rail Road
Morris Park Repair Facility, Richmond Hill, New York"

The enclosed report documents the supplemental closure activities undertaken at the referenced facility in accordance with the approved Closure Investigation Work Plan Addendum dated April 1998, and the Part 373 Post Closure Permit Application dated August 1999.

Steve Kaminski, Chief
Eastern Engineering Section
Bureau of Radiation and Hazardous Site Management
Division of Solid and Hazardous Materials
New York State Department of
Environmental Conservation
November 30, 2000

If you have any questions and/or comments, please do not hesitate to contact me at (718) 558-3252.

Very truly yours,

Lewis D. Wunderlich
Environmental Engineer

LDW/ASA/ajmc
Enclosure
cc: S. Jagirdar (NYSDEC-Long Island City)
H. Wilke (NYSDEC-Albany)
W. Keenan (LIRR)
R. Walka (D&B)
R. Russell (D&B)
♦1499\MISC00LTR-03.doc(R05)

SUPPLEMENTAL CLOSURE PROGRAM

CONTAINER STORAGE AREA
AND
FORMER PAINT STRIPPING AREA
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY, RICHMOND HILL, NEW YORK

Prepared by:

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
WOODBURY, NEW YORK

Prepared for:

LONG ISLAND RAIL ROAD
HOLLIS, NEW YORK

NOVEMBER 2000

SUPPLEMENTAL CLOSURE PROGRAM
CONTAINER STORAGE AREA
AND
FORMER PAINT STRIPPING AREA
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY, RICHMOND HILL, NEW YORK

TABLE OF CONTENTS

List of Appendices

List of Figures

List of Tables

Section 1

1.0 INTRODUCTION

This report presents the findings of a Supplemental Closure Program undertaken at two former hazardous waste management areas located at the Long Island Rail Road (LIRR) Morris Park Repair Facility (MPRF). This program was undertaken pursuant to a Work Plan Addendum and a Part 373 Post Closure Permit Application, both of which were approved by the New York State Department of Environmental Conservation (NYSDEC) by correspondence dated May 19, 1998 and November 18, 1998, respectively. It should also be noted that the Post Closure Permit Application was modified in August 1999, in consultation with the NYSDEC, to address revisions to the Groundwater Monitoring Plan that were determined to be necessary due to structural damage to an existing monitoring well. A brief description of the facility and the project background is presented in the following sections.

1.1 Facility Description

The Morris Park Repair Facility (MPRF) is located in the Richmond Hill section of Queens, New York, at the intersection of 121st Street and Atlantic Avenue. The main entrance to the complex is on 121st Street just north of its intersection with Atlantic Avenue. Figure 1-1 presents a Site Location Map for the MPRF. Approximately 21 acres are encompassed by the facility, which is located in a mixed industrial and residential urban area. The MPRF was the primary overhaul and major component repair complex for the Long Island Rail Road. Locomotive engines and both diesel and electric coach cars were completely serviced for all major repairs at this facility. Periodic maintenance inspections for the locomotives were performed in the roundhouse building. In addition, the rebuilding of all major mechanical and electrical components of LIRR equipment, transported from other repair facilities, was undertaken at the MPRF. Currently, the facility is comprised of the Locomotive Shop which is responsible for all maintenance and repair functions associated with the operation of the LIRR's diesel locomotive fleet.

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
RICHMOND HILL, NEW YORK

SITE LOCATION MAP

FIGURE 1-1

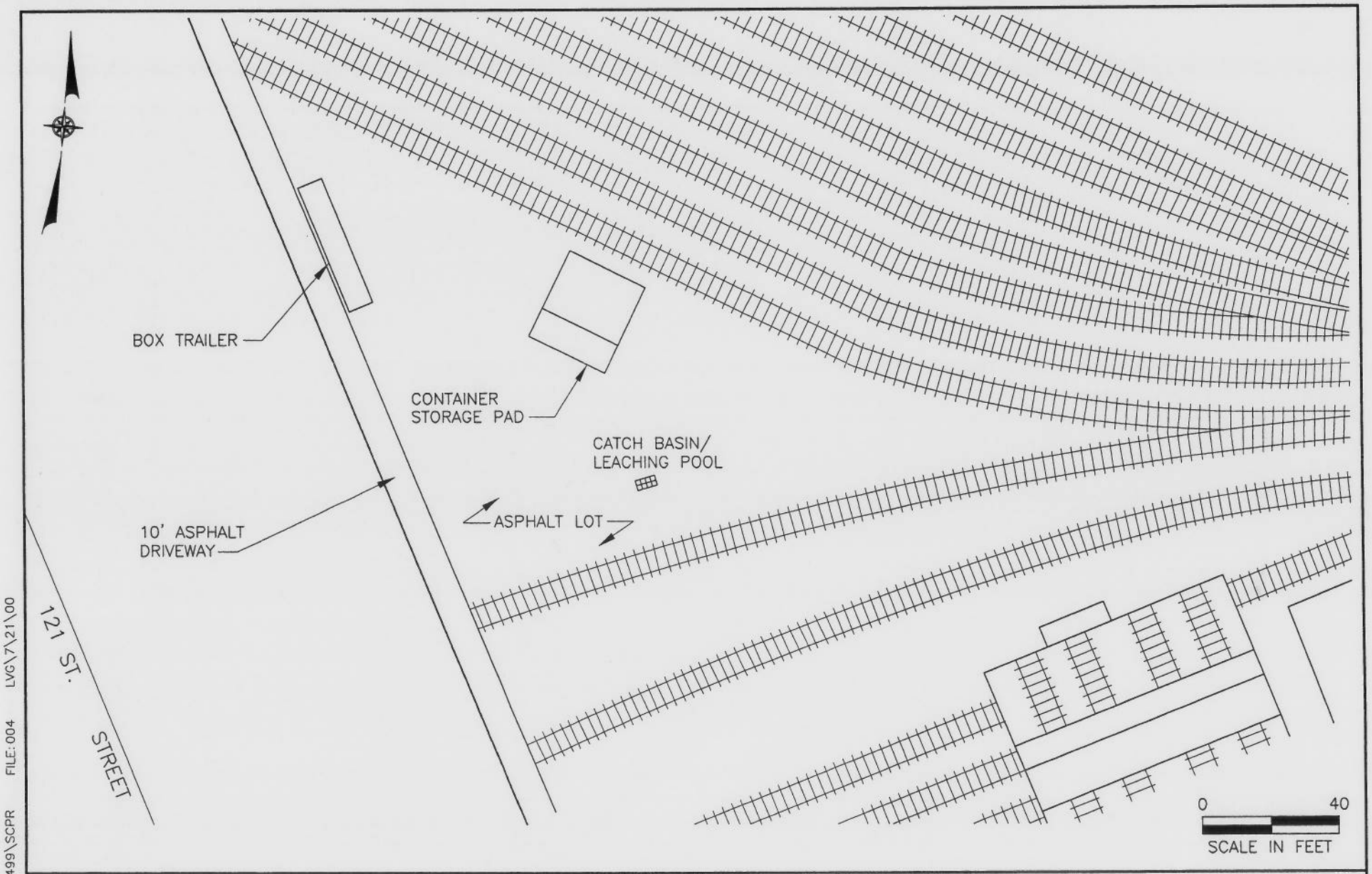
Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

As mentioned above, the MPRF has in the past and currently provides for periodic inspections and routine maintenance of all diesel locomotives. Complete overhaul facilities for the locomotives are also located at this yard. A number of shops were located at this facility which facilitated the complete overhaul and repair of the electric train cars (M-1/M-3 Series Coach Cars), diesel locomotives and diesel coach cars. In addition to the above services, ancillary facilities, such as the wheel and air brake shop serviced various electrical and mechanical components from operations within the MPRF, as well as those components received from exchanges made at other off-site LIRR locations. All of these functions associated with other than diesel locomotive operation and maintenance were relocated to the Hillside Maintenance Complex in Hollis, New York.

The following presents a brief description of the two hazardous waste management areas at the facility known as the Container Storage Area and the Former Paint Stripping Area. As previously mentioned, these two areas are the subject of this Supplemental Closure Program.

Container Storage Area

The Container Storage Area is located north of the former Electric Car Truck Shop of the MPRF. Figure 1-2 presents a site plan of the Container Storage Area. Waste generated at the MPRF, as well as other off-site facilities, was previously transported to the Container Storage Area for temporary staging prior to off-site disposal by permitted vendors. There are three areas of concern regarding prior hazardous waste storage in the Container Storage Area that were addressed under this Supplemental Closure Program: a 25-foot by 28-foot concrete container storage pad with secondary containment used for the storage of hazardous waste, the asphalted area surrounding the concrete container storage pad, and a leaching pool that receives storm water runoff from the Container Storage Area.



DIR: 1499\SCPR FILE:004 LVG\7\21\00

LONG ISLAND RAIL ROAD
MORRIS PARK FACILITY, RICHMOND HILL, NEW YORK

SITE PLAN–CONTAINER STORAGE AREA

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 1–2

Former Paint Stripping Area

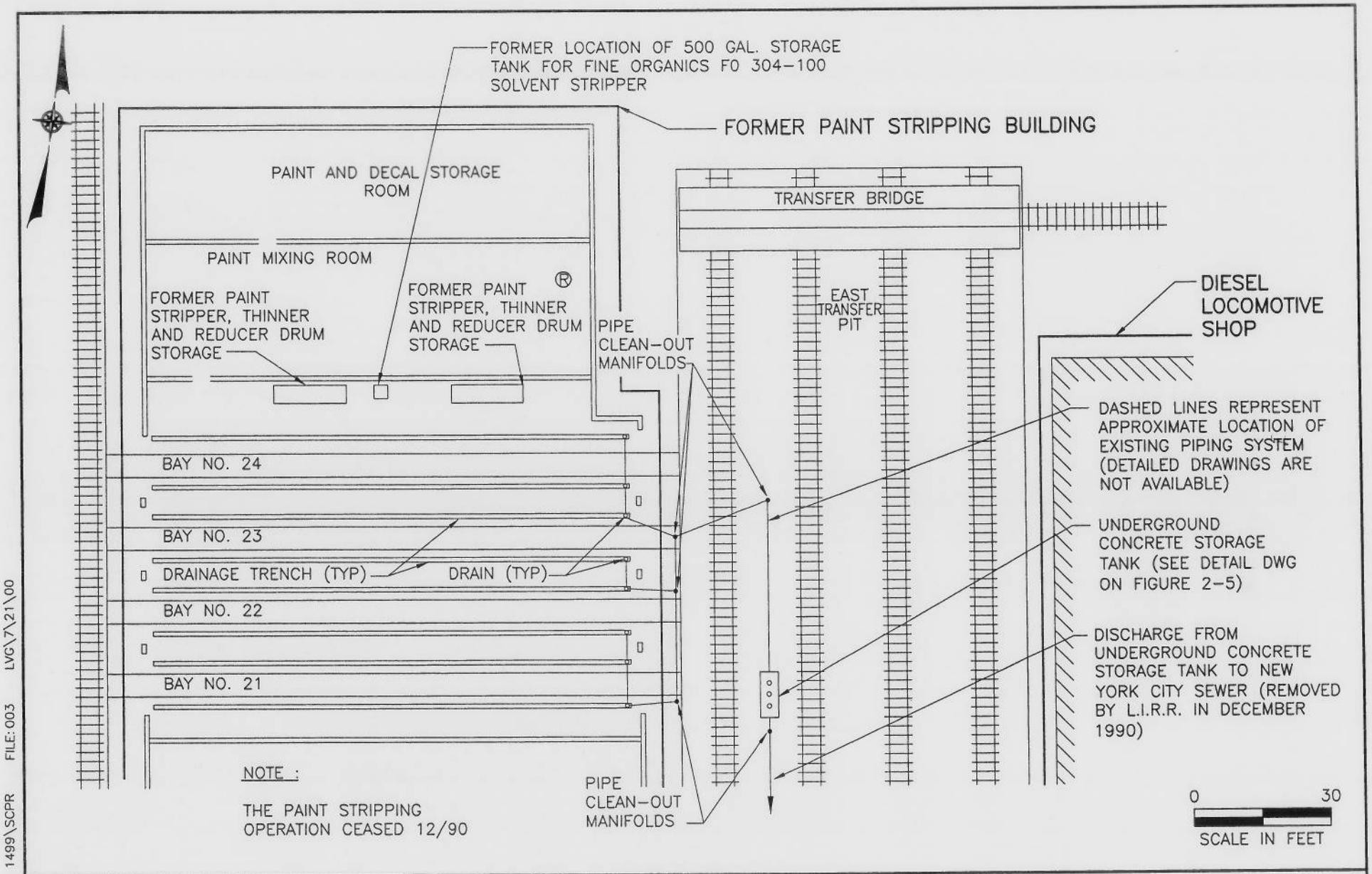
Paint stripping operations previously occurred at the paint shop, located at the northern end of the building situated between the West and East Transfer Pits. Figure 1-3 presents a Site Plan of the Former Paint Stripping Area. Operations in the paint shop involved the stripping of paint and decals from the exterior shell of both electric and diesel coach train cars in Bays 21 through 24. A solvent-based stripper solution consisting of approximately 57% methylene chloride, 15% isopropyl alcohol, 5% toluene and 3% methanol was applied with a spray gun system to the areas to be stripped. After the stripping was completed, the residual mixture was washed from the cars, collected in concrete troughs located within the floor of each bay, and conveyed to floor drains. The floor drains discharged to an underground settling tank system located in the East Transfer Pit immediately adjacent to the paint shop (see Figure 1-3). This system was designed to allow for the paint/decal solids to settle out of the rinse water prior to the discharge of wastewater to the sewerage system.

The underground storage tank is constructed of concrete and is located in the northwest portion of the East Transfer Pit. The tank is divided into two main sections. The larger, main section contains a 3-foot high concrete baffle topped by a steel mesh screen. The smaller section is a pump pit which previously conveyed the liquid from the tank to the municipal sewer system via an effluent pipe at the southern end of the tank.

There are two areas of concern regarding prior hazardous waste handling in the Former Paint Stripping Area that were addressed under this Supplemental Closure Program: the paint stripping bays and the concrete underground storage tank.

1.2 Project Background

On or about November 30, 1990, representatives of the New York State Department of Environmental Conservation (NYSDEC) conducted an inspection of the Long Island Rail Road's (LIRR) operations at the Morris Park Repair Facility (MPRF). The purpose of the inspection was



DIR: 1499\SCPR FILE: 003 LVG\7\21\00

LONG ISLAND RAILROAD
MORRIS PARK FACILITY, RICHMOND HILL NEW YORK

SITE PLAN-FORMER PAINT STRIPPING AREA

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 1-3

to ascertain the regulatory compliance of the facility with respect to New York State hazardous waste management rules and regulations. As a result of that inspection, the Department issued the LIRR a Notice of Violation and Order on Consent (Index Number C2-1625-91-04), dated December 6, 1990 addressing a number of violations it had uncovered with respect to its hazardous waste management regulations. In accordance with that letter, the paint stripping operation ceased and all flow of hazardous waste and/or hazardous waste constituents into the underground storage/settling tank system associated with the Former Paint Stripping Area at the MPRF was terminated.

Among numerous other activities undertaken by the LIRR to comply with the various requirements of the Order on Consent, were the preparation of Closure Plans for the Container Storage Area and Former Paint Stripping Area hazardous waste management units associated with former operations at the MPRF. The initial closure plans for the Container Storage Area and Former Paint Stripping Area were submitted to the Department in September 1991.

During the following two and one-half year period, the LIRR received four sets of technical comments from the Department on each Closure Plan. During this period, there was active discussion between the LIRR and the Department as to the regulatory status of the MPRF. Basically, discussion centered around whether the Container Storage Area and Former Paint Stripping Area were indeed "RCRA closures" or a New York State "Superfund" site. While a number of approaches were discussed, the concern centered around the fact that the facility was a large quantity generator of hazardous waste and was conducting "treatment" of its paint stripping rinse water stream generated by the former paint stripping operation. In this case, while the LIRR had clearly ***achieved*** interim status, the LIRR never ***obtained*** interim status by submission of a Part A Permit Application, nor did it apply for final status by virtue of any submission of a Part B Permit Application to the US Environmental Protection Agency (USEPA) or Part 373 Permit Application to the New York State Department of Environmental Conservation (NYSDEC).

This issue was further complicated by the fact that as a generator and treater of hazardous waste in underground storage tanks without secondary containment, the question arose with regard to its ability to achieve clean closure due to regulatory/definitional interpretations and the degree to which post closure care would in fact be required. Lastly, the issue of RCRA corrective action entered the discussion. As mentioned above, while the LIRR MPRF had certainly ***achieved*** interim status, it did not in fact ***obtain*** it by filing appropriate applications.

All of these events played a role in protracting the original schedule for developing, preparing and submitting the plans for approval by the Department. The Closure Plans were ultimately approved by the Department in a memorandum dated May 1994.

D&B Environmental Services Inc. was subsequently retained by the LIRR to implement the closure program. The Closure Program included analytical sampling of soil and groundwater, and decontamination activities in the Container Storage Area and Former Paint Stripping Area. The findings, conclusions and recommendations associated with this Closure Program were documented in a report entitled, "Closure Program – Container Storage Area and Former Paint Stripping Operation," dated January 1997. Based on analytical results from endpoint and final rinse water samples, recommendations were made for additional decontamination and remedial activities.

The NYSDEC approved the January 1997 Closure Program report in correspondence to the LIRR dated March 31, 1997. The detailed procedures and protocols to implement the additional closure activities required within the Container Storage Area and within the paint stripping bays of the Former Paint Stripping Area were presented in a NYSDEC-approved Work Plan Addendum dated April 1998 with the objective of achieving a "clean closure" of these areas. However, due to physical and operational constraints that effectively precluded the LIRR's ability to excavate and remove the hazardous waste underground storage tank in the East Transfer Pit, there was some concern over the ability to achieve a "clean closure" of this structure. As a result, the underground storage tank in the East Transfer Pit was addressed separately under a NYSDEC-approved Part 373 Post Closure Permit Application dated August

1999. Groundwater monitoring requirements were also addressed in the Part 373 Post Closure Permit Application.

Dvirka and Bartilucci Consulting Engineers was subsequently retained by the LIRR to provide engineering oversight of the implementation of the additional investigation, decontamination and remedial activities called for under the April 1998 Work Plan Addendum and the August 1999 Part 373 Post Closure Permit Application. This document presents the methodology, findings and conclusions of those activities.

Section 2

2.0 SUPPLEMENTAL CLOSURE ACTIVITIES

The following section presents a summary of the closure activities which were previously undertaken in support of the January 1997 Closure Program, as well as those additional remedial activities conducted as part of this Supplemental Closure Program.

2.1 Container Storage Area

The following discussion pertains to areas of concern, which are, or were formerly located within the Container Storage Area. The leaching pool, container storage pad, and the asphalt lot are, or were formerly located within the container storage area. The following presents a description of the remedial activities which have been undertaken in each of these areas.

2.1.1 Leaching Pool

The leaching pool is located in the southern portion of the Container Storage Area and receives runoff from the asphalted area surrounding the container storage pad.

January 1997 Closure Program

Remediation within this leaching pool associated with the January 1997 Closure Program included removal of sediment/soil to a depth of 10 feet below grade and soil sampling to 14 feet below grade. Based upon this sampling, it was determined that removal of an additional 2 feet of sediment/soil should be performed (to a depth of 12 feet below grade). While it appeared that any additional decontamination efforts associated with the removal of the soil underlying the leaching pool could require the excavation and removal of the dome and ring structure, it was recommended that an additional 2 feet of soil be removed from the pool if it could be accomplished without undermining the structural integrity of the ring structure. *Immediately* upon removal of the soil, it was also recommended that the pool be backfilled to the original invert depth to minimize the potential for the ring structures to be undermined due to

precipitation from storm events. The Department concurred with these recommendations as well as with the remedial methodology outlined in the August 1998 Work Plan Addendum. The procedures associated with this task were carried out in support of the Supplemental Closure Program.

Supplemental Closure Program

In an effort to properly characterize the standing water present in the leaching pool for proper off-site transportation and disposal, on November 17, 1999, a sample was collected and sent to a New York State Department of Health Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis for Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs), TCLP semivolatile organic compounds (SVOCs), TCLP metals, ignitability, corrosivity and reactivity. The standing water in the leaching pool was not found to exhibit any hazardous waste characteristics. However, on the day that remedial activities associated with the pool were to begin, the majority of standing liquid previously within the pool had recharged and no pumpable volume of water remained available for off-site transportation and disposal.

Field activities associated with the second phase of the leaching pool remediation were conducted on November 23, 1999. Prior to initiating the additional remediation, the depth to the sediment/soil within the leaching pool was measured at approximately 8 feet 8 inches. Soil removal was accomplished utilizing a Vactor 2045 vacuum truck fitted with approximately 12 feet of 6-inch PVC pipe. All material removed from within the pool accumulated within the storage compartment of the Vactor. Soil removal was accomplished to a depth of approximately 12.5 feet below grade in the center of the pool and 11 to 11.5 feet along the edges. The subcontractor performing the work was instructed to remove the maximum amount of sediment/soil practicable without compromising the structural integrity of the leaching pool itself. The contractor stated that the invert of the leaching pool rings were visible from grade and that removal of additional soil from the circumference of the ring structures could cause the leaching pool to collapse. The soil along the bottom of the unit was removed so as to slope

gradually from the circumference to the center. It should be noted that a large rock (approximately 2 to 3 feet in diameter) was present under the northeast portion of the pool invert. The contractor indicated that this rock extended below the leaching pool rings and that removal of this rock could compromise the structural integrity of the unit. At this location, soil removal was accomplished to approximately 10.5 feet below grade (the top of the rock).

Following removal of the sediment/soil, the leaching pool was immediately backfilled with approximately 10 cubic yards of clean mined sand to prevent the potential collapse of the pool. The backfill was compacted by puddling the material with potable water. Following backfilling, the leaching pool grate was replaced over the pool and covered with black polyethylene sheeting to prevent any material from the excavation activities being undertaken in the surrounding area from entering the pool.

The material within the Vactor was removed from the leaching pool and off-loaded into a roll-off container lined with black polyethylene sheeting. A composite sample of this material was collected and sent to an ELAP-certified laboratory for analysis for TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity and reactivity. Following sampling, the roll-off container was covered with a tarp and staged on-site to await the results of the waste characterization sample. Subsequent to review of the analytical results, the soil/sediment was transported off-site for disposal as nonhazardous waste in accordance with applicable federal, state and local regulations.

Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix A. Waste manifests are presented in Appendix E.

2.1.2 Container Storage Pad

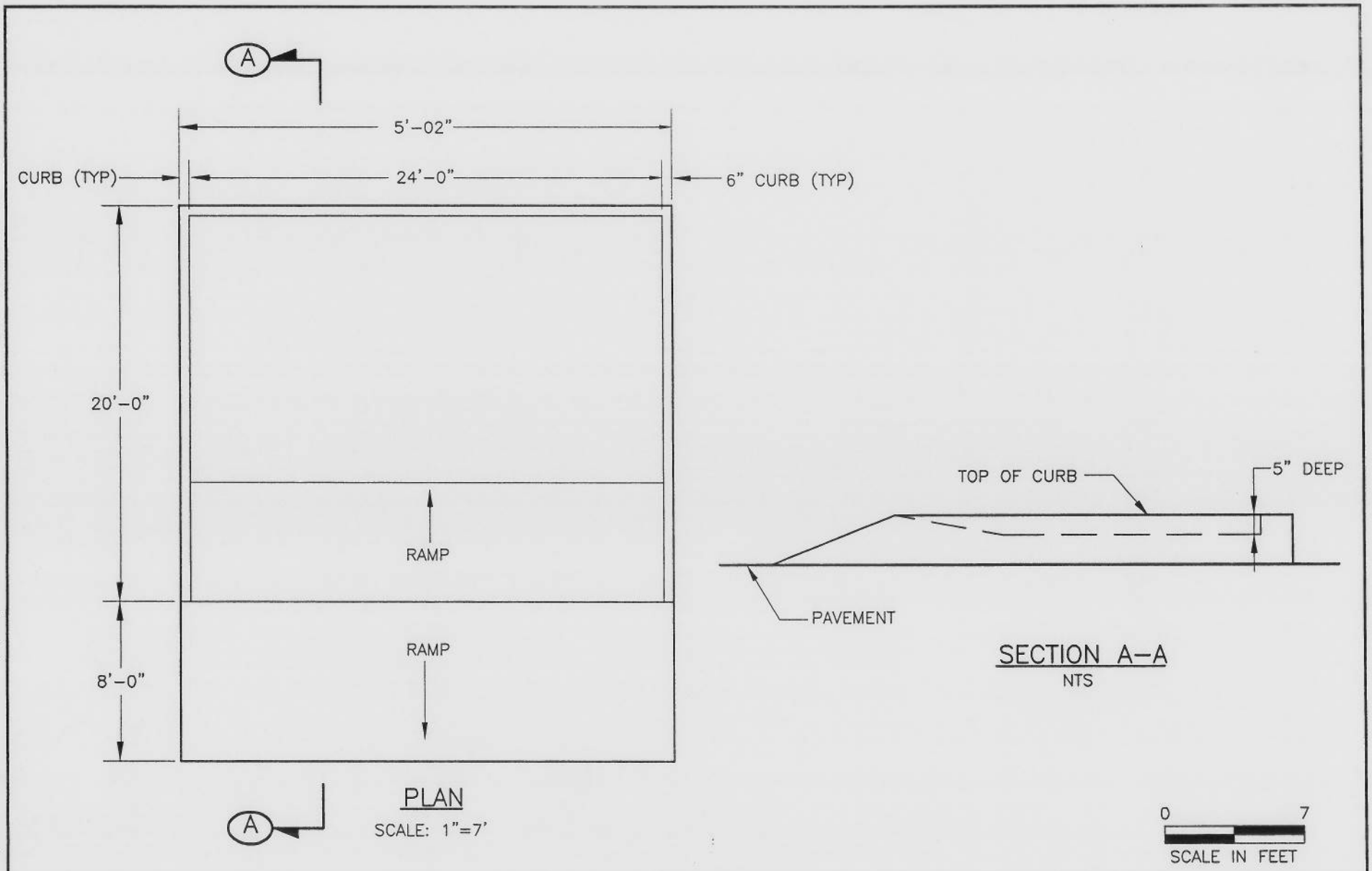
The Container Storage Pad is constructed of concrete and measures 25 feet by 28 feet. It is surrounded by a 6-inch wide concrete curb which is 5 inches deep and is designed to contain any releases from the material stored on the pad. The pad is located in the north central portion of the Container Storage Area and has a containment capacity of approximately 1,400 gallons. Figure 2-1 illustrates the dimensions of the pad.

January 1997 Closure Program

Based upon the analytical results of soil samples collected beneath the concrete Container Storage Pad, SVOCs and metals were determined to be present at concentrations above NYSDEC Action Levels to a depth of 4 feet below grade. Since the soil was overlain by the concrete Container Storage Pad, infiltration of precipitation in this area was either minimal, or precluded and therefore the migration of these contaminants to the water table interface (which exists over 40 feet below grade) did not appear to be likely. As a result further decontamination activities did not appear to be warranted to demonstrate protection of groundwater quality. However, since recommendations were made for the removal of the asphalt and underlying surficial soil for the areas immediately adjacent to the Concrete Storage Pad, it was also recommended to remove the pad and surficial soil underlying the pad.

The analytical results obtained from soil samples collected adjacent to the pad indicated that these areas have also been impacted by the storage activities associated with the Container Storage Pad. As a result, since the removal of the asphalt and underlying surficial soil was recommended for the areas immediately adjacent to the Concrete Storage Pad, recommendations were also made for removing the concrete pad and surficial soil underlying the pad.

The Department concurred with these recommendations and subsequently approved the methodology presented in the Closure Investigation Work Plan Addendum to further remediate



DIR: 1499\SCPR FILE: 001.DWG LVG\7\21\00

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY, RICHMOND HILL NEW YORK

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

CONTAINER STORAGE PAD

FIGURE 2-1

this Area of Concern. Procedures associated with these tasks were carried out in the Supplemental Closure Program.

Supplemental Closure Program

Field activities associated with the Container Storage Pad were conducted on November 16 through 17, 1999. The entire pad was broken up utilizing a Caterpillar 426B Turbo backhoe fitted with a jackhammer attachment. The concrete debris was staged to the west of the site and covered with polyethylene sheeting pending the analytical results of waste characterization samples. A composite concrete sample was sent to an ELAP-certified laboratory and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity and reactivity. Following review of the analytical results, the concrete was loaded into roll-off containers and transported off-site for disposal as nonhazardous waste in accordance with all applicable federal, state and local regulations. A total of approximately 140 cubic yards of concrete was removed from the site.

Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix A. Waste manifests are presented in Appendix E.

2.1.3 Asphalt Lot

The asphalt lot comprises an approximate 8,000 square foot area surrounding the container storage pad. This area contained stains, discoloration and residue, and was noticeably eroded in various areas prior to the January 1997 closure program.

January 1997 Closure Program

The asphalt surrounding the Container Storage Pad was decontaminated to the maximum extent practicable by washing with a high pressure steam cleaner, detergent and a mild solution of muriatic acid. Although several areas of stained and eroded asphalt remained, the decontamination activities implemented in this area exceeded the requirements of the approved Closure Plan, which was to simply utilize an absorbent in this area to remove free-flowing liquids. Further decontamination efforts would likely only have resulted in additional erosion and degradation of the weathered asphalt. As a result, recommendations were not made for any additional decontamination activities. However, based upon the findings of the soil sampling program it was recommended that the asphalt and underlying surficial soil be removed and repaved to effectively "cap" the Container Storage Area to prevent the infiltration of precipitation.

The Department concurred with the recommendations of the January 1997 Closure Program report and subsequently approved the methodology presented in the Work Plan Addendum for further remediation of this area of concern. Procedures associated with these tasks were carried out in the Supplemental Closure Program.

Supplemental Closure Program

Field activities associated with remediation of the asphalt lot within the Container Storage Area consisted of three distinct phases. These three phases included: excavation of asphalt and soil; tank removal and remediation; and site restoration.

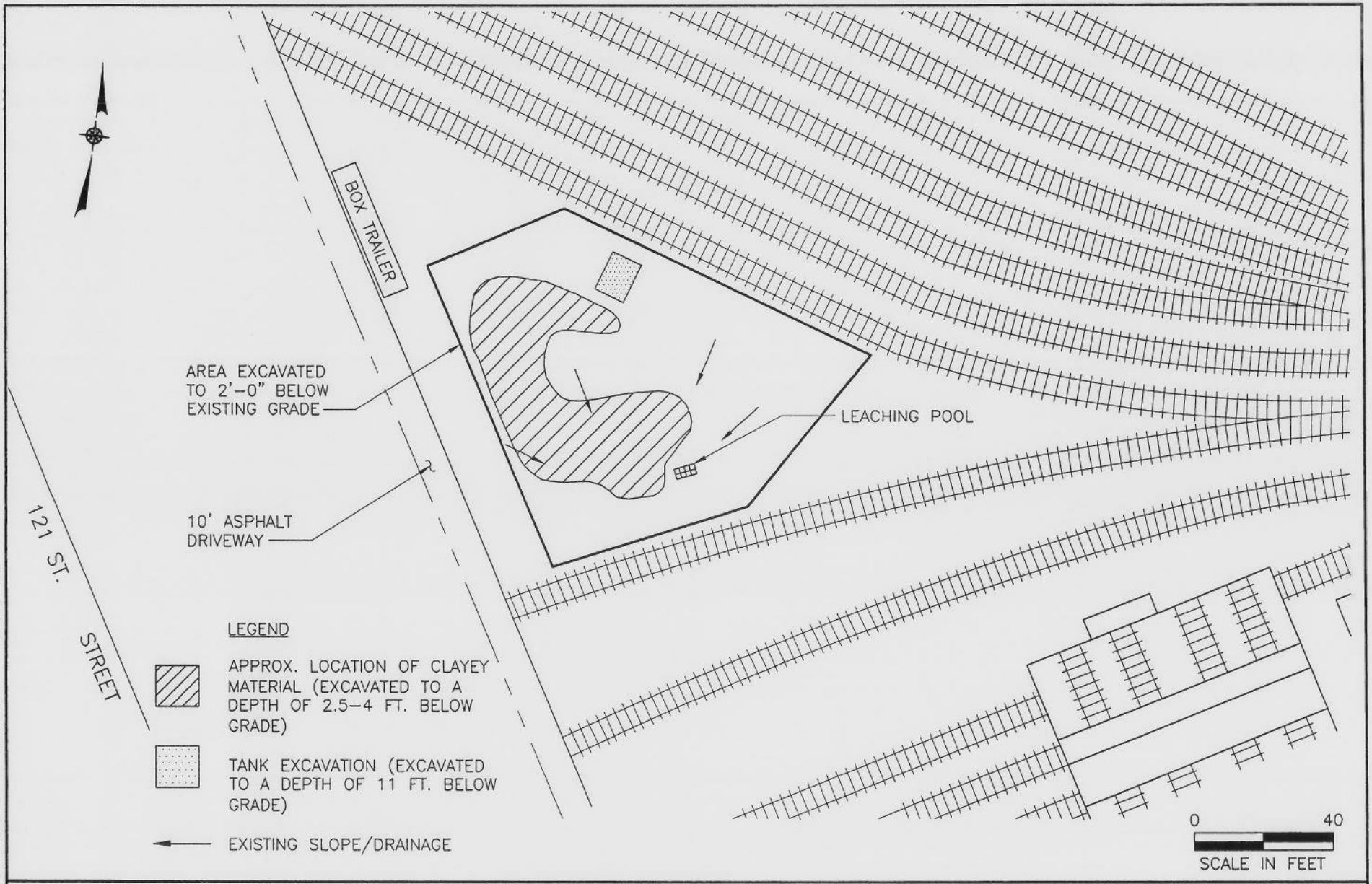
Excavation

Field activities associated with the excavation of material from the asphalt lot within the Container Storage Area were conducted from November 17, 1999, through December 3, 1999. Prior to the initiation of excavation, the limits of the excavation were delineated in accordance

with the requirements of the Work Plan Addendum. On November 17, 1999, removal of the asphalt from the area was initiated. The asphalt debris was staged to the east of the area to be remediated and covered with polyethylene sheeting. The limits of asphalt excavation are depicted in Figure 2-2. Asphalt removal was completed on November 18, 1999. A composite sample of the material was collected for waste characterization purposes. The composite asphalt sample was sent to an ELAP-certified laboratory and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity and reactivity. Following review of the analytical results, the asphalt was loaded into roll-off containers and transported off-site for disposal as nonhazardous waste on December 1, 1999, in accordance with applicable federal, state and local regulations. A total of approximately five 20-cubic-yard roll-off loads of asphalt were removed from the site.

Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix A. Waste manifests are presented in Appendix E.

On November 18, 1999, excavation of the soil within the asphalt lot area was initiated. The limits of soil excavation and removal are depicted on Figure 2-2. All material identified within the lines of excavation, as defined in the Work Plan Addendum, was excavated and staged at the appropriate stockpile area depending upon the material encountered. Concrete was staged to the west of the excavation; asphalt was staged on the asphalt stockpile to the east of the excavation; and soil was staged on polyethylene sheeting to the south of the excavation. Each stockpile was covered with polyethylene sheeting at the end of each work day. During the excavation activities, a number of buried structures were encountered including a subgrade concrete slab, a previously backfilled abandoned leaching pool, and abandoned utility conduits. These structures were removed or leveled to a depth of 2 feet below grade in accordance with the provisions of the Work Plan Addendum.



DIR: 1499\SCPR FILE: 010.DWG LVG\7\21\00

LONG ISLAND RAIL ROAD
MORRIS PARK FACILITY, RICHMOND HILL, NEW YORK

CONTAINER STORAGE AREA
LIMITS OF EXCAVATION

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 2-2

A composite sample of the excavated concrete was collected for waste characterization purposes. The composite concrete sample was sent to an ELAP-certified laboratory and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity and reactivity. Following review of the analytical results, the concrete was loaded into roll-off containers and transported off-site on November 30 and December 1, 1999, for proper disposal as nonhazardous waste in accordance with applicable federal, state and local regulations. A total of approximately 20 cubic yards of concrete was removed from the site. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix A. Waste manifests are presented in Appendix E.

In situ waste characterization soil sampling was conducted prior to the excavation and removal of the soil from the area. The composite soil sample was sent to an ELAP-certified laboratory and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity and reactivity. Following review of the analytical results, the soil was loaded into 10-wheel dump trucks and transported off-site on December 2 through 6, 1999, for proper disposal as nonhazardous waste in accordance with applicable federal, state and local regulations. A total of approximately 38 20-cubic-yard truck loads of soil were removed from the site. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix A. Waste manifests are presented in Appendix E.

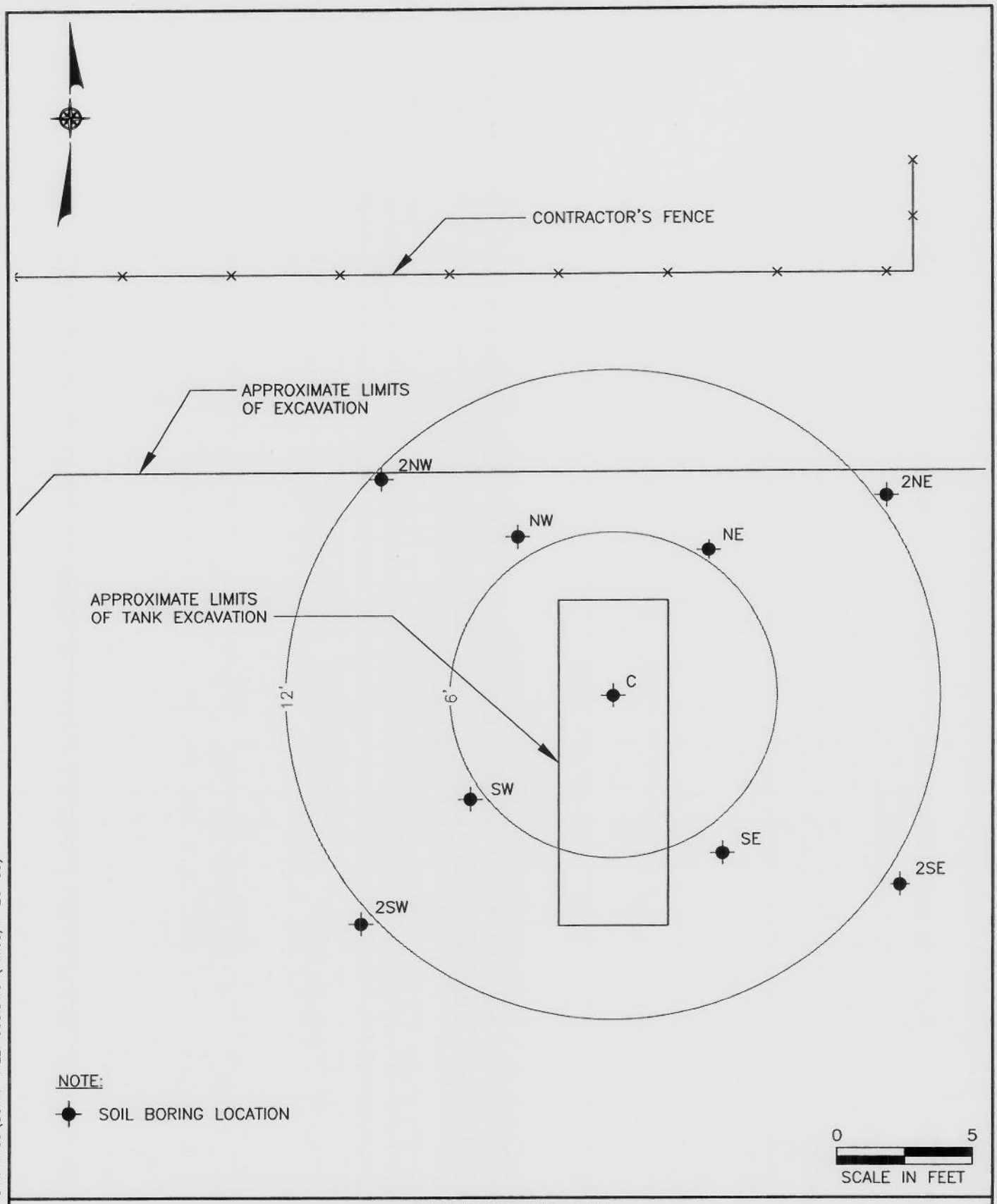
Tank Removal and Remediation

In addition to the buried structures encountered in the excavation which were mentioned in the previous section, an abandoned steel tank was also encountered approximately 20 feet east of the northwest corner of the excavation and 10 feet south of the northern limit. The tank measured approximately 2.5 feet in diameter and 4 feet in length. This tank was uncovered approximately 1-foot below grade during the excavation activities undertaken on November 19, 1999. The tank was filled with liquid which did not exhibit an odor or a visible sheen.

A sample of the liquid contained within the tank was sent to an ELAP-certified laboratory and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, ignitability, corrosivity and reactivity. The analytical results of this material did not identify any constituents of concern to be in excess of regulatory limits. As a result, the tank was excavated, staged on polyethylene sheeting, and subsequently placed in a roll-off container and removed for off-site transportation and disposal as a nonhazardous waste. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix A. Waste manifests are presented in Appendix E.

On December 3, 1999, two soil samples were collected from the soil beneath the tank and sent to an ELAP-certified laboratory to be analyzed for Spill Technology and Remediation Series (STARS) VOCs, STARS SVOCs and TCLP lead. The analytical results showed that elevated concentrations of some SVOCs were present in the soil beneath the tank and that lead was present at concentrations exceeding the Resource Conservation and Recovery Act (RCRA) limit (refer to Appendix A). Based upon these results, it was determined that further delineation of these elevated concentrations was necessary in order to focus remedial activities within the area.

On December 9, 1999, five soil borings were advanced within the tank excavation area to a depth of approximately 6 feet below the invert elevation of the tank. Soil samples were collected from the 2 to 4-foot and 4 to 6-foot depth intervals. The locations of these soil borings are depicted on Figure 2-3. One boring, denoted as soil boring "C," was located in the approximate center of the former tank area and the remaining four borings were located in an equidistant fashion on an approximate 6-foot radius from soil boring "C." These borings were denoted "NW" for northwest, "NE" for northeast, "SW" for southwest and "SE" for southeast. In addition, four borings were located on a 12-foot radius from soil boring "C" and denoted "2NW," "2NE," "2SW" and "2SE," respectively, and sampled in the same manner described above. All soil samples were sent to an ELAP-certified laboratory and analyzed for STARS total SVOCs and total lead. The soil samples collected from the borings located on the 12-foot radius



DIR: 1499\SCPR FILE: 008.DWG (T.McC/7-26-00)

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY

TANK SOIL SAMPLING LOCATION PLAN

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 2-3

were sent to the laboratory and placed "on hold" to await the results of the first round of samples and to determine whether these additional sample analyses were required.

Analytical results associated with the delineation sampling are presented in Appendix A. The analytical results of all samples analyzed from the 6-foot radius were below corresponding NYSDEC-approved action levels. However, the sample collected from the 4 to 6-foot depth interval of soil boring "C" exceeded the action level for lead. Based upon these results, the samples collected from the 12-foot radius were not analyzed, and a remediation plan was developed in consultation with the NYSDEC. This plan called for the excavation of soil from within a 5-foot radius around the central location (soil boring "C") to a depth of 6 feet below the bottom of the tank, with the excavated material being transported off-site for disposal as a hazardous waste (exhibiting the characteristic of toxicity for lead).

On December 16, 1999, remediation activities addressing the soil located beneath the former tank were undertaken. Soil was excavated from within a 5-foot radius of the central location to a depth of 9 feet below surrounding grade (6 feet below the former tank). The limits of excavation are depicted on Figure 2-3. The excavated material was placed within two polyethylene-lined roll-off containers which were staged on-site in the southern area while a determination was made on the disposal facility to be utilized. The excavation was backfilled with run-of-bank sand in 1-foot lifts with backhoe bucket compaction to a depth of 5 feet below surrounding grade. The remainder of the excavation was backfilled to surrounding grade in 6-inch lifts with mechanical compaction. The soil was subsequently removed from the site on January 5, 2000, for off-site disposal as a hazardous waste exhibiting the characteristic of toxicity for lead in accordance with all applicable federal, state and local regulations. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix A. Waste manifests are presented in Appendix E.

Site Restoration

Select fill material was transported to the site on January 5, 2000, and the entire area was backfilled and compacted, as required to match the surrounding subgrade elevation within the parking lot area. Backfill material was placed in 6-inch lifts and periodic compaction tests were taken by a certified laboratory, using a Troxler Nuclear Density Machine to determine if the specified 95% compaction results were being achieved.

Upon completion of backfilling and compacting operations to the required subgrade elevation, a 6-inch subbase was installed over the compacted select fill in accordance with the requirements of New York State Department of Transportation (NYSDOT) Type 4 specifications.

A 3-inch asphalt binder base was then placed over the compacted subbase in accordance with the requirements of NYSDOT Type 3 specifications.

Finally, a 2-inch top course of asphalt concrete was applied over the compacted asphalt binder in accordance with the requirements of NYSDOT Type 7 specifications to complete the restoration and "capping" of the Container Storage Area.

2.2 Former Paint Stripping Area

The following discussion pertains to the two areas of concern located within the former Paint Stripping Area: the paint stripping bays and the underground storage tank in the East Transfer Pit. The following presents a description of each area, as well as the closure activities which have been undertaken at each location.

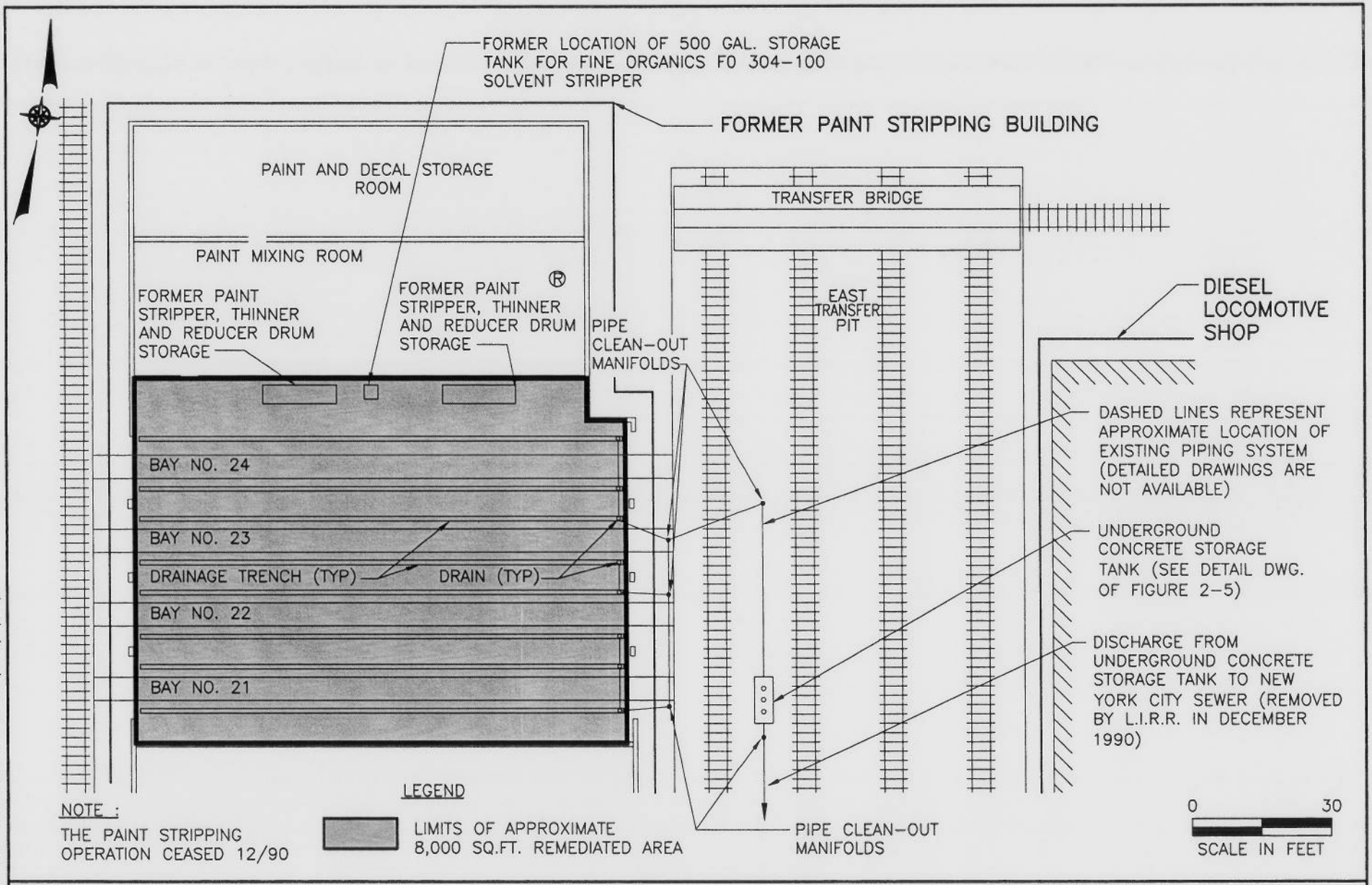
2.2.1 Paint Stripping Bays

As previously discussed, the former paint stripping operation was conducted within Bays 21 through 24 of the Paint Shop, which is located between the East and West Transfer Pits. This area is depicted on Figure 2-4. Operations involved the stripping of paint and decals from the exterior shell of both electric and diesel coach train cars. After the stripping was completed, the residual mixture was washed from the cars and collected in concrete troughs located on the bay floor. The troughs conveyed the spent solvent/rinse water mixture to floor drains, which, in turn, discharged to an underground storage tank system located in the East Transfer Pit, adjacent to the Paint Shop. From the underground storage tank, the supernatant was then discharged to the sewerage system.

January 1997 Closure Program

The concrete floor of the Paint Stripping Bays was decontaminated to the maximum extent practical, in accordance with the approved Closure Plan. The only volatile organic constituent detected in the final rinse water sample at a concentration above the NYSDEC Class GA Groundwater Standard was methylene chloride, which was found to be attributable to laboratory contamination since it was also detected in the method blank. However, a residual layer of dried paint sludge which could not be removed remained adhered to portions of the concrete floor. Analysis of this material indicated the presence of elevated concentrations of VOCs and SVOCs, and elevated concentrations of VOCs, PCBs and metals were present in concrete core samples collected from the floor of the bays.

Since the contamination, which was in the form of dried paint sludge, was characterized as an F-listed waste, D&B proposed a methodology for decontamination which was consistent with the performance standard outlined in the Debris Rule of the Land Disposal Restriction Rule. As a result, specifications were prepared to require the removal of 0.6 cm (approximately 0.25 inches) of the concrete surface of Bays 21 through 24 as a means of complying with the clean debris surface definition in accordance with the performance standards of the Debris Rule.



DIR: 1499 FILE: 1499-03-2.DWG\LVG\7\27\00

LONG ISLAND RAILROAD
MORRIS PARK FACILITY, RICHMOND HILL NEW YORK

LIMITS OF REMEDIATION WITHIN THE FORMER PAINT STRIPPING AREA

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 2-4

The methodology to be utilized to perform this task was outlined in the Work Plan Addendum and concurred with by the Department. Procedures associated with this task were subsequently carried out in the Supplemental Closure Program.

Supplemental Closure Program

Decontamination of the concrete floors in the Paint Stripping Bays was initiated on February 8, 2000, with the mechanical removal of dried paint sludge adhering to portions of the concrete floor simultaneously with the removal of 0.6 cm (approximately 0.25 inches) of the concrete floor surface. The work was undertaken over an approximate area of 8,000 square feet. The limits of this area are depicted on Figure 2-4.

The irregular surface of the concrete floor in the Paint Stripping Bays necessitated the use of a variety of physical extraction technologies to meet the performance objective. These included abrasive blasting, scarification and grinding. Flat surfaces were best addressed using a "Blastrac" blasting machine, which performs abrasive blasting of the paint sludge and concrete floors. Areas along running rails, in the concrete troughs, adjacent to walls and around building columns were inaccessible with the blasting machine. In these areas, floor scrapers, which utilize chipping hammers and grinding wheels, were utilized to insure that all surfaces within the Paint Stripping Bays were addressed and the performance objective was achieved. Vacuuming along the running rails was also performed to capture any particulate matter from these crevices deposited during the blasting, scarification and grinding operations.

"Critical barriers" to contain any dust and particulate matter generated as part of the decontamination program were erected at all locations of ingress and egress to the Paint Stripping Bays. These barriers consisted of polyethylene sheeting held in place by 2 x 4 lumber strips.

A total of 30 55-gallon drums of scarification residuals (particulate paint sludge and concrete) were transported off-site for proper disposal as an F-listed hazardous waste in

accordance with applicable federal, state and local regulations. Waste manifests are provided in Appendix E.

On March 2, 1999, the floor was pressure washed with potable water and waste rinse water was collected and containerized in dedicated plastic aboveground containers. A sample of the rinse water was collected for characterization by analysis at a certified laboratory for total VOCs by Method 8260 to determine the presence of F-listed constituents. Based on these analyses, the waste rinse water was transported off-site as a hazardous waste for proper disposal in accordance with applicable federal, state and local regulations. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix B. Waste manifests are presented in Appendix E.

An initial visual inspection was undertaken by D&B on February 28, 2000 to assure that the performance objective of the Debris Rule was in fact being achieved. A clean debris surface is defined as the following:

> *"Clean debris surface" means the surface, when viewed without magnification, shall be free of all visible contaminated soil and hazardous waste, except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste and cracks, crevices, and pits, may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area.*

Based on the results of the initial inspection conducted on February 28, 2000, several localized areas were found to require additional concrete removal due to residual accumulation of paint sludge in cracks and crevices. This concrete and the associated residual deposits of paint sludge was, in turn, removed and a subsequent inspection was conducted by D&B, on March 9, 2000. At that time, it was found that the performance objectives of the Debris Rule were satisfied. A representative of the NYSDEC also conducted an inspection on March 14, 2000, and concurred that the performance objectives of the Debris Rule were satisfied.

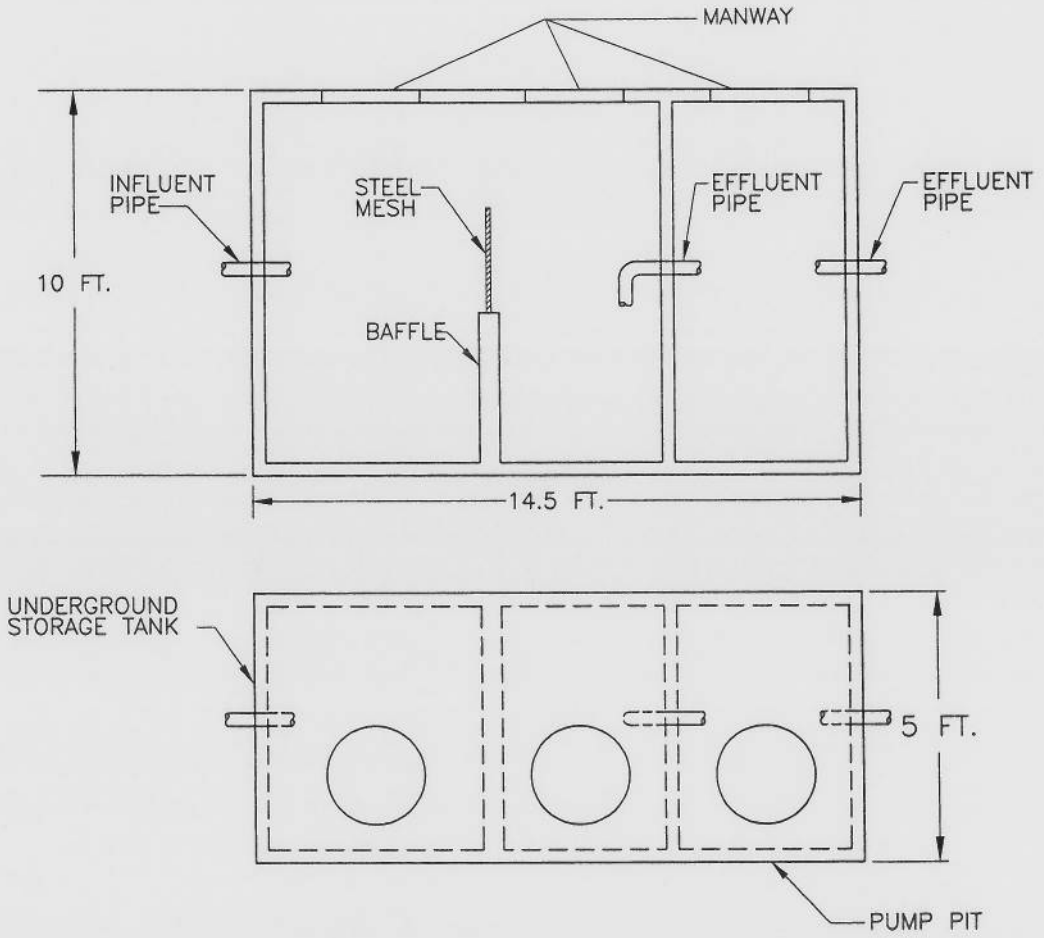
2.2.2 Underground Storage Tank

The underground storage tank is constructed of concrete and is located in the northwest portion of the East Transfer Pit. The tank is approximately 5 feet wide, 14.5 feet long and 10 feet deep, and is accessible by three manways. The tank is divided into two main sections. The larger, main section contains a 3-foot high concrete baffle topped by a steel mesh screen. The smaller section is a pump pit which previously conveyed the liquid from the tank to the municipal sewer system via an effluent pipe at the southern end of the tank. A diagram of the UST is presented on Figure 2-5. A 5-inch diameter influent pipe located on the north wall of the tank previously received waste that drained from the troughs located in Bays 21 through 24.

January 1997 Closure Program

The tank was decontaminated from grade to the maximum extent practicable through the existing manways. However, due to access constraints, concrete chip samples could not be obtained, as had been prescribed in the approved Closure Plan. The approved plan also called for the excavation of the underground storage tank to comply with the requirements of 6 NYCRR Part 373-2.10(h). However, due to the fact that the East Transfer Pit is below the surrounding grade and is actively used to move railroad equipment, it became apparent that access to the area and the underground storage tank by excavation and demolition equipment would be difficult due to physical and operational constraints. Furthermore, based upon the findings of the subsurface soil sampling program undertaken immediately adjacent to the underground storage tank and associated piping, it did not appear that the removal of the tank and surrounding soil was warranted, since unacceptable levels of contaminants were not found to exist in the vicinity of the tank.

As a result, as provided for in 6 NYCRR Part 372-2.10(h)(2), the Long Island Rail Road had proposed to close the underground storage tank in accordance with the closure and post-closure care requirement for landfills (6 NYCRR Part 372-2.14(g), 373-2.7 and 373-2.8).



0 5

SCALE IN FEET

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY, RICHMOND HILL, NEW YORK

UNDERGROUND STORAGE TANK DETAIL

FIGURE 2-5

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

DIR: 1499\SCRP FILE: 006.DWG LVG\7\21\00

Following a review of the closure/investigation report, the NYSDEC provided its technical comments in correspondence to the LIRR dated March 31, 1997, which, among other items, included its concurrence with the recommendation to close the underground storage tank in place pursuant to a post-closure permit. As a result, a Part 373 Post Closure Permit Application was prepared pursuant to New York State's hazardous waste regulations to provide for the in-place closure of the tank in accordance with the applicable closure and post-closure care requirements for landfills. Procedures associated with this task were carried out in the Supplemental Closure Program.

Supplemental Closure Program

On March 3, 2000, a sample was collected from the storm water in the tank for characterization utilizing the contained-in rule through analysis at a certified laboratory for toluene and methylene chloride (by Method 8260). Based on these analyses, the storm water was found to meet the contained-in groundwater action levels for toluene and methylene chloride, and therefore, was managed as a non-hazardous waste. A vacuum tanker truck was used to remove the storm water from the UST, which was transported off-site for disposal in accordance with all applicable federal, state and local regulations. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix B. Waste manifests are presented in Appendix E.

The overburden material was subsequently excavated from the top of the tank, exposing the concrete slab covers. The overburden was stockpiled nearby on polyethylene sheeting. The concrete slab covers were then removed from the main tank section and the pump pit and placed in a separate location adjacent to the area of construction.

Decontamination of the tank, concrete cover and piping was then initiated by washing with a 10% solution of muriatic acid. The spent muriatic acid solution was pumped from the tank and piping into a dedicated plastic drum for temporary on-site containment. One sample of

the spent muriatic acid solution was collected for characterization utilizing the mixture rule through the analysis of toluene and methylene chloride (by Method 8260). The results of this sampling, indicated that the spent muriatic acid solution contained the F-listed constituents toluene and methylene chloride. As a result, the spent muriatic acid solution was managed as a hazardous waste. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix B. Waste manifests are presented in Appendix E.

The tank cover and piping was then further decontaminated utilizing a pressure steam cleaning machine accompanied by a non-phosphate detergent. The spent non-phosphate detergent solution was then pumped into a dedicated plastic drum for temporary on-site containment. One sample of the spent non-phosphate detergent was collected for characterization utilizing the mixture rule through analysis of toluene and methylene chloride (by Method 8260). The analytical results of this sample indicated that the spent non-phosphate solution contained the F-listed constituents toluene and methylene chloride. As a result, the spent nonphosphate solution was transported off-site for disposal as a hazardous waste. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix B. Waste manifests are presented in Appendix E.

The decontamination procedure continued with the tank and piping being rinsed three times with a pressurized steam cleaner. The waste rinse water was then pumped into dedicated plastic drums for temporary on-site containment. One sample of the waste rinse water was collected for characterization utilizing the mixture rule through analysis of toluene and methylene chloride (by Method 8260). The analytical results of this sample indicated that the waste rinse water contained the F-listed constituents toluene and methylene chloride. As a result, the spent waste rinse water was transported off-site for disposal as a hazardous waste. Analytical summary tables presenting the characterization analyses, as well as raw laboratory analytical data

associated with the waste characterization and any additional analytical requirements of the disposal facility, are presented in Appendix B. Waste manifests are presented in Appendix E.

After decontamination, distilled water was run over the inside surface of the concrete slab and one rinsate sample was collected for laboratory analysis of toluene and methylene chloride (by Method 8260). In accordance with the requirements of the Part 373 Post Closure Permit Application and correspondence from the NYSDEC, the analytical results of this sample are to be utilized to evaluate the effectiveness of the decontamination activities. The analytical results of this sample, presented on Table 2-1, indicated that the waste rinse water did not contain toluene or methylene chloride.

Also, following the decontamination of the UST, distilled water was run over the inside surface of the concrete floor of the UST and one rinsate sample was collected for laboratory analysis of toluene and methylene chloride (by Method 8260). In accordance with the requirements of the Part 373 Post Closure Permit Application and correspondence from the NYSDEC, the analytical results of this sample are to be utilized to evaluate the effectiveness of the decontamination activities. The analytical results of this sample, presented on Table 2-1, indicated that the waste rinse water did not contain toluene or methylene chloride.

Three split spoon soil samples were also collected from beneath the underground storage tank in accordance with the provisions of the Part 373 Post Closure Permit Application. These samples were collected from the northern, central and southern locations along the floor of the UST and consequently given the sample designations "north," "center" and "south," respectively. Samples were analyzed for methylene chloride and toluene. The results of this sampling event, presented on Table 2-2, indicated concentrations of toluene in the "north" and "center" soil samples. Findings and conclusions associated with these analytical results are presented in Section 3.

The field activities associated with the closure of the underground storage tank resumed on Monday, July 24, 2000. Since the rinse water sampling activities performed on the concrete

TABLE 2-1
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STRIPPING OPERATION AREA
RINSATE SAMPLES COLLECTED FROM UNDERGROUND STORAGE TANK
METHYLENE CHLORIDE AND TOLUENE

SAMPLE ID DESCRIPTION DATE OF COLLECTION UNITS	**MPTW-1** Concrete Slab 3/6/00 ug/l	**MPTW-2** Bottom of Tank 3/6/00 ug/l	**Contract Required Detection Limits** ug/l	**NYSDEC "Contained-In" Groundwater Action Level** ug/l
Methylene chloride	U	U	1	5
Toluene	U	U	1	5

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 2-2
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STRIPPING OPERATION AREA
SOIL SAMPLES COLLECTED FROM UNDERNEATH UNDERGROUND STORAGE TANK
METHYLENE CHLORIDE AND TOLUENE

SAMPLE ID DESCRIPTION DATE OF COLLECTION UNITS	**South # 1** South 3/8/00 mg/kg	**Center # 2** Center 3/8/00 mg/kg	**North # 3** North 3/8/00 mg/kg	**Contract Required Detection Limits** mg/kg	**NYSDEC "Contained-In" Soil/Sediment Action Level** mg/kg
Methylene chloride	U	U	U	0.025	85
Toluene	U	18	20	0.025	16,000

QUALIFIERS:
U: Constituent analyzed for but not detected.

tank covers had demonstrated that the covers had been successfully decontaminated, they were broken up by utilizing a Bobcat fitted with a jackhammer attachment and were placed inside the tank in accordance with the provisions of the Part 373 Post Closure Permit Application.

Subsequent to placing the tank covers within the tank, approximately 20 cubic yards of new concrete was then placed in the tank to provide for its final closure. The concrete was leveled and allowed to dry in place prior to backfill.

The overburden of the tank was replaced on Wednesday, July 26, 2000, after allowing sufficient time for the concrete to cure. Approximately 7 cubic yards of the original overburden was available. Since the volume of this material was not adequate to sufficiently restore the area to grade, 12 cubic yards of sand was transported to the site to finalize the restoration of the area.

2.3 Groundwater Investigation

This section discusses the groundwater sampling results from the January 1997 Closure Program, as well as the first and second round of groundwater sampling conducted pursuant to the Groundwater Monitoring Plan associated with the Part 373 Post Closure Permit Application.

2.3.1 Container Storage Area

January 1997 Closure Program

The predominant direction of groundwater flow in this area was found to be to the southwest. However, monitoring wells CMW-1, CMW-2 and CMW-3 are each located in a cross gradient location from the Container Storage Pad and Leaching Pool. Given the fact that the three installed wells provided additional data on groundwater flow direction in this area of the site, it was recommended that one additional well be installed downgradient of the concrete Container Storage Pad and another be installed downgradient of the Leaching Pool to

appropriately evaluate any potential adverse impacts to groundwater quality from the Container Storage Area.

The Department concurred with the recommendations of the January 1997 Closure Program report and subsequently approved the Groundwater Monitoring Plan which was submitted as an exhibit to the Part 373 Post Closure Permit Application. These groundwater monitoring activities were initiated during the Supplemental Closure Program.

Groundwater Monitoring Program

The NYSDEC-approved Groundwater Monitoring Plan for the Container Storage Area is as follows:

- Install two wells (CMW-4 and CMW-5) downgradient of the concrete container storage pad and leaching pool. The wells will be installed in borings advanced using the hollow stem auger method of drilling to a depth of approximately 62 feet. Split spoon samples will be collected, as necessary, in order to set the screen depth. Assuming the wells are flush mounted, the well construction will consist of approximately 46 feet of 2-inch PVC riser pipe and a 15-foot 2-inch diameter stainless steel screen. The bottom of the screen will be sealed with a threaded plug. Each well will have a locking cover.

- Develop each of the two new wells for up to two hours each or until 50 NTUs or less of turbidity is achieved, whichever comes first.

- Purge the two new wells (CMW-4 and CMW-5) and the three existing wells (CMW-1, CMW-2 and CMW-3) of a minimum of three well volumes each.

- Dispose of drill cuttings on-site as per NYSDEC TAGM 4032.

- Dispose of decontamination water, purge water and development water on-site as per NYSDEC's draft TAGM.

- Collect one groundwater sample from each of the two new wells and the three existing wells and one set of QA/QC samples (field blank, trip blank, matrix spike and matrix spike duplicate).

- Analyze each of the groundwater samples collected from the two new wells and the existing upgradient well (CMW-1) for target compound list (TCL) volatile organic compounds (VOCs) utilizing Method 8260, TCL semivolatile organic compounds

(SVOCs) utilizing Method 8270, total lead utilizing Method 7421, total antimony utilizing Method 7041 and total beryllium utilizing Method 6010.

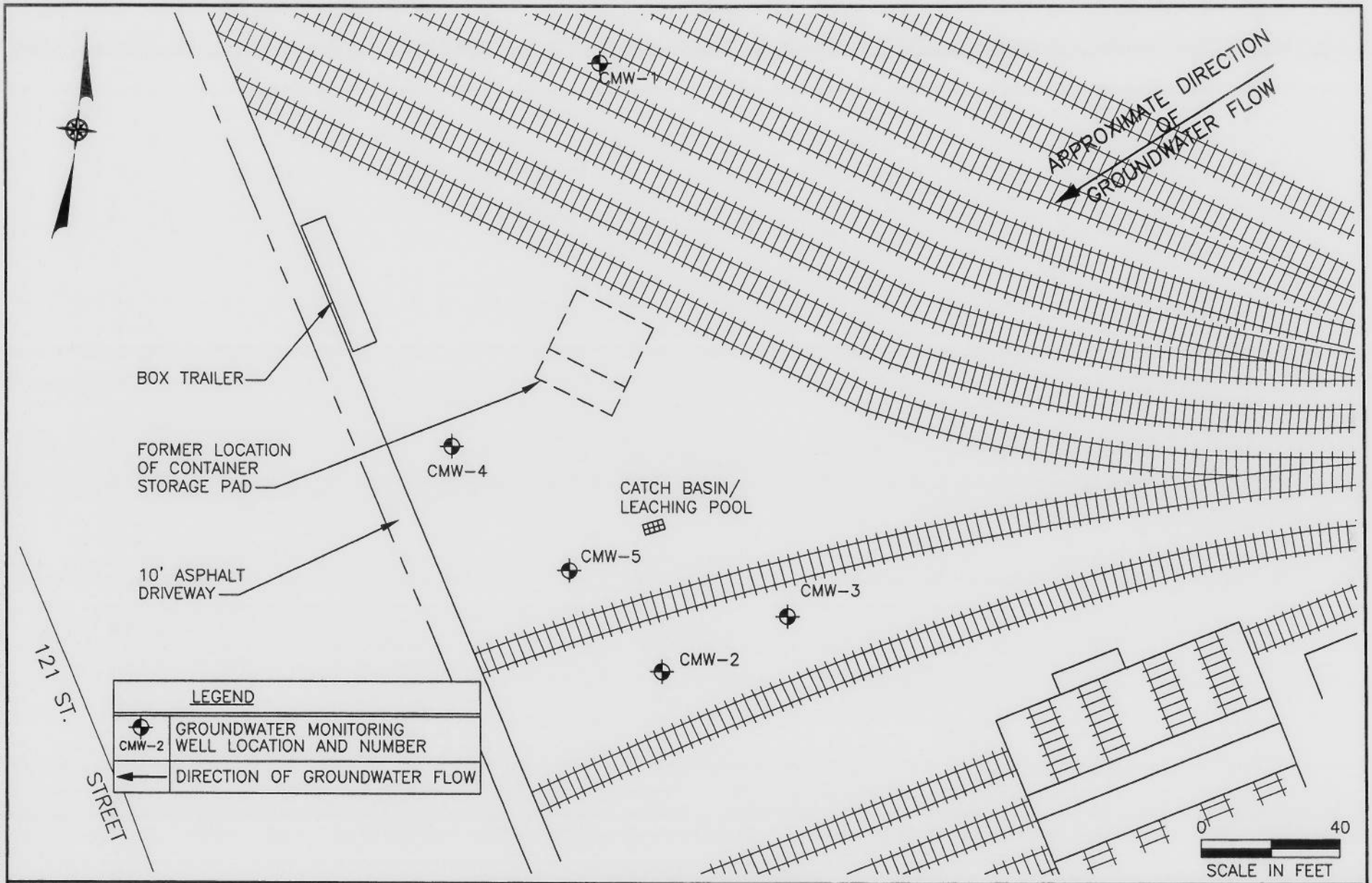
- Analyze each of the groundwater samples collected from existing wells CMW-2 and CMW-3 for tetrachloroethene utilizing Method 8260.

- Conduct groundwater monitoring on a quarterly basis for the first 12 months. The constituents to be monitored for, the frequency of monitoring, and the term of monitoring may be modified by the NYSDEC following an evaluation of the first four quarterly monitoring results.

In August 1999, monitoring wells CMW-4 and CMW-5 were installed in the Container Storage Area in accordance with the above protocol (refer to Figure 2-6). On October 28, 1999, Dvirka and Bartilucci Consulting Engineers conducted the initial round of sampling associated with the 12-month quarterly monitoring program.

The analytical results of the groundwater samples from the first round of sampling within the Container Storage Area are summarized on Tables 1 through 3 in Appendix C. Targeted constituents were not detected above the method detection limits with the following exceptions:

- CMW-1
  - Tetrachloroethene was detected at a concentration of 1.0 ug/l.
  - Antimony was detected at a concentration of 4.4 ug/l.
  - Lead was detected at a concentration of 14.1 ug/l.
- CMW-2
  - Tetrachloroethene was detected at a concentration of 6.0 ug/l.
  - Lead was detected at a concentration of 14.6 ug/l.
- CMW-3
  - Tetrachloroethene was detected at a concentration of 9.0 ug/l.
  - Lead was detected at a concentration of 10.0 ug/l.



DIR: 1499\SCPR FILE:011.DWG (T.McC/7-28-00)

LONG ISLAND RAIL ROAD
MORRIS PARK FACILITY, RICHMOND HILL, NEW YORK

CONTAINER STORAGE AREA
GROUNDWATER MONITORING WELL LOCATION MAP

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

FIGURE 2-6

- CMW-4
  - Tetrachloroethene was detected at a concentration of 8.0 ug/l.
  - 1,2,4-Trichlorobenzene was detected at a concentration of 2.0 ug/l.
  - Hexachlorobutadiene was detected at a concentration of 1.0 ug/l.
  - Naphthalene was detected at a concentration of 2.0 ug/l.
  - 1,2,3-Trichlorobenzene was detected at a concentration of 2.0 ug/l.
- CMW-5
  - Tetrachloroethene was detected at a concentration of 4.0 ug/l.

On April 26 through April 28, 1999, Dvirka and Bartilucci Consulting Engineers conducted the second round of groundwater sampling at the Container Storage Area. The analytical results associated with this second round of sampling are summarized on Tables 1 through 3 in Appendix D. Targeted constituents were not detected at concentrations above method detection limits with the following exceptions:

- CMW-1
  - Tetrachloroethene was detected at a concentration of 1.0 ug/l.
  - Several metals detected above method detection limits.
- CMW-2
  - Tetrachloroethene was detected at a concentration of 5.0 ug/l.
- CMW-3
  - Tetrachloroethene was detected at a concentration of 9.0 ug/l.
- CMW-4
  - Tetrachloroethene was detected at a concentration of 8.0 ug/l.
  - Several metals detected above method detection limits.

- CMW-5
  - Tetrachloroethene was detected at a concentration of 2.0 ug/l.
  - Bis(2-Ethylhexyl)phthalate was detected at a concentration of 3.0 ug/l.
  - Several metals detected above method detection limits.

2.3.2 Underground Storage Tank/Abandoned Sewer Line

January 1997 Closure Program

The predominant direction of groundwater flow in this area was found to be to the southwest. Based on this direction of groundwater flow, it was determined that the monitoring wells installed during the January 1997 Closure Program were not ideally located. As a result, recommendations of the January 1997 Closure Program included that one additional upgradient monitoring well and one additional downgradient monitoring well be installed to support the proposed in-place closure approach for the Underground Storage Tank.

Although the Department concurred with the recommendations of the January 1997 Closure Program report, subsequent discussions with the NYSDEC resulted in some modifications. In consultation with the NYSDEC, the Groundwater Monitoring Plan ultimately called for four new wells to be installed as follows: one well downgradient of the pipes exiting the Former Paint Stripping Shop, one well downgradient of the tank, and two wells downgradient of the abandoned sewer line near the facility boundary line. As previously mentioned, this Groundwater Monitoring Plan was submitted as part of a Part 373 Post Closure Permit Application and approved by the Department. These groundwater monitoring activities were initiated during the Supplemental Closure Program.

Groundwater Monitoring Program

The NYSDEC-approved Groundwater Monitoring Plan for the Underground Storage Tank/Abandoned Sewer Line is as follows:

- Install one well downgradient of the pipes exiting the Former Paint Stripping Shop (PMW-6), one well downgradient of the tank (PMW-7), and two wells downgradient of the abandoned sewer line near the facility boundary line (PMW-4 and PMW-5). The protocol for installation was the same as for the new wells in the Container Storage Area (refer to Section 2.3.1).

- Develop each of the four new wells for up to two hours each or until 50 NTUs or less of turbidity is achieved, whichever comes first.

- Purge the four new wells of a minimum of three well volumes each.

- Dispose of drill cuttings on-site as per NYSDEC TAGM 4032.

- Dispose of decontamination water, purge water and development water on-site as per NYSDEC's draft TAGM.

- Collect one groundwater sample from each of the four new wells and one set of QA/QC samples (field blank, trip blank, laboratory storage blank [for methylene chloride], matrix spike and matrix spike duplicate).

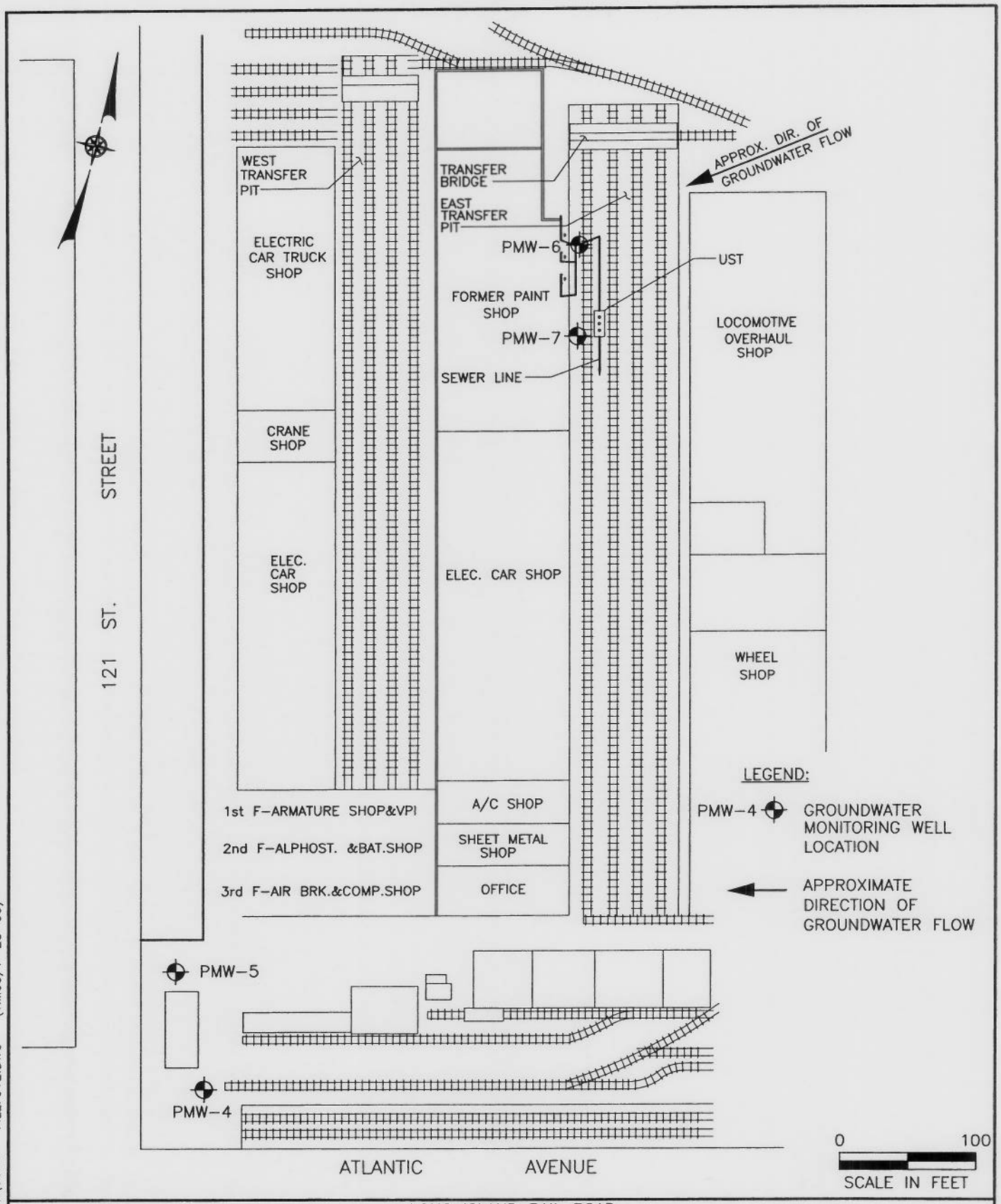
- Analyze each of the four groundwater samples and QA/QC samples for target compound list (TCL) volatile organic compounds (VOCs) utilizing Method 8260, total lead utilizing Method 7421, total arsenic utilizing Method 7060, and total cadmium, chromium and beryllium utilizing Method 6010 (trace ICP).

- Conduct groundwater monitoring on a quarterly basis for the first 12 months. Based upon instruction from the NYSDEC provided in the March 31, 1997 correspondence, the constituents to be monitored for, the frequency of monitoring, and the term of monitoring, may be modified by the NYSDEC following an evaluation of the first four quarterly monitoring results.

- An existing well in the East Transfer Pit which was found to be structurally damaged (PMW-3) was closed in accordance with NYSDEC protocol.

In August 1999, monitoring wells PMW-4, PMW-5, PMW-6 and PMW-7 were installed in accordance with the above protocol (refer to Figure 2-7). On October 29, 1999, Dvirka and Bartilucci Consulting Engineers conducted the initial round of sampling associated with the 12-month quarterly monitoring program.

The analytical results of the groundwater samples associated with this first round of sampling at the Underground Storage Tank/Abandoned Sewer Line are summarized on Tables 4



LONG ISLAND RAIL ROAD
MORRIS PARK FACILITY, RICHMOND HILL, NEW YORK

UNDERGROUND STORAGE TANK/ ABANDONED SEWER LINE MONITORING WELL LOCATION MAP

FIGURE 2–7

Dvirka and Bartilucci Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

DIR: 1499\SCPR FILE: 012.DWG (T.McC/7–28–00)

and 5 in Appendix C. Targeted constituents were not detected above the method detection limits with the following exceptions:

- PMW-4
  - Trichlorofluoromethane was detected at a concentration of 490 ug/l.
  - Tetrachloroethene was detected at a concentration of 4.0 ug/l.
  - Beryllium was detected at a concentration of 0.28 ug/l.
  - Cadmium was detected at a concentration of 1.1 ug/l.
  - Chromium was detected at a concentration of 50.9 ug/l.
  - Lead was detected at a concentration of 10.9 ug/l.
- PMW-5
  - Trichlorofluoromethane was detected at a concentration of 220 ug/l.
  - Tetrachloroethene was detected at a concentration of 13 ug/l.
  - Cadmium was detected at a concentration of 1.3 ug/l.
  - Chromium was detected at a concentration of 58.9 ug/l.
  - Lead was detected at a concentration of 15.9 ug/l.
- PMW-6
  - Chloroform was detected at a concentration of 5.0 ug/l.
  - Cadmium was detected at a concentration of 1.4 ug/l.
  - Chromium was detected at a concentration of 34.3 ug/l.
  - Lead was detected at a concentration of 16.6 ug/l.
- PMW-7
  - Chloroform was detected at a concentration of 2.0 ug/l.
  - Tetrachloroethene was detected at a concentration of 1.0 ug/l.
  - Cadmium was detected at a concentration of 1.6 ug/l.

- Chromium was detected at a concentration of 1.4 ug/l.
- Lead was detected at a concentration of 12.6 ug/l.

On April 27 through April 29, 1999, D&B conducted the second round of groundwater sampling in this area. The analytical results of these groundwater samples are summarized on Tables 4 and 5 in Appendix D. Targeted constituents were not detected above the method detection limits with the following exceptions:

- PMW-4
  - Tetrachloroethene was detected at a concentration of 3.0 ug/l.
  - Several metals detected above method detection limits.
- PMW-5
  - Tetrachloroethene was detected at a concentration of 10 ug/l.
  - Several metals detected above method detection limits.
- PMW-6
  - Chloroform was detected at a concentration of 5.0 ug/l.
  - Tetrachloroethene was detected at a concentration of 1.0 ug/l.
  - Bis(2-ethylhexyl)phthalate was detected at a concentration of 2.0 ug/l.
  - Several metals detected above method detection limits.
- PMW-7
  - Chloroform was detected at a concentration of 8.0 ug/l.
  - Bromodichloromethane was detected at a concentration of 1.0 ug/l.
  - Several metals detected above method detection limits.

Section 3

3.0 CONCLUSIONS

This section presents a summary of the findings and conclusions of the activities undertaken and completed in support of this Supplemental Closure Program at the Morris Park Repair Facility. Specifically, the discussion below summarizes closure activities undertaken at the areas of concern associated with the two hazardous waste management units referred to as the Container Storage Area and the Former Paint Stripping Area.

3.1 Container Storage Area

The following areas of concern are located within the Container Storage Area of the Morris Park Repair Facility.

Leaching Pool

As required as part of the NYSDEC approved Work Plan Addendum associated with this Supplemental Closure Program, 2 feet of soil was excavated and removed from the area immediately below the leaching pool invert and the pool was then backfilled to the original invert in order to minimize and/or prevent the potential for the ring structures of the pool to be undermined.

Analytical results of a composite sample of the soil, which was removed from the pool, indicated that the material was non-hazardous. As a result, this material, which was contained within a roll-off container, was transported off-site for proper disposal as nonhazardous waste in accordance with applicable federal, state and local regulations.

As a result, the leaching pool has undergone the investigation and remediation protocols in accordance with the Work Plan Addendum. Therefore, closure activities associated with this structure are complete.

Concrete Container Storage Pad

As required as part of the Work Plan Addendum associated with this NYSDEC-approved Supplemental Closure Program, the concrete storage pad has been excavated and removed.

Analytical results of a composite sample of concrete indicated that the material was nonhazardous. As result, this material was transported off-site for proper disposal as a nonhazardous waste in accordance with applicable federal, state and local regulations.

As a result, the concrete container storage pad area has undergone the investigation and remediation protocols in accordance with the Work Plan Addendum. Therefore, closure activities associated with this structure are complete.

Asphalt Lot

As required as part of the Work Plan Addendum associated with this NYSDEC-approved Supplemental Closure Program, closure activities undertaken and completed at the asphalt lot included the removal of asphalt from the approximate 8,000-square foot area surrounding the concrete storage pad, as well as the removal of the underlying surficial soil to a depth of 2 feet below grade.

As discussed in the previous section, during the remediation of this area, an underground storage tank was encountered. Subsurface soil samples collected and analyzed from within the area of the tank were found to contain levels of lead, which classified the soil as a characteristic hazardous waste. As a result, this localized area of soil contamination was delineated through a subsurface soil sampling program and was excavated and removed from the site for proper disposal as hazardous waste in accordance with applicable federal, state and local regulations. The remainder of the excavated soil within this area of concern, as well as the asphalt, was transported off-site for proper disposal as non-hazardous waste in accordance with applicable federal, state and local regulations.

As a result, the asphalt lot area has undergone the investigation and remediation protocols in accordance with the Work Plan Addendum prepared in accordance with the NYSDEC-approved Closure Plan. Therefore, closure activities associated with this area of concern are complete.

3.2 Former Paint Stripping Area

The following areas of concern are located within the Former Paint Stripping Area of the Morris Park Repair Facility.

Paint Stripping Bays

As required as part of the Work Plan Addendum associated with this NYSDEC-approved Supplemental Closure Program, closure activities undertaken and completed within Paint Stripping Bays 21 through 24 included the removal of 0.6 cm of the concrete floor utilizing various physical extraction technologies. The scarified material was transported off-site as a hazardous waste in accordance with applicable federal, state and local regulations.

Based upon an inspection of this area conducted by D&B on March 9, 2000, and an inspection conducted by NYSDEC on March 14, 2000, it was determined that the performance standards of the Debris Rule were satisfied in this area. As a result, the Paint Stripping Bays have undergone the investigation and remediation protocol in accordance with the Work Plan Addendum prepared in accordance with the NYSDEC approved Closure Plan. Therefore, closure activities associated with this area of concern are complete.

East Transfer Pit Underground Storage Tank

The underground storage tank located within the East Transfer Pit was utilized to temporarily store and treat a mixture of hazardous waste paint sludge and rinse water generated within Bays 21 through 24 of the Former Painting Stripping Area. The tank did not comply with either the interim or final status standards for the operation of a hazardous waste storage tank.

The tank was also located in an active portion of the Morris Park Repair Facility; a situation which did not allow for the closure of the tank system through excavation and removal. As a result, the Long Island Rail Road sought to ultimately achieve closure of the tank system through the development and implementation of a Post Closure Permit.

As a result, a Post Closure Permit Application was prepared and submitted to the New York State Department of Environmental Conservation. The Post Closure Permit Application including its requirements for an extensive groundwater monitoring program, served as the basis for ultimately achieving clean closure of the tank system.

In accordance with the Part 373 Post-Closure Permit Application, closure activities performed at the underground storage tank included the removal of residual liquids, decontamination of the tank, subsurface soil samples advanced beneath the tank for chemical analysis and, backfilling of the tank with concrete to achieve in-place abandonment.

Based on analytical sampling of the standing storm water present in the tank at the initiation of the Supplemental Closure Program, this accumulated storm water was removed and properly transported off-site as nonhazardous waste in accordance with applicable federal, state and local regulations.

Samples of wash water used to decontaminate the underground storage tank revealed the presence of the F-listed constituents methylene chloride and toluene. As such, due to the mixture rule, it was properly transported off-site as hazardous waste in accordance with applicable federal, state and local regulations.

As discussed in Section 2, three soil samples designated "north," "center" and "south," respectively, were collected from the northern, central and southern locations along the floor of the UST. The results of this sampling event did not reveal concentrations of any constituents above the contained-in action levels. Based upon a review of these results, the NYSDEC authorized the final in-place closure of the UST.

In accordance with the NYSDEC-approved Part 373 Post Closure Permit Application, the concrete tank covers were broken up and placed within the UST. Subsequently, new concrete was placed into the UST and allowed to cure. The overburden of the UST was then replaced to surrounding grade.

As a result, the underground storage tank located within the East Transfer Pit has undergone the investigation and remediation protocols in accordance with the NYSDEC-approved Part 373 Post Closure Permit Application. Therefore, closure activities associated with this area of concern are complete.

Section 4

4.0 CERTIFICATION OF CLOSURE

I certify under penalty of law that the Former Container Storage Area, including the Leaching Pool, Concrete Container Storage Pad and adjacent Asphalt Lot, as well as the Former Paint Stripping Area including the Underground Storage Tank in the East Transfer Pit and Paint Stripping Bays 21 through 24, located at the Long Island Rail Road Morris Park Repair Facility in Richmond Hill, Queens County, New York, have been properly closed in accordance with the specifications contained in the New York State Department of Environmental Conservation (NYSDEC) approved documents entitled, "Closure Investigation Work Plan Addendum for the Container Storage Area and Former Paint Stripping Operation," final revision dated April 1998, and "Part 373 Post-Closure Permit Application for the East Transfer Pit Underground Storage Tank," final revision dated August 1999. It should be noted, as stated previously in this report, since the Underground Storage Tank in the East Transfer Pit has achieved a "clean closure," the post-closure activities referenced in the Part 373 Post-Closure Permit Application for this unit have been determined to be unnecessary with the exception of the requirement of one-year of quarterly groundwater monitoring activities. It is anticipated that the analytical results of the final round of groundwater monitoring activities associated with this one-year period will be submitted to the NYSDEC in December 2000. At that time, as provided for in the Groundwater Monitoring Plan, following an evaluation of these results, the NYSDEC will determine if the groundwater monitoring activities need to continue under the same protocols, be modified, or be terminated.

OWNER/OPERATOR

Signature: Lewis D Wunderlich

Name: Lewis D. Wunderlich

Title: Environmental Engineer

Date: 9/15/00

INDEPENDENT PROFESSIONAL ENGINEER

Signature: Peter J. Koehler

Name: Peter J. Koehler, P.E.

Title: Construction Inspector

Date: 12/8/00

Appendix A

APPENDIX A

CONTAINER STORAGE AREA – WASTE CHARACTERIZATION RESULTS

SUMMARY TABLES
FOR
CHARACTERIZATION ANALYSES

TABLE 1A
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
TCLP VOLATILE AND SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID DESCRIPTION DATE OF COLLECTION DILUTION FACTOR UNITS	**SAMPLEA** Tank water 11/23/99 1.0 (ug/L)	**SAMPLEB** Leaching Pool Soil 11/23/99 1.0 (ug/L)	**1** Leaching Pool Water 11/17/99 1.0 (ug/L)	**2** Concrete Sample No. 1 11/17/99 1.0 (ug/L)	**3** Asphalt Sample 11/17/99 1.0 (ug/L)	**4** Composite Soil 11/19/99 10 (ug/L)	**7** Concrete Sample No. 2 11/19/99 1.0 (ug/L)	**Contract Required Detection Limits** **(ug/L)**	**REGULATORY LEVEL** **(ug/L)**
TCLP VOCs									
Vinyl Chloride	U	U	U	U	U	U	U	5	200.0
1,1-Dichloroethene	U	U	U	U	U	U	U	5	700.0
Chloroform	U	U	U	U	U	U	U	5	6,000
Carbon Tetrachloride	U	U	U	U	U	U	U	5	500.0
Benzene	U	U	U	U	U	U	U	5	500.0
1,2-Dichloroethane	U	U	U	U	U	U	U	5	500.0
Trichloroethene	U	U	U	U	U	U	U	5	500.0
Tetrachloroethene	U	U	U	U	U	U	U	5	700.0
Chlorobenzene	U	U	U	U	U	U	U	5	100,000
2-Butanone	U	U	U	U	U	U	U	5	200,000
TCLP SVOCs									
Pyridine	U	U	U	U	U	U	U	50	5,000
1,4-Dichlorobenzene	U	U	U	U	U	U	U	50	7,500
2-Methylphenol	U	U	U	U	U	U	U	100	200,000
Hexachloroethane	U	U	U	U	U	U	U	50	3,000
3/4-Methylphenols	34 J	U	U	U	U	U	U	100	200,000
Nitrobenzene	U	U	U	U	U	U	U	50	2,000
Hexachlorobutadiene	U	U	U	U	U	U	U	50	500.0
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	100	400,000
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	100	2,000
2,4-Dinitrotoluene	U	U	U	U	U	U	U	50	130
Hexachlorobenzene	U	U	U	U	U	U	U	50	130
Pentachlorophenol	U	58 J	U	U	U	U	U	100	100,000

QUALIFIERS:
U: Constituent analyzed for but not detected.
J: Compound found at a concentration below the detection limit.

TABLE 1B
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
TCLP METALS

SAMPLE ID	**SAMPLEA**	**SAMPLEB**	1	2	3	4	5	7	**Instrument Detection Limits**	**REGULATORY LEVEL**
SAMPLE DESCRIPTION	Tank water	Leaching Pool Soil	Leaching Pool Water	Concrete Sample No. 1	Asphalt Sample	Composite Soil	Composite Soil	Concrete Sample No. 2		
DATE OF COLLECTION	11/23/99	11/23/99	11/17/99	11/17/99	11/17/99	11/19/99	11/19/99	11/19/99		
DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
UNITS	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
TCLP Metals										
Arsenic	U	U	U	U	U	U	U	U	0.06	5.0
Lead	0.046	2.00	U	U	0.045	0.269	1.37	0.151		5.0
Barium	0.522	0.60	0.387	2.4	2.36	1.39	2.68	0.407		100.0
Cadmium	U	U	U	U	U	U	U	U	0.05	1.0
Mercury	U	U	0.010	U	U	U	U	U	0.005	0.2
Selenium	U	U	U	U	U	U	U	U	0.04	1.0
Silver	U	U	U	U	U	U	U	U	0.05	5.0
Chromium	U	U	U	0.269	U	U	U	U	0.05	5.0

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 1C
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
RCRA HAZARDOUS WASTE CHARACTERISTICS

SAMPLE ID DESCRIPTION DATE OF COLLECTION	**SAMPLEA** Tank water 11/23/99	**SAMPLEB** Leaching Pool Soil 11/23/99	**1** Leaching Pool Water 11/17/99	**2** Concrete Sample No. 1 11/17/99	**3** Asphalt Sample 11/17/99	**4** Composite Soil 11/19/99	**5** Composite Soil 11/19/99	**7** Concrete Sample No. 2 11/19/99	**Contract Required Detection Limits**	**REGULATORY LEVEL**
RCRA Characteristics										
Ignitability	U	U	U	U	U	U	U	U	NA	>140 mg/kg
Corrosivity (PH)	5.39	6.31	6.0	11.94	9.42	8.33	7.15	10.29	NA	≤ 2.0, ≥ 12.5
Sulfide Reactivity (mg/kg)	U	U	U	U	U	U	U	U	40	<0.1 mg/kg
Cyanide Reactivity (mg/kg)	U	U	U	U	U	U	U	U	10	<2.0 mg/kg

QUALIFIERS:
U: Constituent analyzed for but not detected.

NOTES:
NA: Not applicable.

TABLE 2
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
SAMPLES COLLECTED UNDER TANK
STARS VOLATILE AND SEMIVOLATILE ORGANIC COMPOUNDS AND LEAD

SAMPLE ID DESCRIPTION DATE OF COLLECTION	1 South 12/03/99	2 North 12/03/99	Contract Required Detection Limits	NYSDEC Soil/Sediment Action Level
STARS VOCs (ug/kg)				
MTBE	U	U	5	--
Benzene	U	U	5	22,000
n-Butylbenzene	U	U	5	--
sec-Butylbenzene	U	U	5	--
tert-Butylbenzene	U	U	5	--
Isopropylbenzene	U	U	5	3,100,000
p-Isopropyltoluene	U	U	5	--
n-Propylbenzene	U	U	5	--
Ethylbenzene	U	U	5	7,800,000
Napthalene	U	U	5	310,000
Toluene	U	U	5	16,000,000
1,2,4-Trimethylbenzene	U	U	5	--
1,3,5-Trimethylbenzene	U	U	5	--
Xylenes (total)	U	U	15	160,000,000
STARS SVOCs (ug/kg)				
Acenapthene	U	430	40	4,700,000
Fluorene	U	710	40	3,100,000
Phenanthrene	96	8,400	40	--
Anthracene	U	1,500	40	23,000,000
Fluoranthene	260	11,000	40	3,100,000
Pyrene	220	9,500	40	2,300,000
Benzo-(a)-Anthracene	130	5,000	40	900
Chrysene	150	5,200	40	--
Benzo-(b)-fluoranthene	100	5,400	60	--
Benzo-(k)-fluoranthene	110	3,500	100	--
Benzo-(a)-pyrene	100	4,300	40	90
Indeno(1,2,3-c,d)pyrene	82	2,400	40	--
Dibenzo-(a,h)-Anthracene	U	1,400	40	90
Benzo-(g,h,I)-perylene	75	1,900	40	--
TCLP Metals (mg/L)				
Lead	9.79	24.2		5*

QUALIFIERS:
U: Constituent analyzed for but not detected.

NOTES:
▭ : Value exceeds NYSDEC Soil/Sediment Action Level.
* : RCRA Regulatory Limit.
-- : Not established.

TABLE 3
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
TANK DELINEATION SOIL SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS AND LEAD

SAMPLE ID SAMPLE LOCATION	**SE** 6' Southeast of tank	**SE** 6' Southeast of tank	**SW** 6' Southwest of tank	**SW** 6' Southwest of tank	**NE** 6' Northeast of tank	**NE** 6' Northeast of tank	**Contract Required Detection Limits**	**NYSDEC Soil/Sediment Action Level**
DEPTH	(2'-4')	(4'-6')	(2'-4')	(4'-6')	(2'-4')	(4'-6')		
DATE OF COLLECTION	12/9/99	12/9/99	12/9/99	36503	12/9/99	12/9/99		
STARS SVOCs (ug/kg)								
Acenapthene	U	U	U	U	U	U	40	4,700,000
Fluorene	U	U	U	U	U	U	40	3,100,000
Phenanthrene	U	U	U	U	U	U	40	--
Anthracene	U	U	U	U	U	U	40	23,000,000
Fluoranthene	U	U	U	U	U	U	40	3,100,000
Pyrene	U	U	U	U	U	U	40	2,300,000
Benzo-(a)-Anthracene	U	U	U	U	U	U	40	900
Chrysene	U	U	U	U	U	U	40	--
Benzo-(b)-fluoranthene	U	U	U	U	U	U	60	--
Benzo-(k)-fluoranthene	U	U	U	U	U	U	100	--
Benzo-(a)-pyrene	U	U	U	U	U	U	40	90
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	U	40	--
Dibenzo-(a,h)-Anthracene	U	U	U	U	U	U	40	90
Benzo-(g,h,I)-perylene	U	U	U	U	U	U	40	--
Total Metals (mg/kg)								
Lead	U	U	U	U	U	U	0.5	250

QUALIFIERS:
U: Constituent analyzed for but not detected.

NOTES:
-- : Not established

TABLE 3 (continued)
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
TANK DELINEATION SOIL SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS AND LEAD

SAMPLE ID SAMPLE LOCATION	**NW** 6' Northwest of tank	**NW** 6' Northwest of tank	**C** Under center of tank	**C** Under center of tank	**Contract Required Detection Limits**	**NYSDEC Soil/Sediment Action Level**
DEPTH	(2'-4')	(4'-6')	(2'-4')	(4'-6')		
DATE OF COLLECTION	12/9/99	12/9/99	12/9/99	12/9/99		
STARS SVOCs (ug/kg)						
Acenapthene	U	U	U	U	40	4,700,000
Fluorene	U	U	U	U	40	3,100,000
Phenanthrene	U	U	U	U	40	--
Anthracene	U	U	U	U	40	23,000,000
Fluoranthene	U	U	U	U	40	3,100,000
Pyrene	U	U	U	U	40	2,300,000
Benzo-(a)-Anthracene	U	U	U	U	40	900
Chrysene	U	U	U	U	40	--
Benzo-(b)-fluoranthene	U	U	U	U	60	--
Benzo-(k)-fluoranthene	U	U	U	U	100	--
Benzo-(a)-pyrene	U	U	U	U	40	90
Indeno(1,2,3-c,d)pyrene	U	U	U	U	40	--
Dibenzo-(a,h)-Anthracene	U	U	U	U	40	90
Benzo-(g,h,I)-perylene	U	U	U	U	40	--
Total Metals (mg/kg)						
Lead	U	U	11.1	421	0.5	250

QUALIFIERS:
U: Constituent analyzed for but not detected.

NOTES:
-- : Not established

RAW DATA
FOR CHARACTERIZATION ANALYSES AND DISPOSAL FACILITY REQUIREMENTS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SAMPLEA

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5859 Site: LIRR Location: MORRIS PARK Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 094478

Sample wt/vol: 0.5 (g/mL) ML Lab File ID: D8640.D

Level: (low/med) Date Received: 11/24/99

% Moisture: not dec. 0 Date Analyzed: 12/1/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Tank Water

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-01-4	Vinyl Chloride	50	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SAMPLEB

Lab Name: CHEMTECH

Contract: MAUMEE EXPRESS

Project No.: L5859 Site: LIRR Location: MORRIS PARK Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O94479

Sample wt/vol: 0.5 (g/mL) ML

Lab File ID: D8641.D

Level: (low/med) ______

Date Received: 11/24/99

% Moisture: not dec. 0

Date Analyzed: 12/1/99

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: ______ (uL)

Soil Aliquot Volume: ______ (uL)

Leach load Soil in R/O Box

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-01-4	Vinyl Chloride	50	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. 1-E

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5782 Site: LIRR-MOR Location: MORRIS PARK Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: C64127

Sample wt/vol: 0.5 (g/mL) ML Lab File ID: E6985.D

Level: (low/med) Date Received: 11/19/99

% Moisture: not dec. 0 Date Analyzed: 11/23/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Leachate water

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-01-4	Vinyl Chloride	50	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: 2-A

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5782 Site: LIRR-MOR Location: MORRIS PARK Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: O94128

Sample wt/vol: 0.5 (g/mL) ML Lab File ID: E6986.D

Level: (low/med) Date Received: 11/19/99

% Moisture: not dec. 0 Date Analyzed: 11/23/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concrete

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-01-4	Vinyl Chloride	50	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

#3-A

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5782 Site: LIRR-MOR Location: MORRIS PARK Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 094130

Sample wt/vol: 0.5 (g/mL) ML Lab File ID: E6987.D

Level: (low/med) Date Received: 11/19/99

% Moisture: not dep. 0 Date Analyzed: 11/23/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-01-4	Vinyl Chloride	50	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. #4

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5785 Site: LIRR Location: N/A Group: 5970-VOA

Matrix: (soil/water) WATER Lab Sample ID: 094144

Sample wt/vol: 0.5 (g/mL) ML Lab File ID: E6986.D

Level: (low/med) Date Received: 11/19/99 Soil

% Moisture: not dec. 0 Date Analyzed: 11/23/99

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-01-4	Vinyl Chloride	50	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone	50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: #7

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS Group: 5970-VOA

Project No.: L5785 Site: LIRR Location: N/A Lab Sample ID: OB4147

Matrix: (soil/water) WATER Lab File ID: E6989.D 2nd Concrete

Sample wt/vol: 0.5 (g/mL) ML Date Received: 11/19/99

Level: (low/med) Date Analyzed: 11/23/99

% Moisture: not dec. 0 Dilution Factor: 1.0

GC Column: DB624 ID: 0.53 (mm) Soil Aliquot Volume: (uL)

Soil Extract Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-01-4	Vinyl Chloride	50	U
75-35-4	1,1-Dichloroethene	50	U
67-66-3	Chloroform	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
127-18-4	Tetrachloroethene	50	U
108-90-7	Chlorobenzene	50	U
78-93-3	2-Butanone		

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SAMPLE A

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L6859 Site: LIRR Location: MORRIS PARK Group: _____

Matrix: (soil/water) WATER Lab Sample ID: 094478

Sample wt/vol: 100.0 (g/mL ML Lab File ID: B0496.D

Level: (low/med) _____ Date Received: 11/24/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 11/30/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/1/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Tank Water

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
110-86-1	Pyridine	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	50	U
	3/4-Methylphenols	34	J
98-95-3	Nitrobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	100	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SAMPLE B

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5859 Site: LIRR Location: MORRIS PARK Group: _____

Matrix: (soil/water) WATER Lab Sample ID: 094479

Sample wt/vol: 100.0 (g/mL ML Lab File ID: B0487.D

Level: (low/med) _____ Date Received: 11/24/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 11/30/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/1/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Leach Pool Soil in R/O Box

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
110-86-1	Pyridine	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	50	U
	3/4-Methylphenols	100	U
98-95-3	Nitrobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	58	J

200,000

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. 1-A

Lab Name: CHEMTECH EDISON Contract: MAUMEE EXPRESS

Project No.: L5782 Site: LIRR-MORR Location: MORRIS PARK Group: _____

Matrix (soil/water) WATER

Sample wt/vol: 100.0 (g/mL ML

Level: (low/med) _____

% Moisture: 100 decanted: (Y/N): N

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1.0 (uL)

GPC Cleanup: (Y/N) N pH: _____

Lab Sample ID: 094123 Leach Pool Water

Lab File ID: J112408.D

Date Received: 11/19/99

Date Extracted: 11/23/99

Date Analyzed: 11/24/99

Dilution Factor: 1.0

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
110-86-1	Pyridine	500	U
106-46-7	1,4-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	50	U
	3/4-Methylphenols	100	U
98-95-3	Nitrobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	100	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2-B

Lab Name: CHEMTECH EDISON Contract: MAUMEE EXPRESS

Project No.: L5782 Site: LIRR-MORR Location: MORRIS PARK Group: _____

Matrix: (soil/water) WATER Lab Sample ID: 094129

Sample wt/vol: 100.0 (g/mL ML Lab File ID: J112407.D

Level: (low/med) _____ Date Received: 11/19/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 11/23/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Conc rare

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
110-86-1	Pyridine	600	U
106-46-7	1,4-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	50	U
	3/4-Methylphenols	100	U
98-95-3	Nitrobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	100	U

1B

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

83-A

Lab Name: CHEMTECH EDISON Contract: MAUMEE EXPRESS

Project No.: L5782C Site: LIRR-MORRLocation: MORRIS PARK Group: _____

Matrix: (soil/water) WATER Lab Sample ID: 094131

Sample wt/vol: 100.0 (g/mL ML Lab File ID: J112410.D

Asphalt

Level: (low/med) _____ Date Received: 11/19/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 11/23/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
110-86-1	Pyridine	500	U
106-46-7	1,4-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	50	U
	3/4-Methylphenols	100	U
98-95-3	Nitrobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	100	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

#4

Lab Name: CHEMTECH EDISON Contract: MAUMEE EXPRESS

Project No.: L5785 Site: LIRR-MORR Location: MORRIS PARK Group: _____

Matrix: (soil/water) WATER Lab Sample ID: 094144

Sample wt/vol: 100.0 (g/mL ML Lab File ID: J112406.D

Level: (low/med) _____ Date Received: 11/19/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 11/23/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Soil

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
110-86-1	Pyridine	500	U
106-46-7	1,4-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	60	U
	3/4-Methylphenols	100	U
98-95-3	Nitrobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	100	U

18

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: #7

Lab Name: CHEMTECH EDISON Contract: MAUMEE EXPRESS

Project No.: L5785 Site: LIRR-MORR Location: MORRIS PARK Group: _____

Matrix: (soil/water) WATER Lab Sample ID: 094147

Sample wt/vol: 100.0 (g/mL ML Lab File ID: J112405.D

Level: (low/med) _____ Date Received: 11/19/99

% Moisture: 100 decanted: (Y/N): N Date Extracted: 11/23/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/24/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

2nd Concrete

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
110-86-1	Pyridine	500	U
106-46-7	1,4-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	50	U
	3/4-Methylphenols	100	U
98-95-3	Nitrobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
95-95-4	2,4,5-Trichlorophenol	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
121-14-2	2,4-Dinitrotoluene	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	100	U

Tank Water

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

L5859

SAMPLE NUMBER- 94478
DATE SAMPLED- 11/23/99
DATE RECEIVED- 11/24/99
DELIVERED BY- CLIENT

SAMPLE ID- SAMPLEA
TIME SAMPLED- 1600 SAMPLER- CLIENT
TIME RECEIVED- 1346
RECEIVED BY- SP SAMPLE MATRIX- WW

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/30/99		KL	<0.060	mg/L
TCLP LEAD	1311	11/30/99		KL	0.046	mg/L
TCLP BARIUM	1311	11/30/99		KL	0.522	mg/L
TCLP CADMIUM	1311	11/30/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/30/99		KL	<0.0050	mg/L
TCLP SELENIUM	1311	11/30/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/30/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/30/99		KL	<0.050	mg/L

Leach Pool
Soil in R/O Box

REPORT OF ANALYSES

MAUNEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

L5859

SAMPLE NUMBER- 94479
DATE SAMPLED- 11/23/99
DATE RECEIVED- 11/24/99
DELIVERED BY- CLIENT

SAMPLE ID- SAMPLEBA
TIME SAMPLED- 1600 SAMPLER- CLIENT
TIME RECEIVED- 1346
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/30/99		KL	<0.060	mg/L
TCLP LEAD	1311	11/30/99		KL	2.00	mg/L
TCLP BARIUM	1311	11/30/99		KL	0.60	mg/L
TCLP CADMIUM	1311	11/30/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/30/99		KL	<0.0050	mg/L
TCLP SELENIUM	1311	11/30/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/30/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/30/99		KL	<0.050	mg/L

CHEMTECH LABORATORY REPORT

Leach Aud Water

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

L5782

SAMPLE NUMBER- 94126
DATE SAMPLED- 11/17/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- 1-D
TIME SAMPLED- 1030 SAMPLER- CLIENT
TIME RECEIVED- 1015
RECEIVED BY- SP SAMPLE MATRIX- WW

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/24/99		KL	<0.060	mg/L
TCLP LEAD	1311	11/24/99		KL	<0.040	mg/L
TCLP BARIUM	1311	11/24/99		KL	0.387	mg/L
TCLP CADMIUM	1311	11/24/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/24/99		KL	0.010	mg/L
TCLP SELENIUM	1311	11/24/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/24/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/24/99		KL	<0.050	mg/L

CHEMTECH

LABORATORY REPORT

Concrete

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

L5782

SAMPLE NUMBER- 94129
DATE SAMPLED- 11/17/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- 2-B
TIME SAMPLED- 1030 SAMPLER- CLIENT
TIME RECEIVED- 1015
RECEIVED BY- SP SAMPLE MATRIX- WW

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/24/99		KL	<0.050	mg/L
TCLP LEAD	1311	11/24/99		KL	<0.040	mg/L
TCLP BARIUM	1311	11/24/99		KL	2.40	mg/L
TCLP CADMIUM	1311	11/24/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/24/99		KL	<0.0050	mg/L
TCLP SELENIUM	1311	11/24/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/24/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/24/99		KL	0.269	mg/L

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6888 Fax: 201.567.1333

☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

CHEMTECH
NYSDOH Certification No. 10624

ANALAB-ICM Division
NYSDOH Certification No. 11376

CHEMTECH

LABORATORY REPORT

Asphalt

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

LS782

SAMPLE NUMBER- 94131
DATE SAMPLED- 11/17/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- 3-B
TIME SAMPLED- 1030 SAMPLER- CLIENT
TIME RECEIVED- 1015
RECEIVED BY- SP SAMPLE MATRIX- WW

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/24/99		KL	<0.060	mg/L
TCLP LEAD	1311	11/24/99		KL	0.045	mg/L
TCLP BARIUM	1311	11/24/99		KL	2.36	mg/L
TCLP CADMIUM	1311	11/24/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/24/99		KL	<0.0050	mg/L
TCLP SELENIUM	1311	11/24/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/24/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/24/99		KL	<0.050	mg/L

CHEMTECH

LABORATORY REPORT

Soil

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

L5785

SAMPLE NUMBER- 94144
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- #4
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/24/99		KL	<0.060	mg/L
TCLP LEAD	1311	11/24/99		KL	0.269	mg/L
TCLP BARIUM	1311	11/24/99		KL	1.39	mg/L
TCLP CADMIUM	1311	11/24/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/24/99		KL	<0.0050	mg/L
TCLP SELENIUM	1311	11/24/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/24/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/24/99		KL	<0.050	mg/L

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333

CHEMTECH
NYSDOH Certification No. 10624

☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4111

ANALAB-ICM Division
NYSDOH Certification No. 11378

CHEMTECH

LABORATORY REPORT

Soil

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

L5765

SAMPLE NUMBER- 94145
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- #5
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/24/99		KL	<0.060	mg/L
TCLP LEAD	1311	11/24/99		KL	1.37	mg/L
TCLP BARIUM	1311	11/24/99		KL	2.68	mg/L
TCLP CADMIUM	1311	11/24/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/24/99		KL	<0.0050	mg/L
TCLP SELENIUM	1311	11/24/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/24/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/24/99		KL	<0.050	mg/L

CHEMTECH

LABORATORY REPORT

2nd Concrete

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

L5785

SAMPLE NUMBER- 94147
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- #7
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TCLP ARSENIC	1311	11/24/99		KL	<0.060	mg/L
TCLP LEAD	1311	11/24/99		KL	0.151	mg/L
TCLP BARIUM	1311	11/24/99		KL	0.407	mg/L
TCLP CADMIUM	1311	11/24/99		KL	<0.050	mg/L
TCLP MERCURY	1311	11/24/99		KL	<0.0050	mg/L
TCLP SELENIUM	1311	11/24/99		KL	<0.040	mg/L
TCLP SILVER	1311	11/24/99		KL	<0.050	mg/L
TCLP CHROMIUM	1311	11/24/99		KL	<0.050	mg/L

Tank Water

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

PROJECT # L5859C

SAMPLE NUMBER- 94478
DATE SAMPLED- 11/23/99
DATE RECEIVED- 11/24/99
DELIVERED BY- CLIENT

SAMPLE ID- SAMPLE4
TIME SAMPLED- 1600 SAMPLER- CLIENT
TIME RECEIVED- 1346
RECEIVED BY- SF SAMPLE MATRIX- WW

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/30/99		ST	U	
CORROSIVITY	Y9045	11/24/99		HMS	5.39	
SULFIDE-REACTIVITY	SW846	11/30/99		ST	<40.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/30/99		ST	<10.0	mg/kg

LABORATORY DIRECTOR _____

Leach Pool
Soil in RO Box

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

PROJECT # L58590

SAMPLE NUMBER- 94479
DATE SAMPLED- 11/23/99
DATE RECEIVED- 11/24/99
DELIVERED BY- CLIENT

SAMPLE ID- SAMPLE8A
TIME SAMPLED- 1600 SAMPLER- CLIENT
TIME RECEIVED- 1346
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/30/99		ST	U	
CORROSIVITY	Y9045	11/26/99		HMS	6.31	
SULFIDE-REACTIVITY	SW846	11/30/99		ST	<40.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/30/99		ST	<10.0	mg/kg

LABORATORY DIRECTOR _____

Leach Pool Water

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

PROJECT # L5782C

SAMPLE NUMBER- 94124 SAMPLE ID- 1-B
DATE SAMPLED- 11/17/99 TIME SAMPLED- 1030 SAMPLER- CLIENT
DATE RECEIVED- 11/19/99 TIME RECEIVED- 1015
DELIVERED BY- CLIENT RECEIVED BY- SP SAMPLE MATRIX- WW

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
SULFIDE-REACTIVITY	SW846	11/20/99		ST	<10.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/20/99		ST	< 10.0	mg/kg

LABORATORY DIRECTOR _____

Leach Post Water

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/26/99

PROJECT # L5782C

SAMPLE NUMBER- 94125 SAMPLE ID- 1-C
DATE SAMPLED- 11/17/99 TIME SAMPLED- 1030 SAMPLER- CLIENT
DATE RECEIVED- 11/19/99 TIME RECEIVED- 1015
DELIVERED BY- CLIENT RECEIVED BY- SP SAMPLE MATRIX- WW

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/20/99		ST	U	
CORROSIVITY	Y9045	11/19/99		HMS	6.88	pH UNIT

LABORATORY DIRECTOR _____

Concrete

REPORT OF ANALYSES

MAIMKE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

PROJECT # L5782C

SAMPLE NUMBER- 94129
DATE SAMPLED- 11/17/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- 2-B
TIME SAMPLED- 1030 SAMPLER- CLIENT
TIME RECEIVED- 1015
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/20/99		ST	< U	
CORROSIVITY	Y9045	11/22/99		HMS	11.84	PH UNIT
SULFIDE-REACTIVITY	SW846	11/20/99		ST	< 40.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/20/99		ST	< 10.0	mg/Kg
SOLIDS, PERCENT.	EPA 160.3	11/22/99		JAA	94.1	%

LABORATORY DIRECTOR _____

Asphalt

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

PROJECT # L5782C

SAMPLE NUMBER- 94131 SAMPLE ID- #3-B
DATE SAMPLED- 11/18/99 TIME SAMPLED- 1600 SAMPLER- CLIENT
DATE RECEIVED- 11/19/99 TIME RECEIVED- 1015
DELIVERED BY- CLIENT RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/20/99		ST	< U	
CORROSIVITY	Y9045	11/22/99		EMS	9.42	PH UNIT
SULFIDE-REACTIVITY	SW846	11/20/99		ST	< 40.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/20/99		ST	< 10.0	mg/Kg
SOLIDS, PERCENT	EPA 160.3	11/22/99		JAA	98.7	%

LABORATORY DIRECTOR _____

CHEMTECH

LABORATORY REPORT

Soil

REPORT OF ANALYSIS

MALMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/29/99

PROJECT # L5785C

SAMPLE NUMBER- 94144
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- #4
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/20/99		ST	U	
CORROSIVITY	Y9045	11/22/99		HMS	8.33	
SULFIDE-REACTIVITY	SW846	11/20/99		ST	<40.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/20/99		ST	<10.0	mg/Kg
SOLIDS, PERCENT	EPA 160.3	11/22/99		JAA	87.0	%

LABORATORY DIRECTOR _____

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333

☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

CHEMTECH
NYSDOH Certification No. 10624
NJDEP Certification No. 02548

ANALAB-ICM Division
NYSDOH Certification No. 11376
NJDEP Certification No. 12531

Soil

REPORT OF ANALYSES

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/24/99

PROJECT # L5785C

SAMPLE NUMBER- 94145
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- #5
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

PRELIMINARY RESULTS

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/20/99		ST	< U	
SULFIDE-REACTIVITY	SW846	11/20/99		ST	< 40.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/20/99		ST	< 10.0	mg/Kg
SOLIDS, PERCENT	EPA 160.3	11/22/99		JAA	83.0	%

LABORATORY DIRECTOR _____

corrosivity

CHEMTECH

LABORATORY REPORT

2nd Concrete

REPORT OF ANALYSIS

NAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/29/99

PROJECT # L5765C

SAMPLE NUMBER- 94147
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- #7
TIME SAMPLED- 1500 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
IGNITIBILITY	1010	11/20/99		ST	U	
CORROSIVITY	Y9045	11/22/99		RMS	10.29	
SULFIDE-REACTIVITY	SW846	11/20/99		ST	<40.0	mg/kg
CYANIDE-REACTIVITY	SW846	11/20/99		ST	<10.0	mg/Kg
SOLIDS, PERCENT	EPA 160.3	11/22/99		JAA	93.2	%

LABORATORY DIRECTOR _____

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333

CHEMTECH
NYSDOH Certification No. 10624
NJDEP Certification No. 02548

☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

ANALAB-ICM Division
NYSDOH Certification No. 11378
NJDEP Certification No. 12531

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102891
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR (#1 South)
Date received: 12/06/99	Laboratory ID: 9916594
Date extracted: NA	Matrix: Soil
Date analyzed: 12/06/99	Contractor: 11418

EPA METHOD 8021 (STARS)

PARAMETER	CAS No.	RESULTS ug/kg
MTBE	1634-04-4	<5
BENZENE	71-43-2	<5
n-BUTYLBENZENE	104-51-8	<5
sec-BUTYLBENZENE	135-98-8	<5
tert-BUTYLBENZENE	98-06-8	<5
ISOPROPYLBENZENE	98-82-8	<5
p-ISOPROPYLTOLUENE	99-87-6	<5
n-PROPYLBENZENE	103-65-1	<5
ETHYLBENZENE	100-41-4	<5
NAPHTHALENE	91-20-3	<5
TOLUENE	108-88-3	<5
1,2,4-TRIMETHYLBENZENE	95-63-6	<5
1,3,5-TRIMETHYLBENZENE	108-67-8	<5
XYLENES (TOTAL)	1330-20-7	<15

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
AIHA ELAP, PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR (#1 South)
Date received:12/06/99	Laboratory ID:9916594
Date extracted:12/06/99	Matrix: Soil
Date analyzed:12/07/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	96
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	260
PYRENE	129-00-0	220
BENZO-(a)-ANTHRACENE	56-55-3	130
CHRYSENE	218-01-9	150
BENZO-(b)-FLUORANTHENE	205-99-2	100
BENZO-(k) FLUORANTHENE	207-08-9	110
BENZO-(a)-PYRENE	50-32-8	100
INDENO(1,2,3-c,d)PYRENE	193-39-5	82
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	75

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418 ELAP
AIHA 102391 PAT, LPAT
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR (# 2 North)
Date received: 12/06/99	Laboratory ID: 9916595
Date extracted: NA	Matrix: Soil
Date analyzed: 12/06/99	Contractor: 11418

EPA METHOD 8021 (STARS)

PARAMETER	CAS No.	RESULTS ug/kg
MTBE	1634-04-4	<5
BENZENE	71-43-2	<5
n-BUTYLBENZENE	104-51-8	<5
sec-BUTYLBENZENE	135-98-8	<5
tert-BUTYLBENZENE	98-06-8	<5
ISOPROPYLBENZENE	98-82-8	<5
p-ISOPROPYLTOLUENE	99-87-6	<5
n-PROPYLBENZENE	103-65-1	<5
ETHYLBENZENE	100-41-4	<5
NAPHTHALENE	91-20-3	<5
TOLUENE	108-88-3	<5
1,2,4-TRIMETHYLBENZENE	95-63-6	<5
1,3,5-TRIMETHYLBENZENE	108-67-8	<5
XYLENES (TOTAL)	1330-20-7	<15

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR (# 2 North)
Date received:12/06/99	Laboratory ID:9916595
Date extracted:12/06/99	Matrix: Soil
Date analyzed:12/07/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	430
FLUORENE	86-73-7	710
PHENANTHRENE	85-01-8	8,400
ANTHRACENE	120-12-7	1,500
FLUORANTHENE	206-44-0	11,000
PYRENE	129-00-0	9,500
BENZO-(a)-ANTHRACENE	56-55-3	5,000
CHRYSENE	218-01-9	5,200
BENZO-(b)-FLUORANTHENE	205-99-2	5,400
BENZO-(k) FLUORANTHENE	207-08-9	3,500
BENZO-(a)-PYRENE	50-32-8	4,300
INDENO(1,2,3-c,d)PYRENE	193-39-5	2,400
DIBENZO-(a,h)-ANTHRACENE	53-70-3	1,400
BENZO-(g,h,i)-PERYLENE	191-24-2	1,900

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT. LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR (See Below)
Date received: 12/06/99	Laboratory ID: See Below
Date extracted: 12/07/99	Matrix: Soil
Date analyzed: 12/07/99	Contractor: 11418

TCLP Pb ANALYSIS

Lab ID	Client ID	Regulatory Limit	Results mg/L
9916594	#1 South	5.00 PPM	9.79
9916595	#2 North	5.00 PPM	24.2

Method: SW846, 1311 extraction TCLP, 6010 analysis.

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(SE 2'-4')
Date received:12/09/99	Laboratory ID:9916824
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<60
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Lori Beyer
Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(SE 2'-4')
Date received: 12/09/99	Laboratory ID: 9916824
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	<0.5

Method: SW846, 6010 analysis

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(SE 4'-8')
Date received: 12/09/99	Laboratory ID:9916825
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<60
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Lori Beyer
Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102381
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(SE 4'-6')
Date received: 12/09/99	Laboratory ID: 9916825
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	<0.5

Method: SW846, 6010 analysis

Lori Beyer
Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(SW 2'-4')
Date received: 12/09/99	Laboratory ID:9916828
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<60
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,i)-PERYLENE	191-24-2	<40

Lori Beyer
Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(SW 2'-4')
Date received: 12/09/99	Laboratory ID: 9916826
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	<0.5

Method: SW846, 6010 analysis

Lori Beyer
Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NE 2'-4')
Date received: 12/09/99	Laboratory ID:9916830
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<60
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NE 2'-4')
Date received: 12/09/99	Laboratory ID: 9916830
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	<0.5

Method: SW846, 6010 analysis

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NE 4'-6')
Date received: 12/09/99	Laboratory ID:9916831
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<60
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NE 4'-6")
Date received: 12/09/99	Laboratory ID: 9916831
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	<0.5

Method: SW846, 6010 analysis

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NW 2'-4')
Date received: 12/09/99	Laboratory ID:9916828
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<80
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0206

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NW 2'-4')
Date received: 12/09/99	Laboratory ID: 9916828
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	<0.5

Method: SW846, 6010 analysis

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NW 4'-6')
Date received: 12/09/99	Laboratory ID:9916829
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<80
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(NW 4'-6')
Date received: 12/09/99	Laboratory ID: 9916829
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	<0.5

Method: SW846, 6010 analysis

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(C 2'-4')
Date received: 12/09/99	Laboratory ID:9916832
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<60
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(C 2'-4')
Date received: 12/09/99	Laboratory ID: 9916832
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	11.1

Method: SW846, 6010 analysis

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(C 4'-6')
Date received: 12/09/99	Laboratory ID:9916833
Date extracted:12/09/99	Matrix: Soil
Date analyzed:12/09/99	Contractor: 11418

EPA METHOD 8270 (STARS)

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
FLUORENE	86-73-7	<40
PHENANTHRENE	85-01-8	<40
ANTHRACENE	120-12-7	<40
FLUORANTHENE	206-44-0	<40
PYRENE	129-00-0	<40
BENZO-(a)-ANTHRACENE	56-55-3	<40
CHRYSENE	218-01-9	<40
BENZO-(b)-FLUORANTHENE	205-99-2	<60
BENZO-(k) FLUORANTHENE	207-08-9	<100
BENZO-(a)-PYRENE	50-32-8	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
DIBENZO-(a,h)-ANTHRACENE	53-70-3	<40
BENZO-(g,h,I)-PERYLENE	191-24-2	<40

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

Client: Brookside Environmental	Client ID: LIRR Morris Facility .....(C 4'-6')
Date received: 12/09/99	Laboratory ID: 9916833
Date extracted: 12/10/99	Matrix: Soil
Date analyzed: 12/10/99	Contractor: 11418

METALS ANALYSIS

Parameter	REPORTING LIMIT mg/kg	RESULT mg/kg
LEAD, Pb	0.5 mg/kg	421

Method: SW846, 6010 analysis

Laboratory Director

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(516) 454-6100 • FAX: (516) 454-8027

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. #5

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5785 Site: LIRR Location: N/A Group: 5970-VOA

Matrix (soil/water) SOIL Lab Sample ID: 094145

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D8522.D

Level: (low/med) LOW Date Received: 11/19/99

% Moisture: not dec. 17 Date Analyzed: 11/24/99 Soil

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg Q Total VOCs

CAS No.	Compound		
75-71-8	Dichlorodifluoromethane	6	U
74-87-3	Chloromethane	6	U
75-01-4	Vinyl Chloride	6	U
74-83-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	6	U
75-15-0	Carbon Disulfide	6	U
75-09-2	Methylene Chloride	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
108-0504	Vinyl Acetate	30	U
75-34-3	1,1-Dichloroethane	6	U
78-93-3	2-Butanone	6	U
549-20-7	2,2-Dichloropropane	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
74-97-5	Bromochloromethane	6	U
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
563-58-6	1,1-Dichloropropene	6	U
56-23-5	Carbon Tetrachloride	6	U
71-43-2	Benzene	6	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
74-95-3	Dibromomethane	6	U
75-27-4	Bromodichloromethane	6	U
108-10-1	4-Methyl-2-Pentanone	6	U
108-88-3	Toluene	6	U
10061-02-6	t-1,3-Dichloropropene	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-00-5	1,1,2-Trichloroethane	6	U
142-28-9	1,3-Dichloropropane	6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. #5

Lab Name: CHEMTECH Contract: MAUMEE EXPRESS

Project No.: L5785 Site: LIRR Location: N/A Group: 5870-VOA

Matrix: (soil/water) SOIL Lab Sample ID: 094145

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D8522.D

Level: (low/med) LOW Date Received: 11/18/99

% Moisture: not dec. 17 Date Analyzed: 11/24/99 Soil

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units: (ug/L or ug/Kg) ug/Kg Q TOTAL VOCs

CAS No.	Compound		Q
110-75-8	2-Chloroethyl vinyl ether	6	U
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	6	U
106-93-4	1,2-Dibromoethane	6	U
127-18-4	Tetrachloroethene	28	
108-90-7	Chlorobenzene	6	U
630-20-6	1,1,1,2-Tetrachloroethane	6	U
100-41-4	Ethyl Benzene	6	U
1330-20-7	m/p-Xylenes	6	U
95-47-6	o-Xylene	6	U
100-42-5	Styrene	6	U
75-25-2	Bromoform	6	U
98-82-8	Isopropylbenzene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
96-18-4	1,2,3-Trichloropropane	6	U
108-86-1	Bromobenzene	6	U
103-65-1	n-propylbenzene	6	U
95-49-8	2-Chlorotoluene	6	U
108-67-8	1,3,5-Trimethylbenzene	6	U
106-43-4	4-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	p-Isopropyltoluene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
1045-10-8	n-Butylbenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U
96-12-8	1,2-Dibromo-3-Chloropropane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
87-68-3	Hexachlorobutadiene	6	U
91-20-3	Naphthalene	6	U
87-61-6	1,2,3-Trichlorobenzene	6	U

CHEMTECH

LABORATORY REPORT

Soil

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 11/29/99

PROJECT # L5785C

SAMPLE NUMBER- 94146 SAMPLE ID- #6
DATE SAMPLED- 11/19/99 TIME SAMPLED- 1445 SAMPLER- CLIENT
DATE RECEIVED- 11/19/99 TIME RECEIVED- 1725
DELIVERED BY- CLIENT RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	11/29/99		JAA	119	mg/kg
SOLIDS, PERCENT	EPA 160.3	11/22/99		JAA	86.5	%

LABORATORY DIRECTOR _____

☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333

CHEMTECH
NYSDOH Certification No. 10624
NJDEP Certification No. 02548

☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

ANALAB-ICM Division
NYSDOH Certification No. 11376
NJDEP Certification No. 12531

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

PROJECT # L5785C

SAMPLE NUMBER- 94583
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- 06A
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1726
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	11/30/99		JAA	368	mg/kg

LABORATORY DIRECTOR

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

PROJECT # L5785C

SAMPLE NUMBER- 94584
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- 06B
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	11/30/99		JAA	309	mg/kg

LABORATORY DIRECTOR

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

PROJECT # L5785C

SAMPLE NUMBER- 94585 SAMPLE ID- 06C
DATE SAMPLED- 11/19/99 TIME SAMPLED- 1445 SAMPLER- CLIENT
DATE RECEIVED- 11/19/99 TIME RECEIVED- 1725
DELIVERED BY- CLIENT RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	11/30/99		JAA	604	mg/kg

LABORATORY DIRECTOR

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

PROJECT # L5785C

SAMPLE NUMBER- 94586
DATE SAMPLED- 11/19/99
DATE RECEIVED- 11/19/99
DELIVERED BY- CLIENT

SAMPLE ID- 06D
TIME SAMPLED- 1445 SAMPLER- CLIENT
TIME RECEIVED- 1725
RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	11/30/99		JAA	265	mg/kg

LABORATORY DIRECTOR

REPORT OF ANALYSIS

MAUMEE EXPRESS INC.
50 HOWARD STREET
PISCATAWAY, NJ 08854-
Attn: JOE ANGELONE

DATE: 12/01/99

PROJECT # L5705C

SAMPLE NUMBER- 94587 SAMPLE ID- 06E
DATE SAMPLED- 11/19/99 TIME SAMPLED- 1445 SAMPLER- CLIENT
DATE RECEIVED- 11/19/99 TIME RECEIVED- 1725
DELIVERED BY- CLIENT RECEIVED BY- SP SAMPLE MATRIX- SO

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
TOTAL PETROLEUM HYDROCARBONS	418.1	11/30/99		JAA	130	mg/kg

LABORATORY DIRECTOR _____

Appendix B

APPENDIX B

FORMER PAINT STRIPPING OPERATION AREA – WASTE CHARACTERIZATION RESULTS

SUMMARY TABLES
FOR
CHARACTERIZATION ANALYSES

TABLE 1
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STIPPING OPERATION AREA
WASTE WASH WATER CHARATERIZATION SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID DESCRIPTION DATE OF COLLECTION UNITS	**Floor Wash Water** Floor Wash Water 3/13/00 ug/l	**Contract Required Detection Limits** **ug/l**	**Groundwater "Contained In" Action Level** **ug/l**
Benzene	U	1	0.7
Bromobenzene	U	1	5
Bromochloromethane	U	1	5
Bromodichloromethane	U	1	50
Bromoform	U	1	50
Bromomethane	U	1	5
n-Butylbenzene	U	1	5
sec-Butylbenzene	U	1	5
tert-Butylbenzene	U	1	5
Carbon Tetrachloride	U	1	5
Chlorobenzene	U	1	5
Chlorodibromomethane	U	1	50
Chloroethane	U	1	5
Chloroform	12	1	7
Chloromethane	U	1	5
2-Chlorotoluene	U	1	5
4-Chlorotoluene	U	1	5
1,2-Dibromo-3-chloropropane	U	1	0.2
1,2-Dibromoethane	U	1	5
Dibromomethane	U	1	5
1,2-Dichlorobenzene	U	1	4.7
1,3-Dichlorobenzene	U	1	5
1,4-Dichlorobenzene	U	1	4.7
Dichlorodifluoromethane	U	1	5
1,1-Dichloroethane	U	1	5
1,2-Dichloroethane	U	1	5
1,1-Dichloroethene	U	1	5
cis-1,2-Dichloroethene	U	1	5
trans-1,2-Dichloroethene	U	1	5

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 1 (continued)
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STIPPING OPERATION AREA
WASTE WASH WATER CHARATERIZATION SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID DESCRIPTION DATE OF COLLECTION UNITS	**Floor Wash Water** Floor Wash Water 12/03/99 ug/l	**Contract Required Detection Limits** ug/l	**Groundwater "Contained In" Action Level** **ug/l**
1,2-Dichloropropane	U	1	5
1,3-Dichloropropane	U	1	5
2,2-Dichloropropane	U	1	5
1,1-Dichloropropene	U	1	5
Ethylbenzene	U	1	5
Hexachlorobutadiene	U	1	5
Isopropylbenzene	U	1	5
p-Isopropyltoluene	U	1	5
Methylene Chloride	U	1	5
Naphthalene	U	1	10
n-Propylbenzene	U	1	5
Styrene	U	1	5
1,1,1,2-Tetrachloroethane	U	1	5
1,1,2,2-Tetrachloroethane	U	1	5
Tetrachloroethene	U	1	5
Toluene	4	1	5
1,2,3-Trichlorobenzene	U	1	5
1,2,4-Trichlorobenzene	U	1	5
1,1,1-Trichloroethane	U	1	5
1,1,2-Trichloroethane	U	1	5
Trichloroethene	U	1	5
Trichlorofluoromethene	U	1	5
1,2,3-Trichloropropane	U	1	5
1,3,5-Trimethylbenzene	U	1	5
1,2,4-Trimethylbenzene	U	1	5
Vinyl Chloride	U	1	2
Acetone	U	1	50
Carbon Disulfide	U	1	5
2-Butanone	U	1	50
Vinyl Acetate	U	1	50
4-Methyl-2-pentanone	U	1	50
2-Hexanone	U	1	50
Xylenes (total)	U	3	5

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 2
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STIPPING OPERATION AREA
UNDERGROUND STORAGE TANK
STANDING STORMWATER SAMPLING RESULTS
METHYLENE CHLORIDE AND TOLUENE

SAMPLE ID DESCRIPTION DATE OF COLLECTION UNITS	Storm Water (South) Standing Storm Water 2/25/00 ug/l	Storm Water (North) Standing Storm Water 2/25/00 ug/l	**Contract Required Detection Limits** ug/l	**Groundwater "Contained In" Action Level** ug/l
Methylene chloride	U	U	1	5
Toluene	U	U	1	5

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 3
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STRIPPING OPERATION AREA
ACID RINSE SAMPLES COLLECTED FROM UNDERGROUND STORAGE TANK
METHYLENE CHLORIDE AND TOLUENE

SAMPLE ID DESCRIPTION DATE OF COLLECTION UNITS	**Acid Rinse** Acid Rinse 3/6/00 ug/l	**Contract Required Detection Limits** ug/l	**Groundwater "Contained In" Action Level** ug/l
Methylene chloride	43	1	5
Toluene	8	1	5

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 4
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STRIPPING OPERATION AREA
DETERGENT RINSE SAMPLES COLLECTED FROM UNDERGROUND STORAGE TANK
METHYLENE CHLORIDE AND TOLUENE

SAMPLE ID SAMPLE DESCRIPTION DATE OF COLLECTION UNITS	**Detergent Rinse** Detergent Rinse 3/6/00 ug/l	**Contract Required Detection Limit** ug/l	**Groundwater "Contained In" Action Level** ug/l
Methylene chloride	13	1	5
Toluene	4	1	5

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 5
LONG ISLAND RAILROAD
MORRIS PARK REPAIR FACILITY
FORMER PAINT STRIPPING OPERATION AREA
STEAM RINSE SAMPLES COLLECTED FROM UNDERGROUND STORAGE TANK
METHYLENE CHLORIDE AND TOLUENE

SAMPLE ID DESCRIPTION DATE OF COLLECTION UNITS	**Steam Rinse** Steam Rinse 3/6/00 ug/l	**Contract Required Detection Limits** ug/l	**Groundwater "Contained In" Action Level** ug/l
Methylene chloride	14	1	5
Toluene	5	1	5

QUALIFIERS:
U: Constituent analyzed for but not detected.

RAW DATA
FOR CHARACTERIZATION ANALYSES AND DISPOSAL FACILITY REQUIREMENTS

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

March 15, 2000

Richard Taylor
Brookside Environmental
2108 Grand Avenue
Baldwin, NY 11510

Re: LIRR Morris Park Yard

Dear Mr. Taylor;

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on March 13, 2000. American Analytical Laboratories analyzed the samples through March 14, 2000 for the following;

CLIENT ID	ANALYSIS
Floor Wash Water	EPA 8260

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard .....(Floor Wash Water)
Date received: 03/13/00	Laboratory ID: 0011176
Date extracted: NA	Matrix: Liquid
Date analyzed: 03/14/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
BENZENE	71-43-2	<1
BROMOBENZENE	108-86-1	<1
BROMOCHLOROMETHANE	74-97-5	<1
BROMODICHLOROMETHANE	75-27-4	<1
BROMOFORM	75-25-2	<1
BROMOMETHANE	74-83-9	<1
n-BUTYLBENZENE	104-51-8	<1
sec-BUTYLBENZENE	135-98-8	<1
tert-BUTYLBENZENE	98-06-6	<1
CARBON TETRACHLORIDE	56-23-5	<1
CHLOROBENZENE	108-90-7	<1
CHLORODIBROMOMETHANE	124-48-1	<1
CHLOROETHANE	75-00-3	<1
CHLOROFORM	67-66-3	12
CHLOROMETHANE	74-87-3	<1
2-CHLOROTOLUENE	95-49-8	<1
4-CHLOROTOLUENE	106-43-4	<1
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	<1
1,2-DIBROMOETHANE	106-93-4	<1
DIBROMOMETHANE	74-95-3	<1
1,2-DICHLOROBENZENE	95-50-1	<1
1,3-DICHLOROBENZENE	541-73-1	<1
1,4-DICHLOROBENZENE	106-46-7	<1
DICHLORODIFLUOROMETHANE	75-71-8	<1
1,1-DICHLOROETHANE	75-34-3	<1
1,2-DICHLOROETHANE	107-06-2	<1
1,1-DICHLOROETHENE	75-35-4	<1
cis-1,2-DICHLOROETHENE	156-59-2	<1
trans-1,2-DICHLOROETHENE	156-60-5	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard .....(Floor Wash Water)
Date received: 03/13/00	Laboratory ID: 0011176
Date extracted: NA	Matrix: Liquid
Date analyzed: 03/14/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
1,2-DICHLOROPROPANE	78-87-5	<1
1,3-DICHLOROPROPANE	142-28-9	<1
2,2-DICHLOROPROPANE	594-20-7	<1
1,1-DICHLOROPROPENE	563-58-6	<1
ETHYLBENZENE	100-41-4	<1
HEXACHLOROBUTADIENE	87-68-3	<1
ISOPROPYLBENZENE	98-82-8	<1
p-ISOPROPYLTOLUENE	99-87-6	<1
METHYLENE CHLORIDE	75-09-2	<1
NAPHTHALENE	91-20-3	<1
n-PROPYLBENZENE	103-65-1	<1
STYRENE	100-42-5	<1
1,1,1,2-TETRACHLOROETHANE	630-20-6	<1
1,1,2,2-TETRACHLOROETHANE	79-34-5	<1
TETRACHLOROETHENE	127-18-4	<1
TOLUENE	108-88-3	4
1,2,3-TRICHLOROBENZENE	87-61-6	<1
1,2,4-TRICHLOROBENZENE	120-82-1	<1
1,1,1-TRICHLOROETHANE	71-55-6	<1
1,1,2-TRICHLOROETHANE	79-00-5	<1
TRICHLOROETHENE	79-01-6	<1
TRICHLOROFLUOROMETHANE	75-69-4	<1
1,2,3-TRICHLOROPROPANE	96-18-4	<1
1,3,5-TRIMETHYLBENZENE	108-67-8	<1
1,2,4-TRIMETHYLBENZENE	95-63-6	<1
VINYL CHLORIDE	75-01-4	<1
ACETONE	62-64-1	<1
CARBON DISULFIDE	75-15-0	<1
2-BUTANONE	78-93-3	<1
VINYL ACETATE	108-05-4	<1
4-METHYL-2-PENTANONE	108-10-1	<1
2-HEXANONE	591-78-6	<1
XYLENES (TOTAL)	1330-20-7	<3

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT. LPAT 102391
CTDOH PH-0205

February 28, 2000

Richard Taylor
Brookside Environmental
2108 Grand Avenue
Baldwin, NY 11510

Re: LIRR Morris Park/Tank Water

Dear Mr. Taylor;

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on February 25, 2000. American Analytical Laboratories analyzed the samples through February 28, 2000 for the following;

CLIENT ID	ANALYSIS
MPTW-1 [South]	EPA 8260 (Toluene & Methylene Chloride)
MPTW-2 [North]	EPA 8260 (Toluene & Methylene Chloride)

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park/Tank Water (MPTW-1 [South])
Date received: 02/25/00	Laboratory ID: 0010926
Date extracted: NA	Matrix: Liquid
Date analyzed: 02/28/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
METHYLENE CHLORIDE	75-09-2	<1
TOLUENE	108-88-3	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park/Tank Water (MPTW-2 [North])
Date received: 02/25/00	Laboratory ID: 0010927
Date extracted: NA	Matrix: Liquid
Date analyzed: 02/28/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
METHYLENE CHLORIDE	75-09-2	<1
TOLUENE	108-88-3	<1

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

March 09, 2000

Richard Taylor
Brookside Environmental
2108 Grand Avenue
Baldwin, NY 11510

Re: LIRR Morris Park Yard

Dear Mr. Taylor;

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on March 07, 2000. American Analytical Laboratories analyzed the samples through March 10, 2000 for the following;

CLIENT ID	ANALYSIS
Tank Rinse-1	EPA 8260
Top Rinse-2	EPA 8260
Acid Rinse	EPA 8260
Detergent Rinse	EPA 8260
Steam Rinse	EPA 8260

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (Acid Rinse)
Date received: 03/07/00	Laboratory ID: 0011115
Date extracted: NA	Matrix: Liquid
Date analyzed: 03/07/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
METHYLENE CHLORIDE	75-09-2	43
TOLUENE	108-88-3	8

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (Detergent Rinse)
Date received: 03/07/00	Laboratory ID: 0011116
Date extracted: NA	Matrix: Liquid
Date analyzed: 03/07/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
METHYLENE CHLORIDE	75-09-2	13
TOLUENE	108-88-3	4

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (Steam Rinse)
Date received: 03/07/00	Laboratory ID: 0011117
Date extracted: NA	Matrix: Liquid
Date analyzed: 03/08/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
METHYLENE CHLORIDE	75-09-2	14
TOLUENE	108-88-3	5

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (Top Rinse-2)
Date received: 03/07/00	Laboratory ID: 0011114
Date extracted: NA	Matrix: Liquid
Date analyzed: 03/10/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
METHYLENE CHLORIDE	75-09-2	<1
TOLUENE	108-88-3	<1

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (Tank Rinse-1)
Date received: 03/07/00	Laboratory ID: 0011113
Date extracted: NA	Matrix: Liquid
Date analyzed: 03/10/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/L
METHYLENE CHLORIDE	75-09-2	<1
TOLUENE	108-88-3	<1

Lori Beyer
LABORATORY DIRECTOR

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

March 20, 2000

Richard Taylor
Brookside Environmental
2108 Grand Avenue
Baldwin, NY 11510

Re: LIRR Morris Park Yard

Dear Mr. Taylor:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on March 09, 2000. American Analytical Laboratories analyzed the samples through March 20, 2000 for the following:

CLIENT ID	ANALYSIS
South #1	EPA 8260
Center #2	EPA 8260
North #3	EPA 8260

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (South #1)
Date received: 03/09/00	Laboratory ID: 0011159
Date extracted: NA	Matrix: Soil
Date analyzed: 03/10/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
BENZENE	71-43-2	<5
BROMOBENZENE	108-86-1	<5
BROMOCHLOROMETHANE	74-97-5	<5
BROMODICHLOROMETHANE	75-27-4	<5
BROMOFORM	75-25-2	<5
BROMOMETHANE	74-83-9	<5
n-BUTYLBENZENE	104-51-8	<5
sec-BUTYLBENZENE	135-98-8	<5
tert-BUTYLBENZENE	98-06-6	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLORODIBROMOMETHANE	124-48-1	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
CHLOROMETHANE	74-87-3	<5
2-CHLOROTOLUENE	95-49-8	<5
4-CHLOROTOLUENE	106-43-4	<5
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	<5
1,2-DIBROMOETHANE	106-93-4	<5
DIBROMOMETHANE	74-95-3	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
DICHLORODIFLUOROMETHANE	75-71-8	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
cis-1,2-DICHLOROETHENE	156-59-2	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (South #1)
Date received: 03/09/00	Laboratory ID: 0011159
Date extracted: NA	Matrix: Soil
Date analyzed: 03/10/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
1,2-DICHLOROPROPANE	78-87-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
2,2-DICHLOROPROPANE	594-20-7	<5
1,1-DICHLOROPROPENE	563-58-6	<5
ETHYLBENZENE	100-41-4	<5
HEXACHLOROBUTADIENE	87-68-3	<5
ISOPROPYLBENZENE	98-82-8	<5
p-ISOPROPYLTOLUENE	99-87-6	<5
METHYLENE CHLORIDE	75-09-2	<5
NAPHTHALENE	91-20-3	35
n-PROPYLBENZENE	103-65-1	<5
STYRENE	100-42-5	<5
1,1,1,2-TETRACHLOROETHANE	630-20-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
TETRACHLOROETHENE	127-18-4	<5
TOLUENE	108-88-3	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
TRICHLOROETHENE	79-01-6	<5
TRICHLOROFLUOROMETHANE	75-69-4	<5
1,2,3-TRICHLOROPROPANE	96-18-4	<5
1,3,5-TRIMETHYLBENZENE	108-67-8	<5
1,2,4-TRIMETHYLBENZENE	95-63-6	<5
VINYL CHLORIDE	75-01-4	<5
ACETONE	62-64-1	120
CARBON DISULFIDE	75-15-0	<5
2-BUTANONE	78-93-3	<5
VINYL ACETATE	108-05-4	<5
4-METHYL-2-PENTANONE	108-10-1	<5
2-HEXANONE	591-78-6	<5
XYLENES (TOTAL)	1330-20-7	<15

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (Center #2)
Date received: 03/09/00	Laboratory ID: 0011160
Date extracted: NA	Matrix: Soil
Date analyzed: 03/10/00-03/20/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
BENZENE	71-43-2	<250
BROMOBENZENE	108-86-1	<250
BROMOCHLOROMETHANE	74-97-5	<250
BROMODICHLOROMETHANE	75-27-4	<250
BROMOFORM	75-25-2	<250
BROMOMETHANE	74-83-9	<250
n-BUTYLBENZENE	104-51-8	1,300
sec-BUTYLBENZENE	135-98-8	9,200
tert-BUTYLBENZENE	98-06-6	1,900
CARBON TETRACHLORIDE	56-23-5	<250
CHLOROBENZENE	108-90-7	<250
CHLORODIBROMOMETHANE	124-48-1	<250
CHLOROETHANE	75-00-3	<250
CHLOROFORM	67-66-3	<250
CHLOROMETHANE	74-87-3	<250
2-CHLOROTOLUENE	95-49-8	<250
4-CHLOROTOLUENE	106-43-4	<250
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	<250
1,2-DIBROMOETHANE	106-93-4	<250
DIBROMOMETHANE	74-95-3	<250
1,2-DICHLOROBENZENE	95-50-1	<250
1,3-DICHLOROBENZENE	541-73-1	<250
1,4-DICHLOROBENZENE	106-46-7	<250
DICHLORODIFLUOROMETHANE	75-71-8	<250
1,1-DICHLOROETHANE	75-34-3	<250
1,2-DICHLOROETHANE	107-06-2	<250
1,1-DICHLOROETHENE	75-35-4	<250
cis-1,2-DICHLOROETHENE	156-59-2	<250
trans-1,2-DICHLOROETHENE	156-60-5	<250

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (Center #2)
Date received: 03/09/00	Laboratory ID: 0011160
Date extracted: NA	Matrix: Soil
Date analyzed: 03/10/00-03/20/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
1,2-DICHLOROPROPANE	78-87-5	<250
1,3-DICHLOROPROPANE	142-28-9	<250
2,2-DICHLOROPROPANE	594-20-7	<250
1,1-DICHLOROPROPENE	563-58-6	<250
ETHYLBENZENE	100-41-4	47,000
HEXACHLOROBUTADIENE	87-68-3	<250
ISOPROPYLBENZENE	98-82-8	1,400
p-ISOPROPYLTOLUENE	99-87-6	<250
METHYLENE CHLORIDE	75-09-2	<25
NAPHTHALENE	91-20-3	140,000
n-PROPYLBENZENE	103-65-1	2,500
STYRENE	100-42-5	<250
1,1,1,2-TETRACHLOROETHANE	630-20-6	<250
1,1,2,2-TETRACHLOROETHANE	79-34-5	<250
TETRACHLOROETHENE	127-18-4	<250
TOLUENE	108-88-3	18,000
1,2,3-TRICHLOROBENZENE	87-61-6	<250
1,2,4-TRICHLOROBENZENE	120-82-1	<250
1,1,1-TRICHLOROETHANE	71-55-6	<250
1,1,2-TRICHLOROETHANE	79-00-5	<250
TRICHLOROETHENE	79-01-6	<250
TRICHLOROFLUOROMETHANE	75-69-4	<250
1,2,3-TRICHLOROPROPANE	96-18-4	<250
1,3,5-TRIMETHYLBENZENE	108-67-8	17,000
1,2,4-TRIMETHYLBENZENE	95-63-6	7,900
VINYL CHLORIDE	75-01-4	<250
ACETONE	62-64-1	5,100
CARBON DISULFIDE	75-15-0	<250
2-BUTANONE	78-93-3	<250
VINYL ACETATE	108-05-4	<250
4-METHYL-2-PENTANONE	108-10-1	<250
2-HEXANONE	591-78-6	<250
XYLENES (TOTAL)	1330-20-7	310,000

Raised MDL due to elevated non-target analytes.

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE NEW YORK 11735 • (631) 454-6100 • FAX (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (North #3)
Date received: 03/09/00	Laboratory ID: 0011161
Date extracted: NA	Matrix: Soil
Date analyzed: 03/10/00-03/20/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
BENZENE	71-43-2	<250
BROMOBENZENE	108-86-1	<250
BROMOCHLOROMETHANE	74-97-5	<250
BROMODICHLOROMETHANE	75-27-4	<250
BROMOFORM	75-25-2	<250
BROMOMETHANE	74-83-9	<250
n-BUTYLBENZENE	104-51-8	3,000
sec-BUTYLBENZENE	135-98-8	22,000
tert-BUTYLBENZENE	98-06-6	4,700
CARBON TETRACHLORIDE	56-23-5	<250
CHLOROBENZENE	108-90-7	<250
CHLORODIBROMOMETHANE	124-48-1	<250
CHLOROETHANE	75-00-3	<250
CHLOROFORM	67-66-3	<250
CHLOROMETHANE	74-87-3	<250
2-CHLOROTOLUENE	95-49-8	<250
4-CHLOROTOLUENE	106-43-4	<250
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	<250
1,2-DIBROMOETHANE	106-93-4	<250
DIBROMOMETHANE	74-95-3	<250
1,2-DICHLOROBENZENE	95-50-1	<250
1,3-DICHLOROBENZENE	541-73-1	<250
1,4-DICHLOROBENZENE	106-46-7	<250
DICHLORODIFLUOROMETHANE	75-71-8	<250
1,1-DICHLOROETHANE	75-34-3	<250
1,2-DICHLOROETHANE	107-06-2	<250
1,1-DICHLOROETHENE	75-35-4	<250
cis-1,2-DICHLOROETHENE	156-59-2	<250
trans-1,2-DICHLOROETHENE	156-60-5	<250

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE NEW YORK 11735 • (631) 454-6100 • FAX (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (North #3)
Date received: 03/09/00	Laboratory ID: 0011161
Date extracted: NA	Matrix: Soil
Date analyzed: 03/10/00-03/20/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
1,2-DICHLOROPROPANE	78-87-5	<250
1,3-DICHLOROPROPANE	142-28-9	<250
2,2-DICHLOROPROPANE	594-20-7	<250
1,1-DICHLOROPROPENE	563-58-6	<250
ETHYLBENZENE	100-41-4	140,000
HEXACHLOROBUTADIENE	87-68-3	<250
ISOPROPYLBENZENE	98-82-8	4,900
p-ISOPROPYLTOLUENE	99-87-6	<250
METHYLENE CHLORIDE	75-09-2	<25
NAPHTHALENE	91-20-3	220,000
n-PROPYLBENZENE	103-65-1	8,500
STYRENE	100-42-5	<250
1,1,1,2-TETRACHLOROETHANE	630-20-6	<250
1,1,2,2-TETRACHLOROETHANE	79-34-5	<250
TETRACHLOROETHENE	127-18-4	300
TOLUENE	108-88-3	20,000
1,2,3-TRICHLOROBENZENE	87-61-6	<250
1,2,4-TRICHLOROBENZENE	120-82-1	<250
1,1,1-TRICHLOROETHANE	71-55-6	<250
1,1,2-TRICHLOROETHANE	79-00-5	<250
TRICHLOROETHENE	79-01-6	<250
TRICHLOROFLUOROMETHANE	75-69-4	<250
1,2,3-TRICHLOROPROPANE	96-18-4	<250
1,3,5-TRIMETHYLBENZENE	108-67-8	44,000
1,2,4-TRIMETHYLBENZENE	95-63-6	20,000
VINYL CHLORIDE	75-01-4	<250
ACETONE	62-64-1	5,000
CARBON DISULFIDE	75-15-0	<250
2-BUTANONE	78-93-3	<250
VINYL ACETATE	108-05-4	<250
4-METHYL-2-PENTANONE	108-10-1	<250
2-HEXANONE	591-78-6	<250
XYLENES (TOTAL)	1330-20-7	620,000

Raised MDL due to elevated non-target analytes.

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

AMERICAN ANALYTICAL LABORATORIES

NYSDOH ELAP 11418
AIHA PAT, LPAT 102391
CTDOH PH-0205

March 06, 2000

Richard Taylor
Brookside Environmental
2108 Grand Avenue
Baldwin, NY 11510

Re: LIRR Morris Park Yard

Dear Mr. Taylor;

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on March 01, 2000. American Analytical Laboratories analyzed the samples through March 03, 2000 for the following;

CLIENT ID	ANALYSIS
CONCDUST-1	EPA 8260

If you have any questions or require further information, please call at your convenience. American Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

American Analytical Laboratories, Inc.

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

Client: Brookside Environmental	Client ID: LIRR Morris Park Yard (CONCDUST-1)
Date received: 03/01/00	Laboratory ID: 0011041
Date extracted: NA	Matrix: Soil
Date analyzed: 03/03/00	Contractor: 11418

EPA METHOD 8260

Parameter	CAS No.	Results ug/kg
METHYLENE CHLORIDE	75-09-2	<5
TOLUENE	108-88-3	46

Laboratory Director

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735 • (631) 454-6100 • FAX: (631) 454-8027

Appendix C

APPENDIX C

GROUNDWATER MONITORING RESULTS – FIRST QUARTER

TABLE 1

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID DATE OF COLLECTION DILUTION FACTOR UNITS	CMW-1 10/28/99 1.0 ug/L	CMW-2 10/28/99 1.0 ug/L	CMW-3 10/28/99 1.0 ug/L	CMW-4 10/28/99 1.0 ug/L	CMW-5 10/28/99 1.0 ug/L	Contract Required Detection Limits ug/L
Dichlorodifluoromethane	U	NA	NA	U	U	10
Chloromethane	U	NA	NA	U	U	10
Vinyl Chloride	U	NA	NA	U	U	10
Bromomethane	U	NA	NA	U	U	10
Chloroethane	U	NA	NA	U	U	10
Trichlorofluoromethane	U	NA	NA	U	U	10
1,1-Dichloroethene	U	NA	NA	U	U	10
Acetone	U	NA	NA	U	U	10
Iodomethane	U	NA	NA	U	U	10
Carbon Disulfide	U	NA	NA	U	U	10
Methylene Chloride	U	NA	NA	U	U	10
trans-1,2-Dichloroethene	U	NA	NA	U	U	10
Methyl tert-butyl ether	U	NA	NA	U	U	10
1,1-Dichloroethane	U	NA	NA	U	U	10
Vinyl acetate	U	NA	NA	U	U	10
cis-1,2-Dichloroethene	U	NA	NA	U	U	10
2,2-Dichloropropane	U	NA	NA	U	U	10
2-Butanone	U	NA	NA	U	U	10
Bromochloromethane	U	NA	NA	U	U	10
Chloroform	U	NA	NA	U	U	10
1,1,1-Trichloroethane	U	NA	NA	U	U	10
1,1-Dichloropropene	U	NA	NA	U	U	10
Carbon Tetrachloride	U	NA	NA	U	U	10
1,2-Dichloroethane	U	NA	NA	U	U	10
Benzene	U	NA	NA	U	U	10
Trichloroethene	U	NA	NA	U	U	10
1,2-Dichloropropane	U	NA	NA	U	U	10
Dibromomethane	U	NA	NA	U	U	10
Bromodichloromethane	U	NA	NA	U	U	10
2-Chloroethyl vinyl ether	U	NA	NA	U	U	10
cis-1,3-Dichloropropene	U	NA	NA	U	U	10
4-Methyl-2-pentanone	U	NA	NA	U	U	10
Toluene	U	NA	NA	U	U	10
trans-1,3-Dichloropropene	U	NA	NA	U	U	10
1,1,2-Trichloroethane	U	NA	NA	U	U	10

TABLE 1 (continued)

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	CMW-1	CMW-2	CMW-3	CMW-4	CMW-5	Contract Required Detection Limits
DATE OF COLLECTION	10/28/99	10/28/99	10/28/99	10/28/99	10/28/99	
DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,3-Dichloropropane	U	NA	NA	U	U	10
Tetrachloroethene	1 J	6	9	8	4 J	10
2-Hexanone	U	NA	NA	U	U	10
Dibromochloromethane	U	NA	NA	U	U	10
1,2-Dibromoethane	U	NA	NA	U	U	10
Chlorobenzene	U	NA	NA	U	U	10
1,1,1,2-Tetrachloroethane	U	NA	NA	U	U	10
Ethylbenzene	U	NA	NA	U	U	10
Styrene	U	NA	NA	U	U	10
Xylene (total)	U	NA	NA	U	U	10
Bromoform	U	NA	NA	U	U	10
Isopropylbenzene	U	NA	NA	U	U	10
1,1,2,2-Tetrachloroethane	U	NA	NA	U	U	10
Bromobenzene	U	NA	NA	U	U	10
1,2,3-Trichloropropane	U	NA	NA	U	U	10
n-Propylbenzene	U	NA	NA	U	U	10
2-Chlorotoluene	U	NA	NA	U	U	10
1,3,5-Trimethylbenzene	U	NA	NA	U	U	10
4-Chlorotoluene	U	NA	NA	U	U	10
tert-Butylbenzene	U	NA	NA	U	U	10
1,2,4-Trimethylbenzene	U	NA	NA	U	U	10
sec-Butylbenzene	U	NA	NA	U	U	10
1,3-Dichlorobenzene	U	NA	NA	U	U	10
4-Isopropyltoluene	U	NA	NA	U	U	10
1,4-Dichlorobenzene	U	NA	NA	U	U	10
n-Butylbenzene	U	NA	NA	U	U	10
1,2-Dichlorobenzene	U	NA	NA	U	U	10
1,2-Dibromo-3-chloropropane	U	NA	NA	U	U	10
1,2,4-Trichlorobenzene	U	NA	NA	2 JB	U	10
Hexachlorobutadiene	U	NA	NA	1 JB	U	10
Naphthalene	U	NA	NA	2 JB	U	10
1,2,3-Trichlorobenzene	U	NA	NA	2 JB	U	10

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.
J: Compound found at a concentration below the detection limit.

NOTES:
NA: Not analyzed.

TABLE 2
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID DATE OF COLLECTION DILUTION FACTOR UNITS	**CMW-1** 10/28/99 1.0 ug/L	**CMW-4** 10/28/99 1.0 ug/L	**CMW-5** 10/28/99 1.0 ug/L	**Contract Required Detection Limits** ug/L
Phenol	U	U	U	10
bis(2-Chloroethyl)ether	U	U	U	10
2-Chlorophenol	U	U	U	10
1,3-Dichlorobenzene	U	U	U	10
1,4-Dichlorobenzene	U	U	U	10
1,2-Dichlorobenzene	U	U	U	10
2-Methylphenol	U	U	U	10
2,2'-oxybis (1-Chloropropane)	U	U	U	10
4-Methylphenol	U	U	U	10
N-Nitroso-di-n-propylamine	U	U	U	10
Hexachloroethane	U	U	U	10
Nitrobenzene	U	U	U	10
Isophorone	U	U	U	10
2-Nitrophenol	U	U	U	10
2,4-Dimethylphenol	U	U	U	10
2,4-Dichlorophenol	U	U	U	10
1,2,4-Trichlorobenzene	U	U	U	10
Naphthalene	U	U	U	10
4-Chloroaniline	U	U	U	10
bis(2-Chloroethoxy)methane	U	U	U	10
Hexachlorobutadiene	U	U	U	10
4-Chloro-3-methylphenol	U	U	U	10
2-Methylnaphthalene	U	U	U	10
Hexachlorocyclopentadiene	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	25
2-Chloronaphthalene	U	U	U	10
2-Nitroaniline	U	U	U	25
Dimethylphthalate	U	U	U	10
Acenaphthylene	U	U	U	10
2,6-Dinitrotoluene	U	U	U	10
3-Nitroaniline	U	U	U	25
Acenaphthene	U	U	U	10

TABLE 2 (continued)
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID	CMW-1	CMW-4	CMW-5	Contract Required Detection Limits
DATE OF COLLECTION	10/28/99	10/28/99	10/28/99	
DILUTION FACTOR	1.0	1.0	1.0	
UNITS	ug/L	ug/L	ug/L	ug/L
2,4-Dinitrophenol	U	U	U	25
4-Nitrophenol	U	U	U	25
Dibenzofuran	U	U	U	10
2,4-Dinitrotoluene	U	U	U	10
Diethylphthalate	U	U	U	10
4-Chlorophenyl-phenylether	U	U	U	10
Fluorene	U	U	U	10
4-Nitroaniline	U	U	U	25
4,6-Dinitro-2-methylphenol	U	U	U	25
N-Nitrosodiphenylamine	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	10
Hexachlorobenzene	U	U	U	10
Pentachlorophenol	U	U	U	25
Phenanthrene	U	U	U	10
Anthracene	U	U	U	10
Carbazole	U	U	U	10
Di-n-butylphthalate	U	U	U	10
Fluoranthene	U	U	U	10
Pyrene	U	U	U	10
Butylbenzylphthalate	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	10
Benzo(a)anthracene	U	U	U	10
Chrysene	U	U	U	10
bis(2-Ethylhexyl)phthalate	U	U	U	10
Di-n-octylphthalate	U	U	U	10
Benzo(b)fluoranthene	U	U	U	10
Benzo(k)fluoranthene	U	U	U	10
Benzo(a)pyrene	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	10
Dibenz(a,h)anthracene	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	10

QUALIFIERS:
U: Constituent analyzed for but not detected.

TABLE 3
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
METALS

SAMPLE ID	**CMW-1**	**CMW-4**	**CMW-5**	**Instrument Detection Limits**
DATE OF COLLECTION	10/28/99	10/28/99	10/28/99	
DILUTION FACTOR	1.0	1.0	1.0	
UNITS	ug/L	ug/L	ug/L	ug/L
Antimony	4.4 B	U	U	1.4
Beryllium	U	U	U	0.7
Lead	14.1	14.6	10.0	1.2

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.

TABLE 4

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION AREA
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	PMW-4	PMW-5	PMW-6	PMW-7	Contract Required Detection Limits
DATE OF COLLECTION	10/29/99	10/29/99	10/29/99	10/29/99	
DILUTION FACTOR	1.0	1.0	1.0	1.0	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Dichlorodifluoromethane	U	U	U	U	10
Chloromethane	U	U	U	U	10
Vinyl Chloride	U	U	U	U	10
Bromomethane	U	U	U	U	10
Chloroethane	U	U	U	U	10
Trichlorofluoromethane	490 D	220 D	U	U	10
1,1-Dichloroethene	U	U	U	U	10
Acetone	U	U	U	U	10
Iodomethane	U	U	U	U	10
Carbon Disulfide	U	U	U	U	10
Methylene Chloride	U	U	U	U	10
trans-1,2-Dichloroethene	U	U	U	U	10
Methyl tert-butyl ether	U	U	U	U	10
1,1-Dichloroethane	U	U	U	U	10
Vinyl acetate	U	U	U	U	10
cis-1,2-Dichloroethene	U	U	U	U	10
2,2-Dichloropropane	U	U	U	U	10
2-Butanone	U	U	U	U	10
Bromochloromethane	U	U	U	U	10
Chloroform	U	U	5	2 J	10
1,1,1-Trichloroethane	U	U	U	U	10
1,1-Dichloropropene	U	U	U	U	10
Carbon Tetrachloride	U	U	U	U	10
1,2-Dichloroethane	U	U	U	U	10
Benzene	U	U	U	U	10
Trichloroethene	U	U	U	U	10
1,2-Dichloropropane	U	U	U	U	10
Dibromomethane	U	U	U	U	10
Bromodichloromethane	U	U	U	U	10
2-Chloroethyl vinyl ether	U	U	U	U	10
cis-1,3-Dichloropropene	U	U	U	U	10
4-Methyl-2-pentanone	U	U	U	U	10
Toluene	U	U	U	U	10
trans-1,3-Dichloropropene	U	U	U	U	10
1,1,2-Trichloroethane	U	U	U	U	10

TABLE 4 (continued)

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	PMW-4	PMW-5	PMW-6	PMW-7	Contract Required Detection Limits
DATE OF COLLECTION	10/29/99	10/29/99	10/29/99	10/29/99	
DILUTION FACTOR	1.0	1.0	1.0	1.0	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,3-Dichloropropane	U	U	U	U	10
Tetrachloroethene	4 J	13	U	1 J	10
2-Hexanone	U	U	U	U	10
Dibromochloromethane	U	U	U	U	10
1,2-Dibromoethane	U	U	U	U	10
Chlorobenzene	U	U	U	U	10
1,1,1,2-Tetrachloroethane	U	U	U	U	10
Ethylbenzene	U	U	U	U	10
Styrene	U	U	U	U	10
Xylene (total)	U	U	U	U	10
Bromoform	U	U	U	U	10
Isopropylbenzene	U	U	U	U	10
1,1,2,2-Tetrachloroethane	U	U	U	U	10
Bromobenzene	U	U	U	U	10
1,2,3-Trichloropropane	U	U	U	U	10
n-Propylbenzene	U	U	U	U	10
2-Chlorotoluene	U	U	U	U	10
1,3,5-Trimethylbenzene	U	U	U	U	10
4-Chlorotoluene	U	U	U	U	10
tert-Butylbenzene	U	U	U	U	10
1,2,4-Trimethylbenzene	U	U	U	U	10
sec-Butylbenzene	U	U	U	U	10
1,3-Dichlorobenzene	U	U	U	U	10
4-Isopropyltoluene	U	U	U	U	10
1,4-Dichlorobenzene	U	U	U	U	10
n-Butylbenzene	U	U	U	U	10
1,2-Dichlorobenzene	U	U	U	U	10
1,2-Dibromo-3-chloropropane	U	U	U	U	10
1,2,4-Trichlorobenzene	U	U	U	U	10
Hexachlorobutadiene	U	U	U	U	10
Naphthalene	U	U	U	U	10
1,2,3-Trichlorobenzene	U	U	U	U	10

QUALIFIERS:
U: Constituent analyzed for but not detected.
J: Compound found at a concentration below the detection limit.
D: Sample analyzed at a dilution of 5.0.

TABLE 5
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION AREA
GROUNDWATER SAMPLING RESULTS
METALS

SAMPLE ID	PMW-4	PMW-5	PMW-6	PMW-7	Instrument
DATE OF COLLECTION	10/29/99	10/29/99	10/29/99	10/29/99	Detection
DILUTION FACTOR	1.0	1.0	1.0	1.0	Limits
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Arsenic	U	U	U	U	3.0
Beryllium	0.28 B	U	U	U	0.7
Cadmium	1.1 B	1.3 B	1.4 B	1.6 B	0.3
Chromium	50.9	58.9	34.3	1.4 B	0.6
Lead	10.9	15.9	16.6	12.6	1.2

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.

Appendix D

APPENDIX D

GROUNDWATER MONITORING RESULTS – SECOND QUARTER

TABLE 1

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	CMW-1	CMW-2	CMW-3	CMW-4	CMW-5	Contract Required Detection Limits
DATE OF COLLECTION	4/28/00	4/26/00	4/26/00	4/27/00	4/27/00	
DILUTION FACTOR	1	1	1	1	1	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	U	NA	NA	U	U	10
Bromomethane	U	NA	NA	U	U	10
Vinyl Chloride	U	NA	NA	U	U	10
Chloroethane	U	NA	NA	U	U	10
Methylene Chloride	U	NA	NA	U	U	10
Acetone	U	NA	NA	U	U	10
Carbon Disulfide	U	NA	NA	U	U	10
1,1-Dichloroethene	U	NA	NA	U	U	10
1,1-Dichloroethane	U	NA	NA	U	U	10
1,2-Dichloroethene (Total)	U	NA	NA	U	U	10
Chloroform	U	NA	NA	U	U	10
1,2-Dichloroethane	U	NA	NA	U	U	10
2-Butanone	U	NA	NA	U	U	10
1,1,1-Trichloroethane	U	NA	NA	U	U	10
Carbon Tetrachloride	U	NA	NA	U	U	10
Bromodichloromethane	U	NA	NA	U	U	10
1,2-Dichloropropane	U	NA	NA	U	U	10
cis-1,3-Dichloropropene	U	NA	NA	U	U	10
Trichloroethene	U	NA	NA	U	U	10
Dibromochloromethane	U	NA	NA	U	U	10
1,1,2-Trichloroethane	U	NA	NA	U	U	10
Benzene	U	NA	NA	U	U	10
trans-1,3-Dichloropropene	U	NA	NA	U	U	10
Bromoform	U	NA	NA	U	U	10
4-Methyl-2-pentanone	U	NA	NA	U	U	10
2-Hexanone	U	NA	NA	U	U	10
Tetrachloroethene	1 J	5 J	9 J	8 J	2 J	10
1,1,2,2-Tetrachloroethane	U	NA	NA	U	U	10
Toluene	U	NA	NA	U	U	10
Chlorobenzene	U	NA	NA	U	U	10
Ethylbenzene	U	NA	NA	U	U	10
Styrene	U	NA	NA	U	U	10
Xylene (total)	U	NA	NA	U	U	10
						10

Notes:
U: Constituent analyzed for but not detected.
J: Compound found at a concentration below the detection limit.

TABLE 2
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID	CMW-1	CMW-4	CMW-5	Contract Required Detection Limits
DATE OF COLLECTION	04/28/00	4/27/00	4/27/00	
DILUTION FACTOR	1	1	1	
UNITS	ug/L	ug/L	ug/L	ug/L
Phenol	U	U	U	10
bis(2-Chloroethyl)ether	U	U	U	10
2-Chlorophenol	U	U	U	10
1,3-Dichlorobenzene	U	U	U	10
1,4-Dichlorobenzene	U	U	U	10
1,2-Dichlorobenzene	U	U	U	10
2-Methylphenol	U	U	U	10
2,2'-oxybis (1-Chloropropane)	U	U	U	10
4-Methylphenol	U	U	U	10
N-Nitroso-di-n-propylamine	U	U	U	10
Hexachloroethane	U	U	U	10
Nitrobenzene	U	U	U	10
Isophorone	U	U	U	10
2-Nitrophenol	U	U	U	10
2,4-Dimethylphenol	U	U	U	10
2,4-Dichlorophenol	U	U	U	10
1,2,4-Trichlorobenzene	U	U	U	10
Naphthalene	U	U	U	10
4-Chloroaniline	U	U	U	10
bis(2-Chloroethoxy)methane	U	U	U	10
Hexachlorobutadiene	U	U	U	10
4-Chloro-3-methylphenol	U	U	U	10
2-Methylnaphthalene	U	U	U	10
Hexachlorocyclopentadiene	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	25
2-Chloronaphthalene	U	U	U	10
2-Nitroaniline	U	U	U	25
Dimethylphthalate	U	U	U	10
Acenaphthylene	U	U	U	10
2,6-Dinitrotoluene	U	U	U	10
3-Nitroaniline	U	U	U	25
Acenaphthene	U	U	U	10

TABLE 2 (continued)
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID DATE OF COLLECTION DILUTION FACTOR UNITS	**CMW-1** 4/28/00 1 ug/L	**CMW-4** 4/27/00 1 ug/L	**CMW-5** 4/27/00 1 ug/L	**Contract Required Detection Limits** ug/L
2,4-Dinitrophenol	U	U	U	25
4-Nitrophenol	U	U	U	25
Dibenzofuran	U	U	U	10
2,4-Dinitrotoluene	U	U	U	10
Diethylphthalate	U	U	U	10
4-Chlorophenyl-phenylether	U	U	U	10
Fluorene	U	U	U	10
4-Nitroaniline	U	U	U	25
4,6-Dinitro-2-methylphenol	U	U	U	25
N-Nitrosodiphenylamine	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	10
Hexachlorobenzene	U	U	U	10
Pentachlorophenol	U	U	U	25
Phenanthrene	U	U	U	10
Anthracene	U	U	U	10
Carbazole	U	U	U	10
Di-n-butylphthalate	U	U	U	10
Fluoranthene	U	U	U	10
Pyrene	U	U	U	10
Butylbenzylphthalate	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	10
Benzo(a)anthracene	U	U	U	10
Chrysene	U	U	U	10
bis(2-Ethylhexyl)phthalate	U	U	3 J	10
Di-n-octylphthalate	U	U	U	10
Benzo(b)fluoranthene	U	U	U	10
Benzo(k)fluoranthene	U	U	U	10
Benzo(a)pyrene	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	10
Dibenz(a,h)anthracene	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	10

QUALIFIERS:
U: Constituent analyzed for but not detected.
J: Compound found at a concentration below the detectioin limit.

TABLE 3
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
CONTAINER STORAGE AREA
GROUNDWATER SAMPLING RESULTS
METALS

SAMPLE ID	CMW-1	CMW-1	CMW-4	CMW-4	CMW-5	CMW-5	Instrument Detection Limits
DATE OF COLLECTION	04/28/2000	04/28/2000	4/27/00	4/27/00	4/27/00	4/27/00	
DILUTION FACTOR	1	1	1	1	1	1	
UNFILTERED/FILTERED	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	U	U	4,530	3,980	936	1,060	12.0
Antimony	U	U	U	U	U	U	5.0
Arsenic	U	U	U	U	U	U	4.0
Barium	12.2 B	11.5 B	83.4 B	80.3 B	69.4 B	74 B	0.5
Beryllium	U	U	U	U	U	U	0.2
Cadmium	U	U	0.41 B	0.61 B	0.44 B	0.3 B	0.2
Calcium	13,800	13,200	21,100	20,100	46,000	48,600	298.0
Chromium	2.5 B	2.4 B	12.1	11	357	258	0.4
Cobalt	U	U	7.3 B	6.4 B	4.5 B	4.3 B	0.6
Copper	U	U	7.7 B	7.5 B	6.1 B	6 B	0.5
Iron	55.7 B	39.1 B	5,000	4,370	3,910	3,740	3.0
Lead	U	U	3.6	3.8	9.7	9.8	3.0
Magnesium	5,550	5,350	8,550	8,150	17,200	18,700	6.0
Manganese	4.3 B	4.1 B	241	209	559	597	0.8
Mercury	U	U	U	U	U	U	0.1
Nickel	1.3 B	1.7 B	27.4 B	25.5 B	239	244	0.6
Potassium	969 B	908 B	20,000	18,900	11,200	12,000	135.0
Selenium	U	U	5.2	U	U	U	5.0
Silver	U	U	U	U	U	U	3.0
Sodium	4,140 B	3,950 B	17,300	16,600	14,600	16,000	134.0
Thallium	U	U	U	U	U	U	6.0
Vanadium	0.64 B	U	6.9 B	6.0 B	2.7 B	2.9 B	0.5
Zinc	2.0 B	1.9 B	109	103	8.8 B	7.9 B	0.9

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.

TABLE 4

LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION AREA
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	PMW-4	PMW-5	PMW-6	PMW-7	Contract Required Detection Limits
DATE OF COLLECTION	4/28/00	4/29/00	4/28/00	4/27/00	
DILUTION FACTOR	1	1	1	1	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	U	U	U	U	10
Bromomethane	U	U	U	U	10
Vinyl Chloride	U	U	U	U	10
Chloroethane	U	U	U	U	10
Methylene Chloride	U	U	U	U	10
Acetone	U	U	U	U	10
Carbon Disulfide	U	U	U	U	10
1,1-Dichloroethene	U	U	U	U	10
1,1-Dichloroethane	U	U	U	U	10
1,2-Dichloroethene (Total)	U	U	U	U	10
Chloroform	U	U	5 J	8 J	10
1,2-Dichloroethane	U	U	U	U	10
2-Butanone	U	U	U	U	10
1,1,1-Trichloroethane	U	U	U	U	10
Carbon Tetrachloride	U	U	U	U	10
Bromodichloromethane	U	U	U	1 J	10
1,2-Dichloropropane	U	U	U	U	10
cis-1,3-Dichloropropene	U	U	U	U	10
Trichloroethene	U	U	U	U	10
Dibromochloromethane	U	U	U	U	10
1,1,2-Trichloroethane	U	U	U	U	10
Benzene	U	U	U	U	10
trans-1,3-Dichloropropene	U	U	U	U	10
Bromoform	U	U	U	U	10
4-Methyl-2-pentanone	U	U	U	U	10
2-Hexanone	U	U	U	U	10
Tetrachloroethene	3 J	10	1 J	U	10
1,1,2,2-Tetrachloroethane	U	U	U	U	10
Toluene	U	U	U	U	10
Chlorobenzene	U	U	U	U	10
Ethylbenzene	U	U	U	U	10
Styrene	U	U	U	U	10
Xylene (total)	U	U	U	U	10

QUALIFIERS:
U: Constituent analyzed for but not detected.
J: Compound found at a concentration below the detection limit.

TABLE 5
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION AREA
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID	PMW-4	PMW-5	PMW-6	PMW-7	Contract Required Detection Limits
DATE OF COLLECTION	04/28/00	4/27/00	4/27/00	4/27/00	
DILUTION FACTOR	1	1	1	1	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Phenol	U	U	U	U	10
bis(2-Chloroethyl)ether	U	U	U	U	10
2-Chlorophenol	U	U	U	U	10
1,3-Dichlorobenzene	U	U	U	U	10
1,4-Dichlorobenzene	U	U	U	U	10
1,2-Dichlorobenzene	U	U	U	U	10
2-Methylphenol	U	U	U	U	10
2,2'-oxybis (1-Chloropropane)	U	U	U	U	10
4-Methylphenol	U	U	U	U	10
N-Nitroso-di-n-propylamine	U	U	U	U	10
Hexachloroethane	U	U	U	U	10
Nitrobenzene	U	U	U	U	10
Isophorone	U	U	U	U	10
2-Nitrophenol	U	U	U	U	10
2,4-Dimethylphenol	U	U	U	U	10
2,4-Dichlorophenol	U	U	U	U	10
1,2,4-Trichlorobenzene	U	U	U	U	10
Naphthalene	U	U	U	U	10
4-Chloroaniline	U	U	U	U	10
bis(2-Chloroethoxy)methane	U	U	U	U	10
Hexachlorobutadiene	U	U	U	U	10
4-Chloro-3-methylphenol	U	U	U	U	10
2-Methylnaphthalene	U	U	U	U	10
Hexachlorocyclopentadiene	U	U	U	U	10
2,4,6-Trichlorophenol	U	U	U	U	10
2,4,5-Trichlorophenol	U	U	U	U	25
2-Chloronaphthalene	U	U	U	U	10
2-Nitroaniline	U	U	U	U	25
Dimethylphthalate	U	U	U	U	10
Acenaphthylene	U	U	U	U	10
2,6-Dinitrotoluene	U	U	U	U	10
3-Nitroaniline	U	U	U	U	25
Acenaphthene	U	U	U	U	10

TABLE 5 (continued)
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION AREA
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID DATE OF COLLECTION DILUTION FACTOR UNITS	**PMW-4** 4/28/00 1 ug/L	**PMW-5** 4/27/00 1 ug/L	**PMW-6** 4/27/00 1 ug/L	**PMW-7** 4/27/00 1 ug/L	**Contract Required Detection Limits** ug/L
2,4-Dinitrophenol	U	U	U	U	25
4-Nitrophenol	U	U	U	U	25
Dibenzofuran	U	U	U	U	10
2,4-Dinitrotoluene	U	U	U	U	10
Diethylphthalate	U	U	U	U	10
4-Chlorophenyl-phenylether	U	U	U	U	10
Fluorene	U	U	U	U	10
4-Nitroaniline	U	U	U	U	25
4,6-Dinitro-2-methylphenol	U	U	U	U	25
N-Nitrosodiphenylamine	U	U	U	U	10
4-Bromophenyl-phenylether	U	U	U	U	10
Hexachlorobenzene	U	U	U	U	10
Pentachlorophenol	U	U	U	U	25
Phenanthrene	U	U	U	U	10
Anthracene	U	U	U	U	10
Carbazole	U	U	U	U	10
Di-n-butylphthalate	U	U	U	U	10
Fluoranthene	U	U	U	U	10
Pyrene	U	U	U	U	10
Butylbenzylphthalate	U	U	U	U	10
3,3'-Dichlorobenzidine	U	U	U	U	10
Benzo(a)anthracene	U	U	U	U	10
Chrysene	U	U	U	U	10
bis(2-Ethylhexyl)phthalate	U	U	2 J	U	10
Di-n-octylphthalate	U	U	U	U	10
Benzo(b)fluoranthene	U	U	U	U	10
Benzo(k)fluoranthene	U	U	U	U	10
Benzo(a)pyrene	U	U	U	U	10
Indeno(1,2,3-cd)pyrene	U	U	U	U	10
Dibenz(a,h)anthracene	U	U	U	U	10
Benzo(g,h,i)perylene	U	U	U	U	10

QUALIFIERS:
U: Constituent analyzed for but not detected.
J: Compound found at a concentration below the detection limit.

TABLE 6
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION AREA
GROUNDWATER SAMPLING RESULTS
METALS

SAMPLE ID	PMW-4	PMW-4	PMW-5	PMW-5	Instrument
DATE OF COLLECTION	4/28/00	4/28/00	4/28/00	4/28/00	Detection
DILUTION FACTOR	1	1	1	1	Limits
UNFILTERED/FILTERED	Unfiltered	Filtered	Unfiltered	Filtered	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	146 B	129 B	64.3 B	43.3 B	12.0
Antimony	U	U	U	U	5.0
Arsenic	U	U	U	U	4.0
Barium	9.0 B	8.5 B	25 B	25.4 B	0.5
Beryllium	U	U	U	U	0.2
Cadmium	U	U	U	U	0.2
Calcium	6,360	6,580	19,800	20,300	298.0
Chromium	41.8	34.2	15.7	14.6	0.4
Cobalt	U	U	1.1 B	U	0.6
Copper	1.9 B	1.8 B	1.2 B	0.95 B	0.5
Iron	419	287	140	91.4 B	3.0
Lead	7.2	8.0	U	U	3.0
Magnesium	2,490 B	2,500 B	8,800	8,920	6.0
Manganese	9.7 B	7.6 B	25	25.9	0.8
Mercury	U	U	U	U	0.1
Nickel	27.9 B	25.3 B	16.3 B	16.4 B	0.6
Potassium	708 B	650 B	1,220 B	1,250 B	135.0
Selenium	U	U	U	U	5.0
Silver	U	U	U	U	3.0
Sodium	35,500	36,000	69,500	70,600	134.0
Thallium	U	U	U	U	6.0
Vanadium	1.3 B	1.4 B	0.77 B	0.84 B	0.5
Zinc	4.8 B	3.3 B	2.7 B	3.6 B	0.9

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.

TABLE 6 (continued)
LONG ISLAND RAIL ROAD
MORRIS PARK REPAIR FACILITY
PAINT STRIPPING OPERATION AREA
GROUNDWATER SAMPLING RESULTS
METALS

SAMPLE ID	PMW-6	PMW-6	PMW-7	PMW-7	Instrument Detection Limits
DATE OF COLLECTION	4/28/00	4/28/00	4/27/00	4/27/00	
DILUTION FACTOR	1	1	1	1	
UNFILTERED/FILTERED	Unfiltered	Filtered	Unfiltered	Filtered	
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	17.0 B	16.9 B	138 B	104 B	12.0
Antimony	5.1 B	5.7 B	U	U	5.0
Arsenic	U	U	U	U	4.0
Barium	113 B	120 B	64.7 B	64.3 B	0.5
Beryllium	U	U	U	U	0.2
Cadmium	0.25 B	0.46 B	0.41 B	0.28 B	0.2
Calcium	19,100	20,400	26,000	26,000	298.0
Chromium	3.4 B	3.5 B	58.9	29.8	0.4
Cobalt	10.2 B	10.4 B	1 B	0.65 B	0.6
Copper	0.92 B	0.78 B	2 B	3.0 B	0.5
Iron	1,880	1,580	629	4.77	3.0
Lead	U	U	U	3.3	3.0
Magnesium	8,780	9,360	5,200	5,240	6.0
Manganese	4,430	4,760	12.5 B	11 B	0.8
Mercury	U	U	U	U	0.1
Nickel	38.1 B	40.9	32.6 B	33.4 B	0.6
Potassium	8,690	9,350	4,800 B	4,860 B	135.0
Selenium	U	U	U	U	5.0
Silver	3.9 B	U	U	U	3.0
Sodium	5,750	6,130	6,910	6,930	134.0
Thallium	U	U	U	U	6.0
Vanadium	U	U	0.7 B	U	0.5
Zinc	7.1 B	5.4 B	5.1 B	5.6 B	0.9

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.

Appendix E

Long Island Rail Road
Morris Park RCRA Closure

Nonhazardous Waste Manifests:
Leaching Pool
Soil Sediment Removal

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6834

GENERATOR NAME / ADDRESS	PHONE (AREA CODE)	GENERATOR EPA ID NO.:
IRR Hillside Sta Jamaica, NY	TRACTOR TRAILER	APPOINTMENT TIME :

MXI REP. LOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT GENERATOR (MILITARY TIME ONLY)
Hawkins			2015	: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: 16 - Site - Morris Park NY On Site ~~11/23 - 1/12~~ 11/23 - 1/12

EQUIPMENT USED: 5

BROKER:

PO. NO#: 12/13/41

STATE MANIFEST NO.:

(K) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Waste Petroleum Mixture Solids	N/A	N/A	N/A	1	CM		Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE	GENERATOR'S SIGNATURE	DATE LOADED
Joe Boyle for HRR	X I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.	1 / 12 / 00 MO. DAY YR.

TSDF NAME / ADDRESS	PHONE (AREA CODE)	TSDF EPA ID NO.:
Connecticut Waste Oil 50 Old Colony Rd. Wallingford, CT. 06492	203-235-8889	TRACTOR TRAILER / APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT TSDF (MILITARY TIME ONLY)
				: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE	TSDF SIGNATURE	DATE UNLOADED
	X	1 / 12 / 00 MO. DAY YR.

AL- NJD986607380
AR- PC-1469
AZ- H-778
CA- NJD986607380
CO- 3184
CT- HW-613
DE- HW-409
FL- NJD986607380
GA- NJD986607380
IL- 3401
IN- NJD986607380
KS- NJD986607380
KE- NJD986607380
LA- NJD986607380
MD- HWH 539
MA- NJD986607380
MI- NJD986607380
MN- UPWO389242-OH
MS- NJD986607380
MO- H-2083
NH- TNH-0211
NJ- 50059 SW-18582
NM- NJD986607380
NY- JA-334
NV- UPWO389242-OH
NC- NJD986607380
OH- UPWO389242-OH
OK- 3762
PA- AH 0420
RI- 702
SC- NJD986607380
TX- 41825
TN- NJD986607380
UT- NJD986607380
VT- NJD986607380
VA- NJD9866073801
WV- UPWO389242-OH
WI- 16148

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

LIRR – Dry Well Soil
103045

BFI Waste Systems
BROWNING-FERRIS INDUSTRIES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: CT Waste Oil, Inc.
b. Generating Location: Same
c. Address: 1250 Old Colony Road, Wallingford, CT 06492
d. Address:
e. Phone No.:
f. Phone No.:
If owner of the generating facility differs from the generator, provide:
i. County Service Code:

j.	Description of Waste	BFI Waste Code	Qty. (%/#)
1.	Oily debris/ink/latex	CT1167/98011/254763	100
2.			
3.			
4.			
5.			

Shipped In:
___ Rolloff
___ Fiber Drum
___ Truck
___ Other

Generator's certification; I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Truck Weight (Tons): 12.16

J. Peruti
Generator Authorized Agent Name | Signature | Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I completed e-g; Transporter II completed h-n)

TRANSPORTER I

a. Name: Maumee Express, Inc.
b. Address: P.O. Box 278, Somerville, NJ 08876
c. Driver Name/Title: (Print/Type)
d. Phone No.: 732-424-8441
e. Truck No.: 3005
f. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
g. Driver Signature | Shipment Date: 6/3/96

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: (Print Type)
k. Phone No.:
l. Truck No.:
m. Vehicle License No./State
Acknowledgement of Receipt of Materials.
n. Driver Signature | Shipment Date

Section III — DESTINATION (Generator completes a-d, destination site completes e-f)

a. Site Name: BFI Conestoga Landfill
b. Physical Address: Quarry Road, Morgantown, PA 19543
c. Name:
d. Mailing Address:
e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature | Receipt Date: 6/3/96

Section IV — ASBESTOS (Generator completes a-d, g, Operator* completes e)

a. Operator's Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

OPERATOR'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.

e. Operator's Name & Title: (Print Type) | Operator's* Signature | Date

f. Name and Address of Responsible Agency:

g. ☐ Friable: ☐ Non-friable: ☐ Both ___ % friable ___ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

BFI

No. 345244

CONESTOGA LANDFILL
NEW MORGAN LANDFILL CO., INC.
P.O. BOX 128
QUARRY ROAD
MORGANTOWN, PA 19543
TELEPHONE: 610/286-6844
FAX: 610/286-7048

WARNING

TRANSPORTING ANY UNAUTHORIZED HAZARDOUS WASTE TO THIS FACILITY FOR DISPOSAL IS PROHIBITED BY LAW. PERSONS VIOLATING THIS PROHIBITION ARE SUBJECT TO CIVIL AND CRIMINAL PROSECUTIONS.

SIGNATURE: _____

1167 NELF 116 (7/99)

Long Island Rail Road
Morris Park RCRA Closure

Nonhazardous Waste Manifests:
Drum Storage Area
Concrete and Asphalt Removal

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6582

GENERATOR NAME / ADDRESS: LIRR, 121st St., Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT GENERATOR (MILITARY TIME ONLY) : : ARRIVAL TIME DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: Liotta 8:30am Load #1

EQUIPMENT USED

BROKER:

PO. NO#: BR006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Concrete	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: for LIRR

GENERATOR'S SIGNATURE X _____ I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 11 / 30 / 99 (MO. DAY YR.)

TSDF NAME / ADDRESS: Liotta Yard, Daly Blvd

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT TSDF (MILITARY TIME ONLY) : : ARRIVAL TIME DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X _____

DATE UNLOADED / / (MO. DAY YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6583

GENERATOR NAME / ADDRESS: LIRR, 121 st St, Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: Tk Sarnelli 11:15 #2

EQUIPMENT USED

BROKER:

PO. NO#: 5R0006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORI
	1	Concrete	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE T BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition f transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter name The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the be of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay th agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: Richard Taylor

GENERATOR'S SIGNATURE X Richard N. Taylor — I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 11/30/99 (MO. DAY YR.)

TSDF NAME / ADDRESS: Liotta Yard, Daly Blvd.

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X

DATE UNLOADED / / (MO. DAY YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD986073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI Maumee Express, Inc — MANIFEST

P.O Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6584

GENERATOR NAME / ADDRESS	PHONE (AREA CODE)	GENERATOR EPA ID NO.:
L I R R 151 st St. Morris Park NY	TRACTOR TRAILER	APPOINTMENT TIME :

MXI REP. LOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT GENERATOR (MILITARY TIME ONLY)
				: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR	EQUIPMENT USED
Liotta 11:15 #3	

BROKER:

PO. NO#: BROCL681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORI
	1	Concrete	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency # (732)424 8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE	GENERATOR'S SIGNATURE	DATE LOADED
Richard Taylor	X Richard Taylor I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.	11/30/99 MO. DAY YR.

TSDF NAME / ADDRESS	PHONE (AREA CODE)	TSDF EPA ID NO.:
Liotta Yard Daly Blvd	TRACTOR TRAILER	APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT TSDF (MILITARY TIME ONLY)
				: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF	EQUIPMENT USED

PLEASE PRINT NAME / TITLE	TSDF SIGNATURE	DATE UNLOADED
	X	/ / MO. DAY YR.

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6585

GENERATOR NAME / ADDRESS: LIRR, 121st St., Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: Sarnelli 1:45 #4

EQUIPMENT USED

BROKER:

PO. NO#: BR006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FOR
	1	Concrete	N/A	N/A	N/A	1	CM		Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE T BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition f transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter name The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the be of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay th agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: Richard Taylor

GENERATOR'S SIGNATURE X Richard W. Taylor — I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 11/30/99 (MO. DAY YR.)

TSDF NAME / ADDRESS: Klotta Yard, Daly Blvd.

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X

DATE UNLOADED / / (MO. DAY YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6586

GENERATOR NAME / ADDRESS: LIRR 101 St. Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT GENERATOR (MILITARY TIME ONLY) ARRIVAL TIME DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: Liolla 1:45 #5

EQUIPMENT USED

BROKER:

PO. NO#: BR006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Concrete	N/A	N/A	N/A	1	CM		Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency # (732) 424 8411

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: Richard W. Taylor

GENERATOR'S SIGNATURE X Richard W. Taylor
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 11 / 30 / 95 (MO. DAY YR.)

TSDF NAME / ADDRESS: Liotta Yard, Daly Blvd

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT TSDF (MILITARY TIME ONLY) ARRIVAL TIME DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X

DATE UNLOADED / / (MO. DAY YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD986073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6587

GENERATOR NAME / ADDRESS: LIRR 121st St. Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT): E Hawkins

PROCEDURE

BOX SPOTTED: 2032

BOX REMOVED: 2032

TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

EQUIPMENT USED

COMMENTS OR DELAYS AT GENERATOR: MXI #1 #6

BROKER:

PO. NO#: BR006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Concrete	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: Richard Taylor

GENERATOR'S SIGNATURE X Richard V. Taylor — I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED: 11 / 30 / 99 (MO. DAY YR.)

TSDF NAME / ADDRESS: Liotta Yard, Daly Blvd.

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT)

PROCEDURE

BOX SPOTTED

BOX REMOVED

TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

EQUIPMENT USED

COMMENTS OR DELAYS AT TSDF

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X

DATE UNLOADED: 11 / 30 / 99 (MO. DAY YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD986073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6588

GENERATOR NAME / ADDRESS	PHONE	GENERATOR EPA ID NO.:
LIRR 121st St. Morris Park NY	(AREA CODE) TRACTOR TRAILER	APPOINTMENT TIME :

MXI REP. LOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT GENERATOR (MILITARY TIME ONLY)
				: :
				ARRIVAL TIME DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR	EQUIPMENT USED
Liotta 4:00pm #7	

BROKER:

PO. NO#: BR0066681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FOR
	1	Concrete	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE T BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition f transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter name The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the be of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay t agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE	GENERATOR'S SIGNATURE	DATE LOADED
Richard V. Taylor	X _____ I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.	11/30/99 MO. DAY YR.

TSDF NAME / ADDRESS	PHONE	TSDF EPA ID NO.:
Liotta Yard Daly Blvd.	(AREA CODE) TRACTOR TRAILER	APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT TSDF (MILITARY TIME ONLY)
				: :
				ARRIVAL TIME DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF	EQUIPMENT USED

PLEASE PRINT NAME / TITLE	TSDF SIGNATURE	DATE UNLOADED
	X _____	/ / MO. DAY YR.

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	MO- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

MXI

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.:
NJD986607380

6589

GENERATOR NAME / ADDRESS
L I RR
101 st St.
Morris Park, NY

PHONE
(AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT GENERATOR (MILITARY TIME ONLY)
: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR
Sarnelli - 7:30 #8

EQUIPMENT USED

BROKER:

PO. NO#: BR006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Concrete	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE
Richard V. Taylor

GENERATOR'S SIGNATURE
X Richard V. Taylor
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 12 / 30 / 99
MO. DAY YR.

TSDF NAME / ADDRESS
Lotta Yard
Daly Blvd

PHONE
(AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED

TIME AT TSDF (MILITARY TIME ONLY)
: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE
X

DATE UNLOADED
/ / MO. DAY YR.

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6590

GENERATOR NAME / ADDRESS: LIRR, 121 st St. Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT GENERATOR : ARRIVAL TIME | (MILITARY TIME ONLY) : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: Salinelli - 9:30am #9

EQUIPMENT USED

BROKER:

PO. NO#: BR006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Asphalt	N/A	N/A	N/A	1	CM	25	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: Richard V. Taylor

GENERATOR'S SIGNATURE X Richard V. Taylor
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 12 / 1 / 99 (MO. / DAY / YR.)

TSDF NAME / ADDRESS: Lietta Yard, Daly Blvd

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT TSDF : ARRIVAL TIME | (MILITARY TIME ONLY) : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X

DATE UNLOADED / / (MO. / DAY / YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.:
NJD986607380
6594

GENERATOR NAME / ADDRESS: LIRR, 121 St St., Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT): E. Gilmore

PROCEDURE

BOX SPOTTED

BOX REMOVED

TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: MXI - 1:10 pm #10

EQUIPMENT USED

BROKER:

PO. NO#: BR006681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Asphalt	N/A	N/A	N/A	1	CM	18	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED): 24 Hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: Andrew K. Edgar

GENERATOR'S SIGNATURE X Andrew K. Edgar
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 12 / 1 / 99 (MO. DAY YR.)

TSDF NAME / ADDRESS: Liotta Yard, Daly Blvd

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT)

PROCEDURE

BOX SPOTTED

BOX REMOVED

TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE: Yard Mgr

TSDF SIGNATURE X

DATE UNLOADED 12 / 1 / 99 (MO. DAY YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD986073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6592

GENERATOR NAME / ADDRESS: LIRR 121 2nd St. Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: Liotta – 10:30 am #11

EQUIPMENT USED

BROKER:

PO. NO#: BR00G681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Asphalt	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: Andrew K. Edgar

GENERATOR'S SIGNATURE X Andrew K. Edgar — I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 12 / 1 / 99 (MO. DAY YR.)

TSDF NAME / ADDRESS: LICTTA YARD Daly Blvd

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X

DATE UNLOADED / / (MO. DAY YR.)

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6593

GENERATOR NAME / ADDRESS: LIRR 121 2nd St. Morris Park, NY

PHONE (AREA CODE)

GENERATOR EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. LOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT GENERATOR (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR: Sunset: 11:15 am #12

EQUIPMENT USED

BROKER:

PO. NO#: BRW1681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Asphalt	N/A	N/A	N/A	1	CM	25	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hour Emergency # (732) 424 8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE: H. Frank Edgar

GENERATOR'S SIGNATURE X [signature] I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED 12 / 1 / 99 MO. DAY YR.

TSDF NAME / ADDRESS: Liotta Yard Daly Blvd

PHONE (AREA CODE)

TSDF EPA ID NO.:

TRACTOR TRAILER

APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT) | PROCEDURE | BOX SPOTTED | BOX REMOVED | TIME AT TSDF (MILITARY TIME ONLY) : ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF

EQUIPMENT USED

PLEASE PRINT NAME / TITLE

TSDF SIGNATURE X

DATE UNLOADED / / MO. DAY YR.

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
H-778	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
AZ- NJD986607380	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CA- 3184	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
CT- HW-613	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
DE- HW-409	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

MXI

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.:
NJD986607380

6591

GENERATOR NAME / ADDRESS	PHONE	GENERATOR EPA ID NO.:
LIRR 121st St. Morris Park, NY	(AREA CODE) TRACTOR TRAILER	APPOINTMENT TIME :

MXI REP. LOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT GENERATOR (MILITARY TIME ONLY)
E. Ward				: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT GENERATOR	EQUIPMENT USED
MXI - 10:00am #13	

BROKER:

PO. NO#: BR0066681

STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Asphalt	N/A	N/A	N/A	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 hr Emergency # (732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE	GENERATOR'S SIGNATURE	DATE LOADED
Richard Taylor	X Richard V. Taylor I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.	12 / 1 / 99 MO. DAY YR.

TSDF NAME / ADDRESS	PHONE	TSDF EPA ID NO.:
Liotta Yard Daly Blvd	(AREA CODE) TRACTOR TRAILER	APPOINTMENT TIME :

MXI REP. UNLOADING (PRINT)	PROCEDURE	BOX SPOTTED	BOX REMOVED	TIME AT TSDF (MILITARY TIME ONLY)
				: ARRIVAL TIME : DEPARTURE TIME

COMMENTS OR DELAYS AT TSDF	EQUIPMENT USED

PLEASE PRINT NAME / TITLE	TSDF SIGNATURE	DATE UNLOADED
	X	/ / MO. DAY YR.

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469 H-778	GA- NJD986607380	MA- NJD986607380	SW-18582	OK- 3762	UT- NJD986607380
AZ- NJD986607380	IL- 3401	MI- NJD986607380	NM- NJD986607380	PA- AH 0420	VT- NJD986607380
CA- 3184	IN- NJD986607380	MN- UPWO389242-OH	NY- JA-334	RI- 702	VA- NJD9866073801
CT- HW-613	KS- NJD986607380	MS- NJD986607380	NV- UPWO389242-OH	SC- NJD986607380	WV- UPWO389242-OH
DE- HW-409	KE- NJD986607380	M0- H-2083	NC- NJD986607380	TX- 41825	WI- 16148
	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator

Long Island Rail Road
Morris Park RCRA Closure

Nonhazardous Waste Manifests:
Drum Storage Area
Soil Removal

Manifest No.: 31104

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: Morris Park (No.) (Street) Queens (City) NY (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 0001010 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan 7, 2000 Signature: _____ (Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____ (if applicable)

COMPANY NAME: T.I. Axle

ADDRESS: Bristol PA.

Pick-up Date: 1-7-00 Truck No.: T-3 Vehicle Lic. No.: (PA) AD 05833

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

_____
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: _____

_____
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 35252

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) L.I. Railroad.

Pick-up Address: Morris Park (No.) (Street) Queens N.Y. (City) (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: NONE

PROFILE / WASTE STREAM I.D. NUMBER: MXI0001010PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan 7, 2000 Signature: [signature] / Brookside Env For MXI (Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: (if applicable)

COMPANY NAME: Tri Axle Assc

ADDRESS: Bristol, Pa.

Pick-up Date: 1-7-00 Truck No.: T1 Vehicle Lic. No.: AD05831

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Betty Watkins
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: [signature] 1/7/00

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 37105

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) LONG ISLAND R.R.

Pick-up Address: MORRIS PARK QUEENS NY
(No.) (Street) (City) (State)

Telephone Number: _____ Fax Number: _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: _____ Cubic Yards: 20 Other: (Specify) _____

Waste Type: PETROLEUM CONTAMINATED SOIL

Special Handling Instructions, if any: NONE

PROFILE / WASTE STREAM I.D. NUMBER: MKI000/010PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: JAN 7, 2000 Signature: [signature] / BROOKS-d Env. (Name and Title) For MKI

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____ (if applicable)

COMPANY NAME: TRIAKE

ADDRESS: BRISTOL PA

Pick-up Date: 1/7/99 Truck No.: T-5 Vehicle Lic. No.: PA AD-0[illegible]650

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature]
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1/7/00

[signature]
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 32632

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) LonIsland R-R

Pick-up Address: Morris Park, Quins NY
(No.) (Street) (City) (State)

Telephone Number: _____ Fax Number: _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: _____ Cubic Yards: 20 Other: (Specify) _____

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 0001010PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan 7, 2000 Signature: Brian Gardner / Brookside Env. For MVI
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____ (if applicable)

COMPANY NAME: TEV Trucking Co.

ADDRESS: 182 Calcutta ST Port Newark Nwk NJ

Pick-up Date: 01-07-2000 Truck No.: 5 Vehicle Lic. No.: AE213K

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

_____
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1/7/00

_____
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 32633

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island RR

Pick-up Address: Morris Park (No.) (Street) Queens (City) NY (State)

Telephone Number: _____ Fax Number: _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: _____ Cubic Yards: 20 Other: (Specify) _____

Waste Type: petroleon Contaminated soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MX1 000/0/0 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 01-07-00 Signature: _____ (Name and Title) Brooks For MX1

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____ (if applicable)

COMPANY NAME: TEU Trucking.

ADDRESS: 182 Calcutta st. Pat NRK NJ

Pick-up Date: 01-07-00 Truck No.: 99 Vehicle Lic. No.: NE 232d

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Feb 10

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1/7/00

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 32631

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: Morris Park (No.) (Street), Queens (City), N.Y. (State)

Telephone Number: _____ Fax Number: _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: _____ Cubic Yards: 20 Other: (Specify) _____

Waste Type: Petroleum Cont. Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MTI 000010 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/07/2000 Signature: [signature] (Name and Title) Brookside For MXI

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: N.J. 467 (if applicable)

COMPANY NAME: TEV Trucking Inc

ADDRESS: 18 Calcutta St. Port Mand NJ 07114

Pick-up Date: 1/07/2000 Truck No.: 50 Vehicle Lic. No.: A05SV NJ.

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature] (Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1/7/00

[signature] (Signature of authorized agent and title)

GENERATOR

Manifest No.: 33114

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: Morris Park, Queens NY
(No.) (Street) (City) (State)

Telephone Number: Fax Number:

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: Cubic Yards: 20 Other: (Specify)

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MX-0001010PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan 7, 2000 Signature: [signature]
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.:
(if applicable)

COMPANY NAME: Tri-Dale

ADDRESS: Bristol PA

Pick-up Date: 1-7-00 Truck No.: 1-3 Vehicle Lic. No.: (PA) AD 05833

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date:

1-7-00 [signature]
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 33713

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: Morris Park, Queens, NY
(No.) (Street) (City) (State)

Telephone Number: _____ Fax Number: _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: none

PROFILE / WASTE STREAM I.D. NUMBER: MXI000101OPH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1-7-00 Signature: X- Brian Hamilton / Brookside For MXI
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____ (if applicable)

COMPANY NAME: TRI-AXLE Trucking

ADDRESS: Bristol PA * 413 Bristol PA 19007

Pick-up Date: 1-7-00 Truck No.: T-6 Vehicle Lic. No.: AD16032 (PA)

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Greg B. Myers
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: _____

1-7-99
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 33/16

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: (No.) Morris Park (Street), Queens (City) NY (State)

Telephone Number: Fax Number:

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: Cubic Yards: 20 Other: (Specify)

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI0001010PA

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan 7, 2000 Signature: [signature] / Brooks for MXI (Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: (if applicable)

COMPANY NAME: Tri-Axle

ADDRESS: Bristol, PA

Pick-up Date: 1/7/00 Truck No.: T-5 Vehicle Lic. No.: PA. AP-09650

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature]
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date:

1-7-00 [signature]
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 33112

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: (No.) Morris Park (Street), Queens (City), NY (State)

Telephone Number: Fax Number:

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: Cubic Yards: 20 Other: (Specify)

Waste Type: [illegible]

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 000101 0PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. We certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan 7, 2000 Signature: [signature] (Name and Title) Brookside For MXI

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: (if applicable)

COMPANY NAME: TRI-AXLE

ADDRESS: BRISTOL PA

Pick-up Date: 1/7/00 Truck No.: T4 Vehicle Lic. No.: AB19588

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date:

1-7-00 [signature]

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 33715

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island R R

Pick-up Address: (No.) Morris Park (Street), Queens (City) NY (State)

Telephone Number: Fax Number:

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: Cubic Yards: 20 Other: (Specify)

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: none

PROFILE / WASTE STREAM I.D. NUMBER: MXI 0001010PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan 7, 2000 Signature: [signature] / Brook Sid. For MXI (Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: (if applicable)

COMPANY NAME: Tri-Dale

ADDRESS: Bristol, PA

Pick-up Date: Truck No.: Vehicle Lic. No.:

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date:

1-7-00

(Signature of authorized agent and title)

GENERATOR

[redacted]

Manifest No.: 32639

R3 technologies

R$_3$ Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island RR.

Pick-up Address: Morris Park Queens NY
(No.) (Street) (City) (State)

Telephone Number: Fax Number:

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: Cubic Yards: 20 Other: (Specify)

Waste Type: Petroleum Cont. Soil

Special Handling Instructions, if any: NONE

PROFILE / WASTE STREAM I.D. NUMBER: MX1 0001010PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1/7/2000 Signature: [signature] / Brooks, Ke For MX1
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: NJ. 2/67
(if applicable)

COMPANY NAME: TEJ Trucking Inc.

ADDRESS: 182 Calcutta St Port Newark NJ. 07114

Pick-up Date: 1/7/2000 Truck No.: 50 Vehicle Lic. No.: AD5154 NJ

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature]

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date:

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 33655

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) LONG ISLAND RAILROAD

Pick-up Address: MORRIS PARK (No.) QUEENS (Street) New York (City) New York (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 22 Other: (Specify) —

Waste Type: CONTAMINATED PET. SOIL

Special Handling Instructions, if any: NONE

PROFILE / WASTE STREAM I.D. NUMBER: MXI 000100PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1-7-00 Signature: X [signature] (Name and Title) BROOKS, ID ENV. FOR MXI

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____ (if applicable)

COMPANY NAME: TRI AXLE TRUCKING

ADDRESS: 413 BRISTOL PA 19007

Pick-up Date: 1-7-00 Truck No.: T-6 Vehicle Lic. No.: AD16L32 (PA)

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature]

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1/7/00

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 37100

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: Morris Park, Queens NY.
(No.) (Street) (City) (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 0001010 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Signature:
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.:
(if applicable)

COMPANY NAME: [illegible] Trucking

ADDRESS: [illegible] 19067

Pick-up Date: 1-5-00 Truck No.: T-6 Vehicle Lic. No.: [illegible]

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature]
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: [signature] 1-06-00

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 37103

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: (No.) Morris Park (Street), Queens (City) NY (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated.

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 0001010 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1-5-00 Signature: [signature] as agent for [illegible] (Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: (if applicable)

COMPANY NAME: Tri Axle

ADDRESS: Bristol PA.

Pick-up Date: 1-5-99 Truck No.: T-3 Vehicle Lic. No.: (PA) AD-05833

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature]

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: [signature] 1-06-00

(Signature of authorized agent and title)

GENERATOR

[redacted]

Manifest No.: 33576

R3 technologies

R_3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste:

Company Name: (Print or Type) I T P P

Pick-up Address: Morris Park / T RR. NJ
(No.) (Street) (City) (State)

Telephone Number: Fax Number:

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: Cubic Yards: 20 Other: (Specify)

Waste Type: Petroleum Contam. Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 000101 PA

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1-5-00 Signature: [signature] as agent for [illegible] Env.
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.:
(if applicable)

COMPANY NAME: Tri Axle Ace

ADDRESS: Bristol Pa

Pick-up Date: 1-5-00 Truck No.: T1 Vehicle Lic. No.: AD05831 PA

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature: Betty Watkins]
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: [signature]

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 37102

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) Long Island R.R

Pick-up Address: Morris Park, Queen N.Y.
(No.) (Street) (City) (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 000101O PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: Jan. 5, 2000 Signature: _____
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____
(if applicable)

COMPANY NAME: Tri Axle

ADDRESS: Bristol P.A.

Pick-up Date: 1-5-00 Truck No.: T-5 Vehicle Lic. No.: AD-89560

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Lyam Napier
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1-06-00

(Signature of authorized agent and title)

GENERATOR

Manifest No.: 33653

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) LONG ISLAND RAIL ROAD

Pick-up Address: Morris Park, (No.) (Street) Queens (City) NY (State)

Telephone Number: _____ Fax Number: _____

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: _____ Cubic Yards: 22 Other: (Specify) _____

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

TARP Level

PROFILE / WASTE STREAM I.D. NUMBER: • MXI 0001010 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1-5-00 Signature: [signature] as agent for Brookville Env.
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____ (if applicable)

COMPANY NAME: Tri Axle Professional Hauling

ADDRESS: 413 Bristol PA 19007

Pick-up Date: 1-5-00 Truck No.: T-6 Vehicle Lic. No.: AD16022 (PA)

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

[signature]
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1/5/00

[signature]
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 37099

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) Long Island R.R

Pick-up Address: Morris Park, Queens N.Y.
(No.) (Street) (City) (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXI 0001010 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1-5-00 Signature: [signature] as agent for Brookside Env.
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____
(if applicable)

COMPANY NAME: Tri Axle

ADDRESS: Bristol PA

Pick-up Date: 1-5-99 Truck No.: T-5 Vehicle Lic. No.: AD-09560

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Ryan Napier
(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: [signature] 1/5/00
(Signature of authorized agent and title)

GENERATOR

Manifest No.: 37101

R3 technologies

R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

NON-HAZARDOUS WASTE MANIFEST

1. EPA I.D. No., Generator of Waste: _____

Company Name: (Print or Type) Long Island R.R.

Pick-up Address: Morris Park, Queens N.Y.
(No.) (Street) (City) (State)

Telephone Number: — Fax Number: —

Waste Stream Identification: This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.

Tons: — Cubic Yards: 20 Other: (Specify) —

Waste Type: Petroleum Contaminated Soil

Special Handling Instructions, if any: None

PROFILE / WASTE STREAM I.D. NUMBER: MXT 0001010 PH

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: 1-5-00 Signature: Andrew Edyn / as agent for Gen. Tech. Env.
(Name and Title)

2. Hauler of Waste (must be filled in by hauler) EPA I.D. No.: _____
(if applicable)

COMPANY NAME: Tri Axle

ADDRESS: Bristol PA

Pick-up Date: 1-5-99 Truck No.: T-3 Vehicle Lic. No.: PA AD-05833

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

(Signature of authorized agent and title)

3. Processing Facility: **R3 Technologies, Inc.**
7 Steel Road East
Morrisville, PA 19067-0847
Permit #301254

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 1/5/00

(Signature of authorized agent and title)

GENERATOR

Long Island Rail Road
Morris Park RCRA Closure

Hazardous Waste Manifests:
Drum Storage Area
Soil Removal Around Unknown UST

DEQ

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

required under authority of Part
Part 121 of Act 451, 1994, as amend

Failure to file may subject you to
criminal and/or civil penalties unde
Sections 324.11151 or 324.12116 M

BR006681

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYD986993830 Manifest Document No. 000001

2. Page 1 of 1

Information in the shaded ar is not required by Fed law.

3. Generator's Name and Mailing Address Long Island Railroad
Dept 3147-93-59 183rd St., Hollis, NY 11423

A. State Manifest Document Number MI 7001771

B. State Generator's ID MORRIS PR
Facility: Morris PK N

4. Generator's Phone (718) 558-3252

5. Transporter 1 Company Name Maumee Express, Inc

6. US EPA ID Number INSD986607380

C. State Transporter's ID JA 334

D. Transporter's Phone 732-424-8

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 Michigan Disposal Waste Treatment Plant
49350 N-I-94 Service Dr.
Belleville, MI 48111

10. US EPA ID Number MID000724831

G. State Facility's ID

H. Facility's Phone 800-592-5489

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS Waste Solid NOS 9, NA 3077, PG III (D008)	X	01	CM	15	Y	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

App# 011500MR

K. Handling

15. Special Handling Instructions and Additional Information

24 HR Emergency # (732) 424-8441

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 classif packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulati

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 determi to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my w generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Date Month Day
Joe Angelone		07 20

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day
Edward Hawk, MS Glenn W Frank		07 20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day

TRANSPORTER

19. Discrepancy Indication Space

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	Date Month Day
Rafael Salas Sr.	Rafael Salas Sr	07 20

FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9-94)

EOP Rev.

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 a
Part 121 of Act 451, 1994, as amended

Failure to file may subject you to
criminal and/or civil penalties under
Sections 324.11151 or 324.12116 MCL.

2024

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYD986993830 Manifest Document No. 00002
2. Page 1 of 1
Information in the shaded area is not required by Federa law.

3. Generator's Name and Mailing Address
Long Island Railroad.
Dept 3147, 93-59 183rd St. Hollis, NY 11423

4. Generator's Phone (718) 558-3252

A. State Manifest Document Number MI 7001772

B. State Generator's ID MORRIS PK
Facility, Morris PK, NY

5. Transporter 1 Company Name
Maumee Express, Inc

6. US EPA ID Number
NJD986607380

C. State Transporter's ID 50059

D. Transporter's Phone (732) 424-84

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
Michigan Disposal Waste
49350 N-I 94 Service Dr.
Belleville, MI 48111

10. US EPA ID Number
MID000724831

G. State Facility's ID

H. Facility's Phone 800 592 5489

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Solid, NOS 9 NA3077 PG III (D008)	X	01	CM	20	Y	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
011500 MR
App # [redacted]
JA334

K. Handling Co

15. Special Handling Instructions and Additional Information
24 Hr Emergency # (732) 424-8441

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 classifie packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulation

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 determin to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes t present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my was generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date Month Day Ye
Joe Angelone		01 11 14 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name: Edward Hawkins Jr	Signature: Edward Hawkins	Date Month Day Ye 01 11 24
18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date Month Day Ye

FACILITY

19. Discrepancy Indication Space

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	Date Month Day Ye
Duane Jones		01 12 24

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

GENERATOR

EPA Form 8700-22 (Rev. 9/88) To be mailed by TSD Facility to: WASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY PO BOX 30038 EQP 5 Rev. 1

Long Island Rail Road
Morris Park RCRA Closure

Hazardous Waste Manifest:
Paint Stripping Area
Concrete Scarification Waste

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

NYG 2427543

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

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NYD980641625	Manifest Doc. No. 60500	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law. BR006681

3. Generator's Name and Mailing Address: Long Island Rail Road, 93-59 183rd St. Dept 3147, Hollis, NY 11423

4. Generator's Telephone Number ( )

A. NYG 2427543

B. Generator's ID: Morris Park Yard

5. Transporter 1 (Company Name): Maumee Express Inc

6. US EPA ID Number: NJD986607380

C. State Transporter's ID: NJ ...334

D. Transporter's Telephone ( ) 732 424-84..

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address: CWM Chemical Services LLC, 1550 Balmer Road, Model City, NY 14107

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone ( ) (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Hazardous Waste Solid NOS 9, NA 3077, PG-III (F002, F005)	X 4	DM	14400	P	EPA F002 / STATE F005
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above

a. Contains 10% ... all ... 0.45 ...B

b.

c.

d.

K. Handling Codes for Wastes Listed Above

a. c. b. d.

15. Special Handling Instructions and Additional Information

Profile # CP2886 Spill Report # 552667 [illegible]

24 Hour Emergency Telephone # (732) 414-2941

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 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 quantity 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

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [illegible] | Signature [signature] | Mo. | Day | Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Mo. | Day | Year

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name [illegible] | Signature [signature] | Mo. | Day | Year

COPY 5—Generator—Mailed by TSD Facility

Long Island Rail Road
Morris Park RCRA Closure

Hazardous Waste Manifest:
Paint Stripping Area
Liquids from Pressure Washing of
Concrete Floor in Paint Stripping Bays and
Decontamination of UST

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

BR006681

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NYD981993830 — Manifest Document No.: 00001
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: Long Island Railroad, Jamaica Station, Jamaica Station NY 11436
4. Generator's Phone (718) 558-3472

A. State Manifest Document Number: **NJA 2928058**
B. State Generator's ID-(Gen. Site Address): Morris Park

5. Transporter 1 Company Name: Maurice Exped Inc. — 6. US EPA ID Number: NJD981607380
C. State Trans. ID-NJDEP: S50059
Decal No.-
D. Transporter's Phone (732) 424-8441

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Trans. ID-NJDEP
Decal No.-
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: E.I. duPont de Nemours & Co. Inc., Chambers Works – Route 130, Deepwater NJ 08023 — 10. US EPA ID Number: NJD002385730
G. State Facility's ID
H. Facility's Phone (856) 540-2773

HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. X	Hazardous Waste Liquid NOS (F002) 9, NA3082	001	TT	1045	G	F002
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. L,T Water 79%, Soil 21%
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T01
b.
c.
d.

15. Special Handling Instructions and Additional Information
OW 10366 Release #1 PLATE # AE2040 (AE112J)
24 Hour Emergency Tel # (732) 424-8441

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 quantity 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: Lew Wunderlich — Signature: Lew Wunderlich — Month Day Year: 10 20 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Edward Hawk, Jr. — Signature: Edward Hawk — Month Day Year: 10 20 00

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

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: John Hope — Signature — Month Day Year: 10 23 00

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

2—TSD MAIL TO GENERATOR

Long Island Rail Road
Morris Park RCRA Closure

Nonhazardous Waste Manifest:
Paint Stripping Area
Storm Water from UST

MXI Maumee Express, Inc

MANIFEST

P.O. Box 278
Somerville, NJ 08876
Phone: (732) 424-8441
Fax: (732) 424-8446

17600 Jeb Stuart Hgwy
Abingdon, VA 24211
Phone: (540) 628-1156
Fax: (540) 628-4435

14750 Boyle Ave.
Fontana, CA 92337
Phone: (909) 350-9090
Fax: (909) 350-9287

MXI EPA ID NO.: NJD986607380

6941

GENERATOR NAME / ADDRESS	PHONE	GENERATOR EPA ID NO.:
LIRR Morris PK. site Morris Park, NY	(AREA CODE)	
	TRACTOR: 3004 TRAILER: V-5012	APPOINTMENT TIME:
MXI REP. LOADING (PRINT): Glenn	PROCEDURE	BOX SPOTTED / BOX REMOVED
		TIME AT GENERATOR (MILITARY TIME ONLY): 11:00 ARRIVAL TIME / 14:15 DEPARTURE TIME
COMMENTS OR DELAYS AT GENERATOR		EQUIPMENT USED: Vac
BROKER:		
PO. NO#:		STATE MANIFEST NO.:

(X) HM		PROPER U.S. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE	FORM
	1	Waste Petroleum Mixture Liquid	N/A	N/A	N/A	1	TT	2750	G		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E. IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED). 24 Hr Emergency #(732) 424-8441

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor/broker for waste removal does not constitute payment to the carrier and if the contractor/broker does not pay the carrier, the generator is obligated to pay the agreed rate offered to the contractor/broker.

PLEASE PRINT NAME / TITLE	GENERATOR'S SIGNATURE	DATE LOADED
Joe Aviolino for LIRR	X [signature] I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.	2/29/00 MO. DAY YR.

TSDF NAME / ADDRESS	PHONE	TSDF EPA ID NO.:
Clean Water of NY Richmond Terr Staten Island, NY	718 981-4600 (AREA CODE)	
	TRACTOR / TRAILER	APPOINTMENT TIME:
MXI REP. UNLOADING (PRINT): Glenn	PROCEDURE	BOX SPOTTED / BOX REMOVED
		TIME AT TSDF (MILITARY TIME ONLY): 15:15 ARRIVAL TIME / 15:45 DEPARTURE TIME
COMMENTS OR DELAYS AT TSDF		EQUIPMENT USED
PLEASE PRINT NAME / TITLE	TSDF SIGNATURE: X [signature]	DATE UNLOADED: 2/29/00 MO. DAY YR.

AL- NJD986607380	FL- NJD986607380	MD- HWH 539	NJ- 50059 SW-18582	OH- UPWO389242-OH	TN- NJD986607380
AR- PC-1469 H-778	GA- NJD986607380	MA- NJD986607380	NM- NJD986607380	OK- 3762	UT- NJD986607380
AZ- NJD986607380	IL- 3401	MI- NJD986607380	NY- JA-334	PA- AH 0420	VT- NJD986607380
CA- 3184	IN- NJD986607380	MN- UPWO389242-OH	NV- UPWO389242-OH	RI- 702	VA- NJD9866073801
CT- HW-613	KS- NJD986607380	MS- NJD986607380	NC- NJD986607380	SC- NJD986607380	WV- UPWO389242-OH
DE- HW-109	KE- NJD986607380	M0- H-2083		TX- 41825	WI- 16148
	LA- NJD986607380	NH- TNH-0211			

White: MXI original Canary: Retained by TSDF Pink: Retained by Generator